

gi|9625875|ref|NC_001348.1| Human herpesvirus 3, complete genome

191 220 173 562 CDS product membrane protein UL56	191-220 6:03:01	CCGCCCACCTGGGACCCCGCGGTCACCC
254 288 173 562 CDS product membrane protein UL56	254-288 7:04:01	CCCCATCCCCTACCTACCCACATACGCCGAGGCC
515 546 173 562 CDS product membrane protein UL56	515-546 5:02:01	CCATTGTTGCCGTTTTCCCGAGGAACCTCCC
872 907 589 915 CDS product membrane protein V1	872-907 6:03:01	CCCGAACACCTTCCGGTACCCATACTCCGATACCC
1708 1736 1185 1850 CDS product myristylated tegument protein CIRC	1708-1736 5:02:01	CCGACCCACTCTCCCAACCCTAACAGCCC
1974 1991 1908 2447 CDS product nuclear protein UL55	1974-1991 4:01:01	CCGGTCCAACACTCCGCC
3526 3548 2783 4141 CDS product multifunctional expression regulator	3526-3548 4:01:01	GGTCACGCTGGCTCCCGCGGTGG
5118 5138 4252 5274 CDS product envelope glycoprotein K	5118-5138 5:02:01	CCCCATACAACCGGTCCACC
5472 5492 5326 8577 CDS product helicase-primase primase subunit	5472-5492 4:01:01	CCGGGGAGCCGTTCTTCCTCC
5947 5960 5326 8577 CDS product helicase-primase primase subunit	5947-5960 4:01:01	CCAACCGCCGTCCC
7125 7150 5326 8577 CDS product helicase-primase primase subunit	7125-7150 5:02:01	GGGTGGATTTGAGGGAATAGTGGAGG
8692 8720 8607 9386 CDS product tegument protein UL51	8692-8720 7:04:01	CCCCCAAGGAGCCGCCCTGCTCCGCCTCC
8989 9002 8607 9386 CDS product tegument protein UL51	8989-9002 4:01:01	GGTTGGCGCGGTGG
12579 12598 12160 13392 CDS product transactivating tegument protein VP16	12579-12598 4:01:01	CCTAGTCCACCAAAGCAACC
13320 13367 12160 13392 CDS product transactivating tegument protein VP16	13320-13367 10:07:02	CCTCCGTCCCCATCCGAGATCCTGCCGGGGACCCACCACGCCACCC

14341	14366	13590	16049	CDS product tegument protein VP13/14	14341-14366 4:01:01
GGTTATGGAGCCTGCGGTATCAAAGG					
14812	14833	13590	16049	CDS product tegument protein VP13/14	14812-14833 4:01:01 GGGCCAAGGAACGGCCATTTGG
15095	15121	13590	16049	CDS product tegument protein VP13/14	15095-15121 4:01:01
GGTTTTTTTGGGGCGTTGGCATATTGG					
15944	15967	13590	16049	CDS product tegument protein VP13/14	15944-15967 5:02:01 CCCATTCCCTCCGTGGACCTAGCC
16396	16423	16214	18199	CDS product tegument protein VP11/12	16396-16423 6:03:01
GGCGAGGCTTTGGAGACGGCGTAAAGG					
16621	16639	16214	18199	CDS product tegument protein VP11/12	16621-16639 4:01:01 GGGGATGGACTTTGGTGGG
16751	16784	16214	18199	CDS product tegument protein VP11/12	16751-16784 5:02:01
CCGTAGTTGCCAATAAACCAATATCCAGACATCC					
16882	16907	16214	18199	CDS product tegument protein VP11/12	16882-16907 4:01:01
CCAGATGATCCTACAAACCCCAGCCC					
16938	16999	16214	18199	CDS product tegument protein VP11/12	16938-16999 9:06:02
GGCTTACACGGCTACTGGCTACGGGTGGATGTTATGGTTCTTGGACGTTGTGGACGCCAGGG					
17091	17117	16214	18199	CDS product tegument protein VP11/12	17091-17117 4:01:01
GGGTCCTGCGGTCTCAGCGGGCACAGG					
17186	17219	16214	18199	CDS product tegument protein VP11/12	17186-17219 6:03:01
GGCGAAAGGAAGAGTGGCGGGATGGTTTAAATGG					
17318	17330	16214	18199	CDS product tegument protein VP11/12	17318-17330 4:01:01 GGGGGATGGGGG
17635	17656	16214	18199	CDS product tegument protein VP11/12	17635-17656 4:01:01 GGGACAGGTATAGGAATTTGG
17835	17855	16214	18199	CDS product tegument protein VP11/12	17835-17855 4:01:01 GGACATAGGCCATACGGACGG
19051	19070	18441	19346	CDS product thymidylate synthase	19051-19070 4:01:01 GGGGGATATGGGCCTTGGGG

19218	19238	18441	19346	CDS product thymidylate synthase	19218-19238 4:01:01	CCCCAAAACCTTTTCCTTGCC
19310	19322	18441	19346	CDS product thymidylate synthase	19310-19322 4:01:01	CCACACCCCCCCC
19903	19919	19431	21113	CDS product envelope glycoprotein C	19903-19919 5:02:01	GGATGGCTGGGGGTGGG
20016	20043	19431	21113	CDS product envelope glycoprotein C	20016-20043 5:02:01	CCGATGTTACCAAACCTTGAAGTCCACC
20680	21015	19431	21113	CDS product envelope glycoprotein C	20680-21015 56:53:14	
GGGTGTTGGCTGCGGGATCGGGCTTTCGGGAAGCGGCCGAGGTGGGCGCGACGGCGGGATCGGGCTTTCGGGTAGCGGCCGAGGTGGGCGCGACGGCGGGATCGGGCTTTCGGGAAGCGGCCGAGGTG						
GGCGCGACGGCGGGATCGGGCTTTCGGGTAGCGGCCGAGGTGGGCGCGACGGCGGGATCGGGCTTTCGGGAAGCGGCCGAGGTGGGCGCGACGGCGGGATCGGGCTTTCGGGAAGCGGCCGAGGTGGGCGCG						
ACGGCGGGATCGGGCTTTCGGGAAGCGGCCGAGGTGGGCGCGACGGCGGGATCGGGCTTTCGGGTAGCGGCCGAGG						
21954	21971	21258	22478	CDS product envelope protein UL43	21954-21971 4:01:01	CCTCCCAACCCAGTTCCC
22667	22682	22568	23794	CDS product DNA polymerase processivity subunit	22667-22682 4:01:01	CCGATTCCTCCTGCC
23497	23512	22568	23794	CDS product DNA polymerase processivity subunit	23497-23512 4:01:01	CCGTCCCTCCGTTGCC
25242	25265	24149	25516	CDS product tegument host shutoff protein	25242-25265 5:02:01	
CCTTCTGCCACCCTCATCCTCCCC						
26063	26083	25573	26493	CDS product ribonucleotide reductase subunit 2	26063-26083 4:01:01	
CCCGTACCTTTTCTTCCAACC						
27390	27407	26518	28845	CDS product ribonucleotide reductase subunit 1	27390-27407 4:01:01	
CCCAGCCGCCAGGACCCC						
28617	28647	26518	28845	CDS product ribonucleotide reductase subunit 1	28617-28647 5:02:01	
GGAAACGGATCGTAGGTTAATACGGCAATGG						
28744	28763	26518	28845	CDS product ribonucleotide reductase subunit 1	28744-28763 4:01:01	
GGTGTGGTTGATTCTGGGCGG						
29054	29078	29024	30475	CDS product capsid triplex subunit 1	29054-29078 5:02:01	
CCCCCCCACACAACCCCTCTAACC						

29099	29113	29024	30475	CDS product capsid triplex subunit 1
29631	29651	29024	30475	CDS product capsid triplex subunit 1
29757	29782	29024	30475	CDS product capsid triplex subunit 1
CCGAAAACCTTATGAGCCGCGTTTCC				
29905	29935	29024	30475	CDS product capsid triplex subunit 1
CCCCCACCTTCTCCAACGGTCCAAGGAGCC				
31826	31847	30759	33875	CDS product tegument protein UL37
32732	32754	30759	33875	CDS product tegument protein UL37
32826	32874	30759	33875	CDS product tegument protein UL37
CCGTTGACCTGCTTCCCCAGCACGTCCGTCCTTTGGTTCCTGACCGTCC				
34145	34167	34083	42374	CDS product large tegument protein
34592	34613	34083	42374	CDS product large tegument protein
35602	35622	34083	42374	CDS product large tegument protein
36170	36192	34083	42374	CDS product large tegument protein
37006	37031	34083	42374	CDS product large tegument protein
38044	38062	34083	42374	CDS product large tegument protein
38882	38911	34083	42374	CDS product large tegument protein
GGTACGTTGGACATTCAGGCGGTTGACTGG				
39106	39128	34083	42374	CDS product large tegument protein
39160	39185	34083	42374	CDS product large tegument protein
39610	39626	34083	42374	CDS product large tegument protein
40488	40498	34083	42374	CDS product large tegument protein
41218	41239	34083	42374	CDS product large tegument protein

29099-29113 4:01:01 CCTCCGAACCGTTCC
29631-29651 4:01:01 GGGGACCTTTGGCCACGGCGG
29757-29782 4:01:01

29905-29935 6:03:01

31826-31847 4:01:01 GGCATTTGGGAAAAGGTCAGG
32732-32754 4:01:01 CCTTTTACCGGTACACACCCCCC
32826-32874 8:05:02

34145-34167 4:01:01 GGTGCCCTGGGACCGGCGTCAGG
34592-34613 4:01:01 GGCCATGGGACTATAGGACAGG
35602-35622 4:01:01 GGGATTTGTGGTGAAAAATGG
36170-36192 4:01:01 CCAGAAGTTCCCCAGGAACCCCC
37006-37031 4:01:01 GGTAACCGGTTTTGTGGGACTTAGGG
38044-38062 4:01:01 CCACAATCCATATAACCCCC
38882-38911 5:02:01

39106-39128 5:02:01 GGGGGATATGTTGGCATCGGGGG
39160-39185 4:01:01 GGCACTCCAGGCATCGGCGTCTGTGG
39610-39626 4:01:01 GGGGGAGGCGTCTGTGG
40488-40498 4:01:01 CCCCCCCCCC
41218-41239 4:01:01 GGATTATGTGGTCTTTTGGGGG

41342	41360	34083	42374	CDS product large tegument protein	41342-41360 4:01:01	CCCCAAGGCCCCCAAACC
41444	41526	34083	42374	CDS product large tegument protein	41444-41526 12:09:03	
CCCGTCCGGCCCGCGCAGCCCGCGCAGCCCGCGCAGCCCGCGCAGACCGTCCAGCCCGCGCAGCCCATAGAACC						
41940	41960	34083	42374	CDS product large tegument protein	41940-41960 4:01:01	CCGATGCCCCCAAACGGACC
42501	42527	42431	43138	CDS product small capsid protein	42501-42527 6:03:01	GGGGGTATTTGGGTTGGGGCGGGG
42546	42577	42431	43138	CDS product small capsid protein	42546-42577 6:03:01	
GGGCCGCGGGCGGTGATCCGGTTGTTGGCTGG						
42671	42689	42431	43138	CDS product small capsid protein	42671-42689 4:01:01	GGTGGGGGTGTTGCGGGG
42793	42813	42431	43138	CDS product small capsid protein	42793-42813 5:02:01	GGATGGATTTGGGGTTGTGG
42943	42965	42431	43138	CDS product small capsid protein	42943-42965 4:01:01	GGCACTGGCCGCGGCTCCACGG
42999	43025	42431	43138	CDS product small capsid protein	42999-43025 4:01:01	GGTGACCAGGTTGCAAAGGTCCACTGG
43579	43592	43212	44021	CDS product nuclear egress membrane protein	43579-43592 4:01:01	GGAGAGGTCGCGG
43876	43894	43212	44021	CDS product nuclear egress membrane protein	43876-43894 4:01:01	GGGCGGGGGGCGTTGTGG
44729	44751	44506	46263	CDS product DNA packaging protein UL32	44729-44751 5:02:01	GGCCTCTCGGCGGTAGGTGTGG
45263	45280	44506	46263	CDS product DNA packaging protein UL32	45263-45280 4:01:01	GGACGGACTGACTGGAGG
46152	46175	44506	46263	CDS product DNA packaging protein UL32	46152-46175 5:02:01	CCACGCAAACCAACCGCCAATGCC
46310	46335	46190	47128	CDS product nuclear egress lamina protein	46310-46335 5:02:01	
CCAGAACGCCATGCCGCGTCAAACC						
47612	47623	47052	50636	CDS product DNA polymerase catalytic subunit	47612-47623 4:01:01	GGCGGATGGTGG
47709	47725	47052	50636	CDS product DNA polymerase catalytic subunit	47709-47725 4:01:01	
CCAAACCCGGCCATCCC						
48482	48499	47052	50636	CDS product DNA polymerase catalytic subunit	48482-48499 4:01:01	
GGTGGCATAATCGGATGG						

51041	51055	50857	54471	CDS product single-stranded DNA-binding protein	51041-51055 4:01:01	GGCGGTGGTTTCTGG
51971	51993	50857	54471	CDS product single-stranded DNA-binding protein	51971-51993 4:01:01	
GGCCGGGGTCATTGGTGCGATGG						
52028	52043	50857	54471	CDS product single-stranded DNA-binding protein	52028-52043 4:01:01	GGTGGAGGATAGCGGG
52058	52072	50857	54471	CDS product single-stranded DNA-binding protein	52058-52072 4:01:01	GGATGGGGGACCGGG
53061	53080	50857	54471	CDS product single-stranded DNA-binding protein	53061-53080 4:01:01	
CCTGTATCCGCCCCAAATCC						
53213	53236	50857	54471	CDS product single-stranded DNA-binding protein	53213-53236 4:01:01	
GGCAGCCCGGGAAGGCTTGTAGG						
53611	53636	50857	54471	CDS product single-stranded DNA-binding protein	53611-53636 4:01:01	
CCAGGCGCCCGCGTGACCCATCATCC						
53855	53884	50857	54471	CDS product single-stranded DNA-binding protein	53855-53884 6:03:01	
GGCAGGGAATTGGAGCGGTTTAAACGGGGG						
53998	54012	50857	54471	CDS product single-stranded DNA-binding protein	53998-54012 4:01:01	CCACCCTATCCGACC
56456	56470	54651	56963	CDS product DNA packaging terminase subunit 2	56456-56470 4:01:01	CCCCCTAACACCGCC
56925	56951	54651	56963	CDS product DNA packaging terminase subunit 2	56925-56951 5:02:01	
GGCTGGCTCCGATTCAACGGACCCGG						
57885	57900	56819	59614	CDS product envelope glycoprotein B	57885-57900 4:01:01	GGTTGGTTGGAAGTGG
58149	58164	56819	59614	CDS product envelope glycoprotein B	58149-58164 4:01:01	CCAGACCTACCTTGCC
58678	58706	56819	59614	CDS product envelope glycoprotein B	58678-58706 6:03:01	
GGGTCCGGGACGGTGGAGGGCCAGCTTGG						
59073	59126	56819	59614	CDS product envelope glycoprotein B	59073-59126 8:05:02	
GGGACTTGGGACCGCGGGCCAGGCCGTTGGACATGTGGTTCTTGGGGCCACGGG						

59179	59224	56819	59614	CDS product envelope glycoprotein B	59179-59224	8:05:02
GGGGCATTGGCCGTGGGATTATTGGTTTTGGCGGGACTGGTAGCGG						
59984	60008	59766	60197	CDS product protein V32	59984-60008	4:01:01 CCTTTTCGCCTTAACCGCGACAGCC
60944	60961	60321	61229	CDS product capsid scaffold protein	60944-60961	4:01:01 GGGTGGTGGATATCCCGG
60957	60989	60321	61229	CDS product capsid scaffold protein	60957-60989	5:02:01
CCCGGAAACCGTACGGTCCCCGAAGTGTCCC						
61017	61039	60321	61229	CDS product capsid scaffold protein	61017-61039	6:03:01 GGTGGAAGGCAGGCGGGTGTGG
61328	61350	60321	62138	CDS product capsid maturation protease	61328-61350	4:01:01 GGGCCCCCGGGGTGGAATGTGG
62359	62375	62171	63910	CDS product DNA packaging tegument protein UL25	62359-62375	4:01:01
GGCGGCTATGGGTAGGG						
62939	62953	62171	63910	CDS product DNA packaging tegument protein UL25	62939-62953	4:01:01 GGTGCAGGCGGTAGG
63419	63442	62171	63910	CDS product DNA packaging tegument protein UL25	63419-63442	4:01:01
CCCCTTGCCCTTCCCAAGTACACC						
63597	63625	62171	63910	CDS product DNA packaging tegument protein UL25	63597-63625	5:02:01
CCGTCTCAGGAATCCAAAACCTTGCC						
64856	64876	64807	65832	CDS product thymidine kinase	64856-64876	4:01:01 GGACGGGCGTATGGAATTGG
65188	65207	64807	65832	CDS product thymidine kinase	65188-65207	4:01:01 CCGACCGACACCCAATCGCC
65289	65309	64807	65832	CDS product thymidine kinase	65289-65309	4:01:01 CCCGCTGAACCCCCGGGACC
66528	66541	66074	68599	CDS product envelope glycoprotein H	66528-66541	4:01:01 CCCACCAAACCCCC
66958	66980	66074	68599	CDS product envelope glycoprotein H	66958-66980	5:02:01 CCACCGGTCCGGATCCGGGGCC
67098	67119	66074	68599	CDS product envelope glycoprotein H	67098-67119	4:01:01 GGCCACACGGAGGCTCTGCGG
68354	68375	66074	68599	CDS product envelope glycoprotein H	68354-68375	4:01:01 CCACAATTCCACCCTTCAATCC
68500	68544	66074	68599	CDS product envelope glycoprotein H	68500-68544	8:05:02

GGAGGGGCGTTTCTGGCGGTAGTGGGGTTTGGTATTATCGGATGG

69030	69047	68668	70293	CDS product tegument protein UL21
69068	69094	68668	70293	CDS product tegument protein UL21
69317	69336	68668	70293	CDS product tegument protein UL21
69831	69854	68668	70293	CDS product tegument protein UL21
69890	69900	68668	70293	CDS product tegument protein UL21
69992	70008	68668	70293	CDS product tegument protein UL21
71273	71292	70687	71355	CDS product envelope protein UL20
72382	72406	71540	75730	CDS product major capsid protein
72613	72639	71540	75730	CDS product major capsid protein
73062	73087	71540	75730	CDS product major capsid protein
73098	73120	71540	75730	CDS product major capsid protein
73257	73296	71540	75730	CDS product major capsid protein

CCTTCCCGGACCGCAGCGTCCCCCGGAAGCCATGCCAACC

73832	73851	71540	75730	CDS product major capsid protein
73984	74005	71540	75730	CDS product major capsid protein
74156	74186	71540	75730	CDS product major capsid protein

CCCCAACTACCCAGAAGATCCAAGACACCC

74534	74554	71540	75730	CDS product major capsid protein
74557	74570	71540	75730	CDS product major capsid protein
74604	74620	71540	75730	CDS product major capsid protein
75070	75087	71540	75730	CDS product major capsid protein
75161	75181	71540	75730	CDS product major capsid protein

69030-69047	4:01:01	GGGAAGCTGGGGGAGTGG
69068-69094	4:01:01	CCAACGTGCCAATAAAGCCCACTTCCC
69317-69336	4:01:01	CCCCCGTTCCCATATACC
69831-69854	5:02:01	GGTATTAATGGCGGTGGGTGTTGG
69890-69900	4:01:01	CCCCGCCACC
69992-70008	5:02:01	CCACCGCCCCGATCCC
71273-71292	4:01:01	GGACTGTTTGGTGACACGG
72382-72406	5:02:01	GGACGGCAGGTTGACGGTGTGTTGG
72613-72639	5:02:01	CCGTCTATACCCCCACAATCCAACCTCC
73062-73087	4:01:01	GGCCGAGGGTACAGAGGACACATTGG
73098-73120	4:01:01	GGGGAGGTTTATGGAAACGTGGG
73257-73296	8:05:02	

73832-73851	4:01:01	CCGCCCAGACCGACTCCCC
73984-74005	4:01:01	CCCATTACTCCACACCATGACC
74156-74186	4:01:01	

74534-74554	4:01:01	GGCGGGTTTTGGCAAAAATGG
74557-74570	4:01:01	CCACCAATCCCTCC
74604-74620	4:01:01	CCAACCCGTTGCCTACC
75070-75087	4:01:01	CCCACCGAACCCTACCC
75161-75181	4:01:01	CCATGCCGGTGTCCACTGACC

75477	75493	71540	75730	CDS product major capsid protein	75477-75493 4:01:01 GGAGGCAAAGGCTGTGG
76253	76274	75847	76797	CDS product capsid triplex subunit 2	76253-76274 5:02:01 CCCTTTAACCATCCCCAGACC
76426	76443	75847	76797	CDS product capsid triplex subunit 2	76426-76443 4:01:01 GGGACGGATCGGATGCGG
77633	77653	76851	82593	CDS product DNA packaging terminase subunit 1	77633-77653 4:01:01
CCGGTCAAACCCACACCCC					
78920	78938	78170	80200	CDS product DNA packaging tegument protein UL17	78920-78938 4:01:01
CCAGGCACCCGTCCGACC					
79091	79106	78170	80200	CDS product DNA packaging tegument protein UL17	79091-79106 4:01:01 CCGCCAGCATCCCACC
79478	79506	78170	80200	CDS product DNA packaging tegument protein UL17	79478-79506 6:03:01
CCCCCTTACCCGCCTTTAAACCAGGCGCC					
79895	79917	78170	80200	CDS product DNA packaging tegument protein UL17	79895-79917 4:01:01
CCAAGGTCCCGTTCCCGTAGCC					
80262	80276	76851	82593	CDS product DNA packaging terminase subunit 1	80262-80276 4:01:01 CCCGTTTCCACCCCC
80477	80494	80360	81451	CDS product tegument protein UL16	80477-80494 4:01:01 CCATCCTGACCGATCCCC
80851	80873	80360	81451	CDS product tegument protein UL16	80851-80873 4:01:01 CCCCCGCGGCTCCGAAAAATCC
80977	80999	80360	81451	CDS product tegument protein UL16	80977-80999 4:01:01 GGATGGCATGCTCGGATACTTGG
81137	81157	80360	81451	CDS product tegument protein UL16	81137-81157 4:01:01 GGAGAAAGCCGTCAGCGGG
83185	83197	82719	83318	CDS product tegument protein UL14	83185-83197 4:01:01 CCCCCAACCTCC
83573	83598	83168	84700	CDS product tegument serine/threonine protein kinase	83573-83598 4:01:01
GGTTTGCGGGACGGGAACGTATGGG					
84668	84689	83168	84700	CDS product tegument serine/threonine protein kinase	84668-84689 4:01:01
GGCACGATCGGGATTGGATAGG					
84701	84713	84667	86322	CDS product deoxyribonuclease	84701-84713 4:01:01 CCCCCAGCCAGCC

84961	84985	84667	86322	CDS product deoxyribonuclease	84961-84985 4:01:01 CCACACAGCCTCAGGAGCCGCGTCC
85191	85216	84667	86322	CDS product deoxyribonuclease	85191-85216 5:02:01 GGTGATGCGGCGCAATGGCGTTTGG
85737	85755	84667	86322	CDS product deoxyribonuclease	85737-85755 4:01:01 GGATTTAAAGGTGGGAGGG
86246	86265	86226	86471	CDS product myristylated tegument protein	86246-86265 4:01:01 GGTCGAGGAGGAATCTGTGG
87065	87090	86575	87882	CDS product envelope glycoprotein M	87065-87090 4:01:01 CCACGGACACCGATGACCACAGTCCC
87515	87540	86575	87882	CDS product envelope glycoprotein M	87515-87540 5:02:01 CCGCCATGGCCATTGCCGTTAAAGCC
87601	87629	86575	87882	CDS product envelope glycoprotein M	87601-87629 6:03:01
CCACCTCTATTTCCGGACCATAACCCCCC					
87952	87972	87881	90388	CDS product DNA replication origin-binding helicase	87952-87972 4:01:01
GGAGGGGATCTGGTTTCGTGG					
88939	88957	87881	90388	CDS product DNA replication origin-binding helicase	88939-88957 4:01:01
GGGCCGGATATGGTATCGG					
89289	89309	87881	90388	CDS product DNA replication origin-binding helicase	89289-89309 4:01:01
GGTTGTATTGGATGGCATGGG					
90339	90367	87881	90388	CDS product DNA replication origin-binding helicase	90339-90367 5:02:01
GGGATCGTGGCCGCGGATAAACGGGGCGG					
91051	91067	90493	92808	CDS product helicase-primase subunit	91051-91067 4:01:01 CCTACGCCCCGCTGACC
91348	91377	90493	92808	CDS product helicase-primase subunit	91348-91377 5:02:01
GGTACGCGGCGCGTTTGAAAAACCCGGG					
91532	91550	90493	92808	CDS product helicase-primase subunit	91532-91550 4:01:01 GGAAACGGATGGGTGTGG
91602	91615	90493	92808	CDS product helicase-primase subunit	91602-91615 4:01:01 CCCCCCTTACCTCC
92148	92169	90493	92808	CDS product helicase-primase subunit	92148-92169 4:01:01 CCGCCATGGAACCGGTACTCC
92156	92179	90493	92808	CDS product helicase-primase subunit	92156-92179 4:01:01 GGAACCGGTACTCCGGGTCGAGGG

92592	92611	90493	92808	CDS product helicase-primase subunit	92592-92611 4:01:01	CCCAACCCACATGGACCTCC
93017	93043	92855	93850	CDS product tegument protein UL7	93017-93043 6:03:01	GGACAGGGGGGGTCCGTGGGGCAGG
93309	93331	92855	93850	CDS product tegument protein UL7	93309-93331 4:01:01	CCCCGAGGGCCCAATGCCTTCC
93420	93437	92855	93850	CDS product tegument protein UL7	93420-93437 4:01:01	CCCCACCGTATACACCC
93626	93643	92855	93850	CDS product tegument protein UL7	93626-93643 4:01:01	CCGTTACCTCCGCGCC
93776	93807	92855	93850	CDS product tegument protein UL7	93776-93807 6:03:01	
CCGGACATCCCATCGGCATCCCCGCGCTCC						
94732	94751	93675	95984	CDS product capsid portal protein	94732-94751 5:02:01	CCACCGATCCACTTCCTTCC
95020	95040	93675	95984	CDS product capsid portal protein	95020-95040 4:01:01	CCAACACCTCCCCAGAAAGCC
95233	95249	93675	95984	CDS product capsid portal protein	95233-95249 4:01:01	CCGCCGCTCCTCTGGCC
95406	95425	93675	95984	CDS product capsid portal protein	95406-95425 4:01:01	CCGACCCTTCCATTAAACC
95792	95807	93675	95984	CDS product capsid portal protein	95792-95807 4:01:01	CCAGCCATCTTCCTCC
96570	96590	95996	98641	CDS product helicase-primase helicase subunit	96570-96590 5:02:01	
GGGGGACGACGGTCGCGGAGG						
97767	97788	95996	98641	CDS product helicase-primase helicase subunit	97767-97788 4:01:01	
GGTTAATGGGGCGGTGCCGGG						
97838	97854	95996	98641	CDS product helicase-primase helicase subunit	97838-97854 4:01:01	
CCAAAGCCCCCGAGTCC						
97865	97883	95996	98641	CDS product helicase-primase helicase subunit	97865-97883 4:01:01	
CCTCCATACCCGAAGACCC						
98367	98393	95996	98641	CDS product helicase-primase helicase subunit	98367-98393 5:02:01	
GGCAATGGCCACCACGGTGGAATATGG						
98751	98771	98712	99302	CDS product nuclear protein UL4	98751-98771 4:01:01	GGTTACATGGGGTTAGGCGGG

99159 99182 98712 99302 CDS product nuclear protein UL4
 99206 99241 98712 99302 CDS product nuclear protein UL4
 CCTGAAACCAACTGTCCTTCTTCACCACAACCGGCC
 99989 100003 99607 100272 CDS product nuclear protein UL3
 100243 100256 99607 100272 CDS product nuclear protein UL3
 100386 100408 100302 101219 CDS product uracil-DNA glycosylase
 100534 100549 100302 101219 CDS product uracil-DNA glycosylase
 100612 100642 100302 101219 CDS product uracil-DNA glycosylase
 CCCCTGCCTTGCCCAACTCTCCAGGCATCC
 101107 101130 100302 101219 CDS product uracil-DNA glycosylase
 101462 101496 101170 101649 CDS product envelope glycoprotein L
 CCGGGGTGCCGCATAGTCCCACGCCTCATATACC
 103174 103193 103082 104485 CDS product ubiquitin E3 ligase ICPO
 103420 103446 103082 104485 CDS product ubiquitin E3 ligase ICPO
 GGTCTCCCGGTTGAGGTGGTTTCTGG
 103492 103526 103082 104485 CDS product ubiquitin E3 ligase ICPO
 GGTCCAGGTTTGCATGGTTAGGCGGTTGGATCGG
 103848 103862 103082 104485 CDS product ubiquitin E3 ligase ICPO
 103889 103909 103082 104485 CDS product ubiquitin E3 ligase ICPO
 CCATACACCACGGGGTCGCC
 104147 104163 103082 104485 CDS product ubiquitin E3 ligase ICPO
 104306 104342 103082 104485 CDS product ubiquitin E3 ligase ICPO
 GGACACCGGCAGAGAGGACACTGGACGCTGGTGGAGG

99159-99182 5:02:01 CCACACCAACACCAACCCCGCACC
 99206-99241 6:03:01
 99989-100003 4:01:01 GGCGGATGGTGTCTGG
 100243-100256 4:01:01 GGTACGGAAGGAGG
 100386-100408 4:01:01 GGAACACGGGACAATGGCGACGG
 100534-100549 5:02:01 CCAGCCGCCCCAGCC
 100612-100642 6:03:01
 101107-101130 4:01:01 GGGTTTTTTTGGTAACCGGATGGG
 101462-101496 5:02:01
 103174-103193 6:03:01 GGAGGTGGAGGGGGTATTGG
 103420-103446 5:02:01
 103492-103526 7:04:01
 103848-103862 4:01:01 CCTGCCCCCGGTCC
 103889-103909 4:01:01
 104147-104163 4:01:01 GGTCTGGGCTTGGTGG
 104306-104342 7:04:01

105224	105243	105201	109133	CDS product transcriptional regulator ICP4 CCTCCCCCGCGCCCTCCCC	105224-105243	5:02:01
105263	105279	105201	109133	CDS product transcriptional regulator ICP4 GGAGGACGAGGACGAGG	105263-105279	4:01:01
105289	105302	105201	109133	CDS product transcriptional regulator ICP4	105289-105302	4:01:01 CCACCTTGACCGCC
105374	105417	105201	109133	CDS product transcriptional regulator ICP4 CCCCGGTGCGTCCCCGTCGTCCCCGCCCCCTCCTCGCTGTCCC	105374-105417	7:04:01
105431	105455	105201	109133	CDS product transcriptional regulator ICP4 CCCCACCTCCCAATCGTCCAGCTCC	105431-105455	5:02:01
105515	105538	105201	109133	CDS product transcriptional regulator ICP4 CCGTTCCGAGCCCCCGTGGTGTCC	105515-105538	5:02:01
105548	105603	105201	109133	CDS product transcriptional regulator ICP4 CCGTGTTCCGTCGCTCCCCTCCAACACCGTCTCCGCGGCCCAAAACCGGGCGGCC	105548-105603	9:06:02
105614	105630	105201	109133	CDS product transcriptional regulator ICP4 GGGAATCGGGGGGAGGG	105614-105630	4:01:01
105635	105650	105201	109133	CDS product transcriptional regulator ICP4	105635-105650	4:01:01 CCGAGCCTCGTCCGCC
105664	105680	105201	109133	CDS product transcriptional regulator ICP4 CCACCGACCGACCGGCC	105664-105680	5:02:01
105699	105718	105201	109133	CDS product transcriptional regulator ICP4 GGTTCTGCGGCAGGGTCGGG	105699-105718	4:01:01
105768	105803	105201	109133	CDS product transcriptional regulator ICP4 CCGGCCTCCGGCCCCGGCGGCCCGGTCTCCGTCCC	105768-105803	8:05:02
105770	105793	105201	109133	CDS product transcriptional regulator ICP4	105770-105793	5:02:01

GGCCTCCGGCCCGGCGCCCCCGG		
105967 106023 105201 109133 CDS product transcriptional regulator ICP4	105967-106023	8:05:02
GGTATTACGGGGCGACAGGGGACGCGGGTCTTGGGGCCCGCGGGGTACACACGG		
106179 106223 105201 109133 CDS product transcriptional regulator ICP4	106179-106223	7:04:01
GGCCATCGGACGACGGCCTGGGCGTCCGGTCGCGCCGGGGCCCGG		
106195 106221 105201 109133 CDS product transcriptional regulator ICP4	106195-106221	4:01:01
CCTGGGCGTCCGGTCGCGCCGGGGCCC		
106254 106269 105201 109133 CDS product transcriptional regulator ICP4	106254-106269	4:01:01 CCATCCCTGGGCCACC
106279 106308 105201 109133 CDS product transcriptional regulator ICP4	106279-106308	6:03:01
CCACCGCGTCCAACACCAGCAACCGGCGCC		
106343 106368 105201 109133 CDS product transcriptional regulator ICP4	106343-106368	5:02:01
GGCCCCGGCAAAGGCCAGGTCTCGGG		
106411 106437 105201 109133 CDS product transcriptional regulator ICP4	106411-106437	5:02:01
CCGGCGGGCCGGTCCAGTTCCCGGCC		
106452 106484 105201 109133 CDS product transcriptional regulator ICP4	106452-106484	5:02:01
GGCAGGCACAACCGTTACTCAGGGCTGCCAGG		
106628 106647 105201 109133 CDS product transcriptional regulator ICP4	106628-106647	4:01:01
CCGCATCCAGGCGCACCTCC		
106692 106707 105201 109133 CDS product transcriptional regulator ICP4	106692-106707	4:01:01 CCTCCGCCCCGACGCC
106752 106778 105201 109133 CDS product transcriptional regulator ICP4	106752-106778	4:01:01
GGGCGCCAGGCCGTGGGAAACAATGGG		
106792 106809 105201 109133 CDS product transcriptional regulator ICP4	106792-106809	4:01:01
GGGCGATGGTTTCGGGGG		

106819	106844	105201	109133	CDS product transcriptional regulator ICP4 CCTTGCGAGCCTGGTCCGACGGGACC	106819-106844	4:01:01	
106831	106867	105201	109133	CDS product transcriptional regulator ICP4 GGTCCGACGGGACCGGGGTATGCAGGGCCCCCGGGG	106831-106867	5:02:01	
106941	106968	105201	109133	CDS product transcriptional regulator ICP4 GGGCCCAGAGGTGATGGTCACGGGCTCGG	106941-106968	5:02:01	
106972	106994	105201	109133	CDS product transcriptional regulator ICP4 CCCGCCTCTTGGCCTTGAAACC	106972-106994	4:01:01	
107138	107161	105201	109133	CDS product transcriptional regulator ICP4 GGCGGCCGACGGCTGAGGGTCGGG	107138-107161	5:02:01	
107171	107202	105201	109133	CDS product transcriptional regulator ICP4 GGCCGGGGTTGTTGGAGAAGGGTGACCGCGGG	107171-107202	5:02:01	
107324	107342	105201	109133	CDS product transcriptional regulator ICP4 GGCCGCGGCCGCGTGGGGG	107324-107342	4:01:01	
107347	107369	105201	109133	CDS product transcriptional regulator ICP4 CCCAGAGGGCCTCCCCGTGGCC	107347-107369	5:02:01	
107644	107663	105201	109133	CDS product transcriptional regulator ICP4 CCTCATCCTCCCAGTGACCC	107644-107663	4:01:01	
107674	107697	105201	109133	CDS product transcriptional regulator ICP4 CCCCGGACGGTCCAAACCGCACCC	107674-107697	4:01:01	
107766	107799	105201	109133	CDS product transcriptional regulator ICP4 GGGGGAATTATCGGGGTCTGGATCGCGGCAGGG	107766-107799	6:03:01	
108268	108281	105201	109133	CDS product transcriptional regulator ICP4	108268-108281	4:01:01	CCGCCTTTGCCCCC

108327	108349	105201	109133	CDS product transcriptional regulator ICP4	108327-108349	4:01:01	
GGGCCGGGTACAGGTCCACCGG							
108342	108359	105201	109133	CDS product transcriptional regulator ICP4	108342-108359	4:01:01	
CCACCGGGTTCCGCGCC							
108621	108666	105201	109133	CDS product transcriptional regulator ICP4	108621-108666	8:05:02	
GGAGACGCGGGGATACAGGGAGAAGGCCTGCGGGAACGGAGGGG							
108834	108854	105201	109133	CDS product transcriptional regulator ICP4	108834-108854	4:01:01	
CCCATTAGATCCTGACCGTCC							
108955	108982	105201	109133	CDS product transcriptional regulator ICP4	108955-108982	5:02:01	
CCCGTCCCACCATGACCCCGTTCTCTCC							
109039	109073	105201	109133	CDS product transcriptional regulator ICP4	109039-109073	6:03:01	
CCGCCGCGCCGCGTCCAACAGGTCCATTA ACTCC							
111244	111272	110581	111417	CDS product regulatory protein ICP22	111244-111272	4:01:01	
CCCCGTCCCCAAAGAGACCCAGCGTGCC							
111763	111777	111565	112107	CDS product virion protein US10	111763-111777	4:01:01	GGGGGAGGGCAAAGG
111825	111846	111565	112107	CDS product virion protein US10	111825-111846	5:02:01	CCACCCTCGGTTCCGCCGATCC
112603	112619	112332	112640	CDS product membrane protein US9	112603-112619	4:01:01	CCACGGCCTCACCTCC
113748	113766	113037	114218	CDS product serine/threonine protein kinase US3	113748-113766	4:01:01	
GGTATTATGGCTGGGCTGG							
114179	114198	113037	114218	CDS product serine/threonine protein kinase US3	114179-114198	4:01:01	
CCCGATCCATATCCAAATCC							
115101	115131	114496	115560	CDS product envelope glycoprotein I	115101-115131	5:02:01	
CCCGCGACACCCAAAGGGTCCGGTACCTCCC							

115830	115853	115808	117679	CDS product envelope glycoprotein E	115830-115853	5:02:01	GGTGGGGGTATTGATGGGGTTTCGG
116175	116198	115808	117679	CDS product envelope glycoprotein E	116175-116198	4:01:01	GGAGGATCTTGGGGACGATACGGG
116496	116518	115808	117679	CDS product envelope glycoprotein E	116496-116518	5:02:01	GGTGGTGGATGTGGATTGCGCGG
117334	117356	115808	117679	CDS product envelope glycoprotein E	117334-117356	5:02:01	CCGCCAACGGCCGGTCAGCCACC
117579	117601	115808	117679	CDS product envelope glycoprotein E	117579-117601	4:01:01	GGACTCGGAATCTACGGATACGG
117625	117641	115808	117679	CDS product envelope glycoprotein E	117625-117641	4:01:01	GGAGGGAGTCACGGGGG
118049	118070	117790	118332	CDS product virion protein US10	118049-118070	5:02:01	GGATCGGCGGAACCGAGGGTGG
118118	118132	117790	118332	CDS product virion protein US10	118118-118132	4:01:01	CCTTTGCCCTCCCC
118623	118651	118480	119316	CDS product regulatory protein ICP22	118623-118651	4:01:01	
GGCACGCTGGGGTCTCTTTGGGACGGGG							
120822	120856	120764	124696	CDS product transcriptional regulator ICP4	120822-120856	6:03:01	
GGAGTTAATGGACCTGTTGGACGCGGCCGCGCGG							
120913	120940	120764	124696	CDS product transcriptional regulator ICP4	120913-120940	5:02:01	
GGAGAGAACGGGGTCATGGTGGGACGGG							
121041	121061	120764	124696	CDS product transcriptional regulator ICP4	121041-121061	4:01:01	
GGACGGTCAGGATCTAATGGG							
121229	121274	120764	124696	CDS product transcriptional regulator ICP4	121229-121274	8:05:02	
CCCCTCCGTTCCCGCAGGCCTTCTCCCCTGTATCCCCGCGTCTCC							
121536	121553	120764	124696	CDS product transcriptional regulator ICP4	121536-121553	4:01:01	
GGCGCGGAAACCCGGTGG							
121546	121568	120764	124696	CDS product transcriptional regulator ICP4	121546-121568	4:01:01	
CCCGGTGGACCTGTACCCGCCCC							
121614	121627	120764	124696	CDS product transcriptional regulator ICP4	121614-121627	4:01:01	GGGGGCAAAGGCGG

122096	122129	120764	124696	CDS product transcriptional regulator ICP4	122096-122129	6:03:01
CCCTGCCGCGATCCAGAACCCCGATAATTCCCCC						
122198	122221	120764	124696	CDS product transcriptional regulator ICP4	122198-122221	4:01:01
GGGTGCGGTTTGGACCGTCCGGGG						
122232	122251	120764	124696	CDS product transcriptional regulator ICP4	122232-122251	4:01:01
GGGTCACTGGGAGGATGAGG						
122526	122548	120764	124696	CDS product transcriptional regulator ICP4	122526-122548	5:02:01
GGCCACGGGGGAGGCCCTCTGGG						
122553	122571	120764	124696	CDS product transcriptional regulator ICP4	122553-122571	4:01:01
CCCCACGCGGCCGCGGCC						
122693	122724	120764	124696	CDS product transcriptional regulator ICP4	122693-122724	5:02:01
CCCGCGGTCACCCTTCTCCAACAACCCCGGCC						
122734	122757	120764	124696	CDS product transcriptional regulator ICP4	122734-122757	5:02:01
CCCGACCCTCAGCCGTCGGCCGCC						
122901	122923	120764	124696	CDS product transcriptional regulator ICP4	122901-122923	4:01:01
GGTTTCCAAGCCAAGAGGCGGG						
122927	122954	120764	124696	CDS product transcriptional regulator ICP4	122927-122954	5:02:01
CCGAGCCCGTGACCATCACCTCGGGCCC						
123028	123064	120764	124696	CDS product transcriptional regulator ICP4	123028-123064	5:02:01
CCCCGGGGGGCCCTGCATACCCCGGTCCCGTCGGACC						
123051	123076	120764	124696	CDS product transcriptional regulator ICP4	123051-123076	4:01:01
GGTCCCGTCGGACCAGGCTCGCAAGG						
123086	123103	120764	124696	CDS product transcriptional regulator ICP4	123086-123103	4:01:01

CCCCCGAAACCATCGCCC							
123117	123143	120764	124696	CDS product transcriptional regulator ICP4	123117-123143	4:01:01	
CCCATTGTTTCCCACGGCCTGGCGCCC							
123188	123203	120764	124696	CDS product transcriptional regulator ICP4	123188-123203	4:01:01	GGCGTCCGGGCGGAGG
123248	123267	120764	124696	CDS product transcriptional regulator ICP4	123248-123267	4:01:01	
GGAGGTGCGCCTGGATGCGG							
123411	123443	120764	124696	CDS product transcriptional regulator ICP4	123411-123443	5:02:01	
CCTGGCAGCCCTGAGTAACCGTTGTGCCTGCC							
123458	123484	120764	124696	CDS product transcriptional regulator ICP4	123458-123484	5:02:01	
GGGCCGGGAAGTGGACCGGCCCGCCGG							
123527	123552	120764	124696	CDS product transcriptional regulator ICP4	123527-123552	5:02:01	
CCCGAGACCTGGCCTTTGCCGGGGCC							
123587	123616	120764	124696	CDS product transcriptional regulator ICP4	123587-123616	6:03:01	
GGCGCCGGTTGCTGGTGTGGACGCGGTGG							
123626	123641	120764	124696	CDS product transcriptional regulator ICP4	123626-123641	4:01:01	GGTGGCCCAGGGATGG
123672	123716	120764	124696	CDS product transcriptional regulator ICP4	123672-123716	7:04:01	
CCGGGCCCCGGCGGACCGGACGCCAGGCCGTCGTCCGATGGCC							
123674	123700	120764	124696	CDS product transcriptional regulator ICP4	123674-123700	4:01:01	
GGGCCCCGGCGGACCGGACGCCAGG							
123872	123928	120764	124696	CDS product transcriptional regulator ICP4	123872-123928	8:05:02	
CCGTGTGTACCCGCGGGGCCCAAGACCCGCGTCCCCTGTGCCCCGTGAATACC							
124092	124127	120764	124696	CDS product transcriptional regulator ICP4	124092-124127	8:05:02	
GGGACGGAGACCGGGGGCCGCCGGCCGGAGGCCGG							

124102	124125	120764	124696	CDS product transcriptional regulator ICP4	124102-124125	5:02:01	
CCGGGGGCCCGCGGGCCGAGGCC							
124177	124196	120764	124696	CDS product transcriptional regulator ICP4	124177-124196	4:01:01	
CCCGACCCTGCCGAGAACC							
124215	124231	120764	124696	CDS product transcriptional regulator ICP4	124215-124231	5:02:01	
GGCCGGTCGGTCGGTGG							
124245	124260	120764	124696	CDS product transcriptional regulator ICP4	124245-124260	4:01:01	GGCGGACGAGGCTCGG
124265	124281	120764	124696	CDS product transcriptional regulator ICP4	124265-124281	4:01:01	
CCCTCCCCCGATTCCC							
124292	124347	120764	124696	CDS product transcriptional regulator ICP4	124292-124347	9:06:02	
GGCCGCCCGGTTTTGGGGCCGCGGAGACGGTGTGGAGGGGAGCGACGGAACACGG							
124357	124380	120764	124696	CDS product transcriptional regulator ICP4	124357-124380	5:02:01	
GGACACCACGGGGGCTCGGAACGG							
124440	124464	120764	124696	CDS product transcriptional regulator ICP4	124440-124464	5:02:01	
GGAGCTGGACGATTGGGAGGTGGGG							
124478	124521	120764	124696	CDS product transcriptional regulator ICP4	124478-124521	7:04:01	
GGGACAGCGAGGAGGGGGCGGGACGAGGGGACGCACCGGGG							
124593	124606	120764	124696	CDS product transcriptional regulator ICP4	124593-124606	4:01:01	GGCGGTCAAGGTGG
124616	124632	120764	124696	CDS product transcriptional regulator ICP4	124616-124632	4:01:01	
CCTCGTCCTCGTCTCC							
124652	124671	120764	124696	CDS product transcriptional regulator ICP4	124652-124671	5:02:01	
GGGGAGGGCGGGGGGAGG							

gi|50313241|ref|NC_001491.2| Equid herpesvirus 1, complete genome

3460	3473	2841	3614	CDS product myristylated tegument protein CIRC		3460-3473	4:01:01	CCCTCCAGCCCGCC
4057	4073	3647	4249	CDS product nuclear protein UL55	4057-4073	5:02:01		GGCCGGCTGGGAGGTGG
4168	4202	3647	4249	CDS product nuclear protein UL55	4168-4202	6:03:01		
CCCGCCGTGGTTCCTCCCGTGGGAGCCTATATCCC								
4499	4522	4462	5874	CDS product multifunctional expression regulator		4499-4522	4:01:01	
GGTAAACCGGAACGAGGGTGTAGG								
5096	5122	4462	5874	CDS product multifunctional expression regulator		5096-5122	5:02:01	
CCGATCCGAAGCCGAGCACCGGAGCCC								
5389	5405	4462	5874	CDS product multifunctional expression regulator		5389-5405	4:01:01	
CCTGCGCCGCCATGTCC								
5513	5534	4462	5874	CDS product multifunctional expression regulator		5513-5534	4:01:01	
CCGGCTCCGGCTTTTCCCAGCC								
5589	5608	4462	5874	CDS product multifunctional expression regulator		5589-5608	4:01:01	
CCCATGGCCAAACGCCGGCC								
6171	6190	6011	7042	CDS product envelope glycoprotein K	6171-6190	5:02:01		GGGTGGCGGGAGTCGGGGGG
6258	6272	6011	7042	CDS product envelope glycoprotein K	6258-6272	4:01:01		CCACCACAAACCCCC
6973	7000	6011	7042	CDS product envelope glycoprotein K	6973-7000	5:02:01		GGTAAACGCGGCATAGGCGGTGATAAGG
7372	7388	7056	10301	CDS product helicase-primase primase subunit		7372-7388	4:01:01	
CCACCTCACCGAGTACC								
7566	7578	7056	10301	CDS product helicase-primase primase subunit		7566-7578	4:01:01	GGATGGCGGGGGG
7870	7891	7056	10301	CDS product helicase-primase primase subunit		7870-7891	6:03:01	
GGAGGTAAGGGGTGGCACAGG								
8814	8848	7056	10301	CDS product helicase-primase primase subunit		8814-8848	6:03:01	

GGTGGCGTGGAATGGACACTCTGGGGTTTGTGGG							
8867	8882	7056	10301	CDS product helicase-primase primase subunit	8867-8882	4:01:01	CCAGCCGCGGCCAGCC
9452	9469	7056	10301	CDS product helicase-primase primase subunit	9452-9469	4:01:01	
GGGGTTAGGTGCGGCCGG							
9508	9531	7056	10301	CDS product helicase-primase primase subunit	9508-9531	4:01:01	
GGTCGTAGGTGCCCCGGATCTGG							
9689	9711	7056	10301	CDS product helicase-primase primase subunit	9689-9711	5:02:01	
GGAGGTCAAACCGGAGCGGCCGG							
9922	9942	7056	10301	CDS product helicase-primase primase subunit	9922-9942	4:01:01	
CCAACGCCCGGGCTCCGGTCC							
10002	10015	7056	10301	CDS product helicase-primase primase subunit	10002-10015	4:01:01	CCTCCCACCATACC
10194	10213	7056	10301	CDS product helicase-primase primase subunit	10194-10213	4:01:01	
CCCTCCGAGCTCTCCTGTCC							
10385	10412	10300	11037	CDS product tegument protein UL51	10385-10412	5:02:01	CCCAGCTACCATGCTCCGCCTACAGTCC
10471	10494	10300	11037	CDS product tegument protein UL51	10471-10494	4:01:01	CCTCTGCCGACAACACCCGGCGCC
10576	10598	10300	11037	CDS product tegument protein UL51	10576-10598	4:01:01	CCGACAACCCGAACCTGAACGCC
10642	10665	10300	11037	CDS product tegument protein UL51	10642-10665	4:01:01	CCTGCCTCGCGGCCCTCATGCACC
10780	10809	10300	11037	CDS product tegument protein UL51	10780-10809	5:02:01	
CCCTCGGCCTGGATCCCCAGGCAACCGTCC							
10920	10932	10300	11037	CDS product tegument protein UL51	10920-10932	4:01:01	CCTCTCCTCCCCC
11141	11164	11135	12115	CDS product deoxyuridine triphosphatase	11141-11164	5:02:01	CCGGTTGAGCCAAACCTCCATCC
11251	11272	11135	12115	CDS product deoxyuridine triphosphatase	11251-11272	4:01:01	GGGGGAGTACGTGGGAAAGGG
11477	11495	11135	12115	CDS product deoxyuridine triphosphatase	11477-11495	4:01:01	GGCGTGACGGCGGGGTTGG

12130	12171	12084	12386	CDS product envelope glycoprotein N	12130-12171 8:05:02
GGTGGTGCTTGGTCTGGCCAGAGGGGCTGGTGGCGACCCAGG					
12321	12340	12084	12386	CDS product envelope glycoprotein N	12321-12340 4:01:01 CCTGCCAGGCATACCGCGCC
12885	12906	12549	13463	CDS product tegument protein VP22	12885-12906 5:02:01 CCTCCAATGGCCGCCAAAGCCC
12947	12975	12549	13463	CDS product tegument protein VP22	12947-12975 6:03:01
CCACCCCCACGTGTTCCAACGCGACCACC					
13343	13368	12549	13463	CDS product tegument protein VP22	13343-13368 4:01:01 GGGTATGCGGCAGCTGGACCCAACGG
13715	13739	13595	14944	CDS product transactivating tegument protein VP16	13715-13739 4:01:01
CCATCGAGTCCGTTTATTCCATTCC					
13762	13785	13595	14944	CDS product transactivating tegument protein VP16	13762-13785 6:03:01
CCACCGCCCAAGGCCGCCAGCCCC					
13802	13832	13595	14944	CDS product transactivating tegument protein VP16	13802-13832 5:02:01
GGCTACAAGGCGAGCTGGGTTTTCCGGAGGG					
13959	13995	13595	14944	CDS product transactivating tegument protein VP16	13959-13995 6:03:01
CCTCGATAGCCTGCCCACTCCCAGCCACTATAGCCCC					
14026	14047	13595	14944	CDS product transactivating tegument protein VP16	14026-14047 4:01:01
CCCTTCCCAGAGGTTCCCGCCC					
14330	14350	13595	14944	CDS product transactivating tegument protein VP16	14330-14350 4:01:01
CCTGGCGCCTTACGCCAGCC					
14763	14775	13595	14944	CDS product transactivating tegument protein VP16	14763-14775 4:01:01
CCCGCCCTCCCCC					
14788	14814	13595	14944	CDS product transactivating tegument protein VP16	14788-14814 5:02:01
CCAGGCGACCCAGTCCCGCCTCTTACC					

15594	15620	15317	17932	CDS	product	tegument	protein	VP13/14
CCCCGCACAGCCACAAGCACCCAGACC								
15666	15683	15317	17932	CDS	product	tegument	protein	VP13/14
15802	15819	15317	17932	CDS	product	tegument	protein	VP13/14
15838	15860	15317	17932	CDS	product	tegument	protein	VP13/14
16182	16198	15317	17932	CDS	product	tegument	protein	VP13/14
16289	16304	15317	17932	CDS	product	tegument	protein	VP13/14
16356	16373	15317	17932	CDS	product	tegument	protein	VP13/14
16775	16798	15317	17932	CDS	product	tegument	protein	VP13/14
17097	17110	15317	17932	CDS	product	tegument	protein	VP13/14
17440	17459	15317	17932	CDS	product	tegument	protein	VP13/14
17460	17488	15317	17932	CDS	product	tegument	protein	VP13/14
CCTAATCCTTCAGCGCCTGGCGGGCCACC								
17674	17690	15317	17932	CDS	product	tegument	protein	VP13/14
17776	17806	15317	17932	CDS	product	tegument	protein	VP13/14
GGCGCCGGCCTGGGACGCATGGTGGACATGG								
17852	17862	15317	17932	CDS	product	tegument	protein	VP13/14
18084	18096	18083	20326	CDS	product	tegument	protein	VP11/12
18156	18171	18083	20326	CDS	product	tegument	protein	VP11/12
18478	18493	18083	20326	CDS	product	tegument	protein	VP11/12
18920	18933	18083	20326	CDS	product	tegument	protein	VP11/12
19097	19114	18083	20326	CDS	product	tegument	protein	VP11/12
19399	19428	18083	20326	CDS	product	tegument	protein	VP11/12

15594-15620	4:01:01	
15666-15683	4:01:01	GGAAGAGGAGGAAGAGGG
15802-15819	4:01:01	CCCACGTCCGCCGAATCC
15838-15860	5:02:01	GGTGAAATGGTGGCCGGTGCGGG
16182-16198	4:01:01	GGGGGACTACATGGAGG
16289-16304	4:01:01	CCAACCACACCAACCC
16356-16373	4:01:01	CCTGGCCCGCACACCC
16775-16798	4:01:01	GGGAGAGGCGCAGGAAACTGGGG
17097-17110	4:01:01	GGTGGCAATGGAGG
17440-17459	4:01:01	GGGGTGTTTTTGGGGGTGGG
17460-17488	5:02:01	
17674-17690	4:01:01	CCTCGCCCCGGCCCTCC
17776-17806	6:03:01	
17852-17862	4:01:01	CCACCTCCTCC
18084-18096	4:01:01	GGACGGAGGGGGG
18156-18171	4:01:01	CCTGCTGCCAACCC
18478-18493	4:01:01	GGTGCGGTGGGTACAGG
18920-18933	4:01:01	CCACCGCCGACCC
19097-19114	4:01:01	GGCTCGATGGTGGCGTGG
19399-19428	6:03:01	

CCTCCCCAAGGGCCGCTACCGGCACCCCC

19495	19508	18083	20326	CDS product tegument protein VP11/12
19523	19538	18083	20326	CDS product tegument protein VP11/12
19722	19743	18083	20326	CDS product tegument protein VP11/12
19760	19779	18083	20326	CDS product tegument protein VP11/12
19800	19817	18083	20326	CDS product tegument protein VP11/12
19875	19890	18083	20326	CDS product tegument protein VP11/12
19926	19948	18083	20326	CDS product tegument protein VP11/12
19978	19992	18083	20326	CDS product tegument protein VP11/12
20002	20018	18083	20326	CDS product tegument protein VP11/12
20178	20195	18083	20326	CDS product tegument protein VP11/12
21518	21539	21445	22851	CDS product envelope glycoprotein C
21760	21777	21445	22851	CDS product envelope glycoprotein C
21971	21987	21445	22851	CDS product envelope glycoprotein C
22163	22182	21445	22851	CDS product envelope glycoprotein C
22273	22285	21445	22851	CDS product envelope glycoprotein C
22620	22645	21445	22851	CDS product envelope glycoprotein C
23153	23168	23029	24234	CDS product envelope protein UL43
23243	23263	23029	24234	CDS product envelope protein UL43
24114	24134	23029	24234	CDS product envelope protein UL43
24678	24694	24479	25696	CDS product DNA polymerase processivity subunit
GGCACGGCTGGGTCGGG				
25396	25406	24479	25696	CDS product DNA polymerase processivity subunit

19495-19508	4:01:01	CCAACCTCCCCTCC
19523-19538	4:01:01	CCCCAGGACCAACCC
19722-19743	4:01:01	CCCCTCAACGCCATCGCCAACC
19760-19779	4:01:01	CCAATCCACTCCTTGGGCC
19800-19817	4:01:01	CCCCAACCCGTTGATCC
19875-19890	4:01:01	GGTCGAGGAGGTTTGG
19926-19948	4:01:01	CCCCAGCCGTGCCGGGCGTTCCC
19978-19992	4:01:01	CCATCGTCCCCCGCC
20002-20018	4:01:01	CCACCCGCCAATTCTCC
20178-20195	4:01:01	CCCCGGCCCCACCAACC
21518-21539	4:01:01	CCAGCGCCAGTGCCGCGCCCC
21760-21777	4:01:01	GGAACCCCTGGTAGGTGG
21971-21987	4:01:01	CCTCCTCCGGATCAACC
22163-22182	4:01:01	GGCTCGGGTGAACGGAAAGG
22273-22285	4:01:01	CCGGCCGTCCGCC
22620-22645	4:01:01	GGTGCAGGTGATTGTGGTTTCATGGG
23153-23168	4:01:01	CCCCAGTATACCCCC
23243-23263	4:01:01	GGGCCGTGGAGTGATGCCGG
24114-24134	4:01:01	GGAGGCCGCCAGGTACATGG
24678-24694	4:01:01	
25396-25406	4:01:01	GGCGGGGGGGG

26778	26795	26262	27755	CDS product tegument host shutoff protein	26778-26795 4:01:01
26966	26987	26262	27755	CDS product tegument host shutoff protein	26966-26987 5:02:01
CCGCTGTTCCGCCAACCTCC					
27357	27384	26262	27755	CDS product tegument host shutoff protein	27357-27384 6:03:01
GGCCTCGGCGGTCTGCGGAGGCCTCAGG					
27464	27479	26262	27755	CDS product tegument host shutoff protein	27464-27479 4:01:01
27565	27585	26262	27755	CDS product tegument host shutoff protein	27565-27585 4:01:01
CCTACCCATCACCCAGGAGCC					
27974	28005	27894	28859	CDS product ribonucleotide reductase subunit 2	27974-28005 6:03:01
GGCGAGAGGAAAGCTCGGGATGGTTGGGGG					
28291	28311	27894	28859	CDS product ribonucleotide reductase subunit 2	28291-28311 4:01:01
GGTTGTGGGTACGGAGATAGG					
28399	28429	27894	28859	CDS product ribonucleotide reductase subunit 2	28399-28429 6:03:01
CCTTTGCCTGTAGCCAGGCAACCTTCCGTCC					
28702	28725	27894	28859	CDS product ribonucleotide reductase subunit 2	28702-28725 5:02:01
GGTCATCGGAAATGGGAAGGTCGG					
30538	30559	28904	31276	CDS product ribonucleotide reductase subunit 1	30538-30559 4:01:01
CCCGGCCTCTTCCATTAGAGCC					
30669	30685	28904	31276	CDS product ribonucleotide reductase subunit 1	30669-30685 4:01:01
CCTGTCCGGCCAGCGCC					
30712	30733	28904	31276	CDS product ribonucleotide reductase subunit 1	30712-30733 4:01:01
CCAGCCTACTTCCCCGCTGACC					
30744	30760	28904	31276	CDS product ribonucleotide reductase subunit 1	30744-30760 4:01:01

CCATAGCCGGTTCCTCC					
31151	31169	28904	31276	CDS product ribonucleotide reductase subunit 1	31151-31169 4:01:01
GGGCGGGGAGGCAGCGTGG					
31535	31555	31519	32916	CDS product capsid triplex subunit 1	31535-31555 4:01:01 CCCAATCCTGTGGGTCCCACC
31610	31650	31519	32916	CDS product capsid triplex subunit 1	31610-31650 7:04:01
GGCGTGTGGTTCTGGGGGAGTCTGAGGCTATGGCCCCCAGG					
31796	31829	31519	32916	CDS product capsid triplex subunit 1	31796-31829 7:04:01
GGAGCGGGAGGGCGGCGTTTGGGTGCGGCTCTGG					
31835	31850	31519	32916	CDS product capsid triplex subunit 1	31835-31850 4:01:01 CCGCTCCCTCCGTTC
31931	31966	31519	32916	CDS product capsid triplex subunit 1	31931-31966 6:03:01
CCGCCACGTACACCCTCACTCCCTCCCGCGTAACC					
32432	32451	31519	32916	CDS product capsid triplex subunit 1	32432-32451 4:01:01 CCCAAGCCTCGTCCAACCTC
32496	32537	31519	32916	CDS product capsid triplex subunit 1	32496-32537 9:06:02
GGCATCGAGGTGGTGGCGGAGCGGATTATCGGAAGTCCGGG					
32709	32721	31519	32916	CDS product capsid triplex subunit 1	32709-32721 4:01:01 GGGGGTGGCCTGG
33583	33609	33292	36354	CDS product tegument protein UL37	33583-33609 7:04:01 GGACGGACAGGGAATGGAGGCGGTGG
33933	33957	33292	36354	CDS product tegument protein UL37	33933-33957 4:01:01 GGCCTAATGGTCAAGGGCTACAAGG
34012	34037	33292	36354	CDS product tegument protein UL37	34012-34037 4:01:01 CCTATTTTCCCAAAGGAACCGCGACC
34366	34403	33292	36354	CDS product tegument protein UL37	34366-34403 6:03:01
CCGAGCACGCCAGTAACACCTGGGAGACCATCCAGGCC					
34467	34491	33292	36354	CDS product tegument protein UL37	34467-34491 5:02:01 GGAATTTTGGAGCGCGTGGTGGTGG
34706	34728	33292	36354	CDS product tegument protein UL37	34706-34728 5:02:01 GGGTCTGGCGGACAAGGGAGTGG
34831	34856	33292	36354	CDS product tegument protein UL37	34831-34856 4:01:01 CCACTGGGCCCCGAACCCATAGCGCC

35170	35191	33292	36354	CDS product tegument protein UL37	35170-35191	4:01:01	GGGCCAGGGACTACGGCGCCGG
35272	35304	33292	36354	CDS product tegument protein UL37	35272-35304	6:03:01	
CCCCTACCCCAACCATGGCCCATGCCAACAACC							
35379	35408	33292	36354	CDS product tegument protein UL37	35379-35408	5:02:01	
CCAGTGCCCGAACGACCCTCCGTAAAAACC							
35846	35881	33292	36354	CDS product tegument protein UL37	35846-35881	7:04:01	
GGCCAGGGCCCAGAGGGGTTGGCAATAAGGGCCGG							
35892	35911	33292	36354	CDS product tegument protein UL37	35892-35911	4:01:01	GGGGTTCTGAGGCTCCCGG
36607	36641	36588	46853	CDS product large tegument protein	36607-36641	6:03:01	
GGCGAATAAGCGGGGGCGCTCAGGCCGATGTGG							
36797	36819	36588	46853	CDS product large tegument protein	36797-36819	5:02:01	GGGCGGCCTGGACTGTGGCCGG
37049	37067	36588	46853	CDS product large tegument protein	37049-37067	4:01:01	GGGGCTATTGGTCTGGCGG
37393	37420	36588	46853	CDS product large tegument protein	37393-37420	6:03:01	GGCTGTGGGTGCGTTTCGGAGGCGTGG
37462	37478	36588	46853	CDS product large tegument protein	37462-37478	4:01:01	GGACATGGAGGGTGTGG
37559	37579	36588	46853	CDS product large tegument protein	37559-37579	5:02:01	CCCCCGTGGACGCCTCCCACC
37857	37871	36588	46853	CDS product large tegument protein	37857-37871	4:01:01	GGCTCTCGGGGGAGG
38077	38095	36588	46853	CDS product large tegument protein	38077-38095	4:01:01	GGTGAAAATGGCGCGCGG
38449	38472	36588	46853	CDS product large tegument protein	38449-38472	4:01:01	CCTATTTGCCCAGAACCGAAACC
38689	38716	36588	46853	CDS product large tegument protein	38689-38716	5:02:01	CCTATCAGCCGTCCCTACCCGCGTAGCC
38917	38937	36588	46853	CDS product large tegument protein	38917-38937	4:01:01	GGCCTCGGCGGTATCCAGGG
38932	38946	36588	46853	CDS product large tegument protein	38932-38946	4:01:01	CCAGGGACCTCCGGC
39641	39665	36588	46853	CDS product large tegument protein	39641-39665	6:03:01	CCAAACTCCACCACCTCATCCGCC
40042	40055	36588	46853	CDS product large tegument protein	40042-40055	4:01:01	GGGGTTCAGGAGG

40068	40084	36588	46853	CDS product large tegument protein	40068-40084	4:01:01	CCGCGATAGCCGCCGCC
40110	40126	36588	46853	CDS product large tegument protein	40110-40126	5:02:01	CCGCCGCCACTGCCGCC
40131	40148	36588	46853	CDS product large tegument protein	40131-40148	4:01:01	GGGAGCTGGCGAGGCTGG
40438	40454	36588	46853	CDS product large tegument protein	40438-40454	4:01:01	GGAACAGGCCCTGGCGG
41344	41365	36588	46853	CDS product large tegument protein	41344-41365	4:01:01	GGATATTAAGGCCGTGGAGTGG
41526	41542	36588	46853	CDS product large tegument protein	41526-41542	4:01:01	GGGACGAGGCATGGGGG
41983	42001	36588	46853	CDS product large tegument protein	41983-42001	4:01:01	CCGCCCTCACCTGGAAGCC
42321	42338	36588	46853	CDS product large tegument protein	42321-42338	4:01:01	GGTTTGGGCTGAAAAGG
42908	42929	36588	46853	CDS product large tegument protein	42908-42929	5:02:01	GGCGAAAGCGGACGGCGCGCGG
42942	42979	36588	46853	CDS product large tegument protein	42942-42979	9:06:02	
CCTCCGCCATTCCCGGAAACCCCTGGCCACCTTTACC							
43368	43388	36588	46853	CDS product large tegument protein	43368-43388	4:01:01	CCAGACCCGGGGCGACCGACC
43688	43710	36588	46853	CDS product large tegument protein	43688-43710	4:01:01	CCTCCAATGAACCCGGATGACCC
43966	44000	36588	46853	CDS product large tegument protein	43966-44000	7:04:01	
GGCGTGGCAAGAGTGGTTGGAGGATGGGTTCGCGG							
44022	44044	36588	46853	CDS product large tegument protein	44022-44044	5:02:01	CCAACGCCATGCCGGCGCCTCCC
44145	44167	36588	46853	CDS product large tegument protein	44145-44167	4:01:01	CCGCCATCATGTCCGAAAGCCC
44199	44260	36588	46853	CDS product large tegument protein	44199-44260	13:10:03	
CCGTTCCACCTTCCGTACCTGCTCCTCCCACTCTTCCACCCGCTCCCCCTCTGCCCAATCC							
44543	44581	36588	46853	CDS product large tegument protein	44543-44581	8:05:02	
CCAGTTCCACCCACCGATAAGCCGTCAACCACCACTCCC							
44741	44760	36588	46853	CDS product large tegument protein	44741-44760	5:02:01	CCCGGAGCCAAACCACCCCC
44934	44992	36588	46853	CDS product large tegument protein	44934-44992	11:08:02	

CCCAATCAACCAAGGACCCCTGCCGTAGAGACCCCGCGGCCCGGCC						
45138	45164	36588	46853	CDS product large tegument protein	45138-45164 6:03:01	CCCCGCCGCGGCCCGGCCAAAGACC
45187	45271	36588	46853	CDS product large tegument protein	45187-45271 15:12:03	
CCCAAAGCCGCGCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCC						
45196	45269	36588	46853	CDS product large tegument protein	45196-45269 13:10:03	
GGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGG						
45565	45595	36588	46853	CDS product large tegument protein	45565-45595 5:02:01	
CCCATTGCCCGATTCTCCACCGACGACCCC						
45935	45948	36588	46853	CDS product large tegument protein	45935-45948 4:01:01	CCGACCGCCATTCC
46097	46149	36588	46853	CDS product large tegument protein	46097-46149 11:08:02	
CCTCAGCCGCCACCGCAAACCAGACGCCACCGCCTCAAGAACCCCCAGCACC						
47519	47538	47403	48230	CDS product nuclear egress membrane protein	47519-47538 4:01:01	GGAGATGCTGGCGAGGCTGG
47921	47935	47403	48230	CDS product nuclear egress membrane protein	47921-47935 4:01:01	GGGGGCGTTGGGGG
48098	48115	47403	48230	CDS product nuclear egress membrane protein	48098-48115 4:01:01	GGCTGGTAGGTGTTGGG
48819	48835	48763	50625	CDS product DNA packaging protein UL32	48819-48835 4:01:01	GGAGGCTGGCAGCCGG
49341	49369	48763	50625	CDS product DNA packaging protein UL32	49341-49369 4:01:01	
CCCCGCTGCGCCGCTCCGGGACGGCCCC						
49359	49404	48763	50625	CDS product DNA packaging protein UL32	49359-49404 10:07:02	
GGGACGGCCCCGCGGCAACGGCCATGGCCGGCCTCGGTATGGCGG						
49521	49570	48763	50625	CDS product DNA packaging protein UL32	49521-49570 11:08:02	
GGCAGACATGGAGCGGCAGGCCGGCGGATGGGGCGGTGGGGTGTTTGG						
49888	49911	48763	50625	CDS product DNA packaging protein UL32	49888-49911 4:01:01	GGGCCTGCGTGGAGGAGTATTGG
49985	50004	48763	50625	CDS product DNA packaging protein UL32	49985-50004 4:01:01	GGACACGGCCACGGGGCCGG

50217	50243	48763	50625	CDS product DNA packaging protein UL32	50217-50243 6:03:01
GGCGACTGCGGCGTGGGTGGCGGCGGG					
50379	50401	48763	50625	CDS product DNA packaging protein UL32	50379-50401 5:02:01 CCCATAGGCCCCCTCCAGAACC
51009	51043	50618	51598	CDS product nuclear egress lamina protein	51009-51043 7:04:01
CCCAACCTGCACCGTTTCCGGCGAGCCTCGCCTCC					
51140	51171	50618	51598	CDS product nuclear egress lamina protein	51140-51171 6:03:01
CCGCCCAGGGGGACCAGGCCGGCGTTGCCGCC					
51147	51161	50618	51598	CDS product nuclear egress lamina protein	51147-51161 4:01:01 GGGGGACCAGGCCGG
51372	51389	50618	51598	CDS product nuclear egress lamina protein	51372-51389 4:01:01 CCTACTGGCCGCCTGCCC
51800	51831	51522	55184	CDS product DNA polymerase catalytic subunit	51800-51831 6:03:01
GAAACATAGGTCGGGTCTTCGGCGAGGTCGG					
51852	51894	51522	55184	CDS product DNA polymerase catalytic subunit	51852-51894 8:05:02
GGTTGGGGCGTGCGGTCTTGTTACCACGGGGTTTTGGGCGG					
52022	52037	51522	55184	CDS product DNA polymerase catalytic subunit	52022-52037 4:01:01 GGTGAGGTGCGGCAGG
52213	52238	51522	55184	CDS product DNA polymerase catalytic subunit	52213-52238 5:02:01
CCTCTGCTGCCGCCGTGGCCACATCC					
52462	52481	51522	55184	CDS product DNA polymerase catalytic subunit	52462-52481 5:02:01
CCCCCAGCTCCGATACCCCC					
52544	52565	51522	55184	CDS product DNA polymerase catalytic subunit	52544-52565 4:01:01
GGAGTAAGGCTTGTGGTTTCGG					
52704	52733	51522	55184	CDS product DNA polymerase catalytic subunit	52704-52733 6:03:01
CCGTTTGCCACCCCGTGAATCCGTAAACC					
52790	52805	51522	55184	CDS product DNA polymerase catalytic subunit	52790-52805 4:01:01 GGGGGTGCTGGTGGGG

53080	53131	51522	55184	CDS product DNA polymerase catalytic subunit	53080-53131	9:06:02
CCTTTGCTCCCTGGTAGCCACGGCCCTCCCGACGCCGGGCTTCCCGCCTCC						
53164	53182	51522	55184	CDS product DNA polymerase catalytic subunit	53164-53182	4:01:01
CCGGGGTACCGTCCACACC						
53395	53411	51522	55184	CDS product DNA polymerase catalytic subunit	53395-53411	4:01:01
CCACCGCCGATAGTTCC						
53442	53459	51522	55184	CDS product DNA polymerase catalytic subunit	53442-53459	4:01:01
CCCACCAGCCTAGAGTCC						
53475	53504	51522	55184	CDS product DNA polymerase catalytic subunit	53475-53504	5:02:01
CCTATTACGCCCTCCGGTCAGGCCCTCCC						
54014	54041	51522	55184	CDS product DNA polymerase catalytic subunit	54014-54041	4:01:01
GGAGATCTGGATGACCAGGTCCTCTTGG						
54138	54160	51522	55184	CDS product DNA polymerase catalytic subunit	54138-54160	4:01:01
GGTATCGGCTCCAGGTTATCGGG						
54232	54251	51522	55184	CDS product DNA polymerase catalytic subunit	54232-54251	4:01:01
GGGTGCCGGGTCGCAGGCGG						
54367	54381	51522	55184	CDS product DNA polymerase catalytic subunit	54367-54381	4:01:01 GGCGGCTGCTGGAGG
54480	54508	51522	55184	CDS product DNA polymerase catalytic subunit	54480-54508	8:05:02
CCGCCCCACCATCCCCCGCGCTGCCGCC						
54519	54542	51522	55184	CDS product DNA polymerase catalytic subunit	54519-54542	5:02:01
CCGCCGTTGCCATTTCCAGGGCC						
54622	54638	51522	55184	CDS product DNA polymerase catalytic subunit	54622-54638	5:02:01
CCACCTCCGCCTTTGCC						

54831	54889	51522	55184	CDS product DNA polymerase catalytic subunit	54831-54889 10:07:02
CCATCGCCCCGAAAATCCTGGCCGTTCCAAACCCGAATCCTGCGAGGCCAGCAACCTCC					
54979	54990	51522	55184	CDS product DNA polymerase catalytic subunit	54979-54990 4:01:01 GGTCGGCGGGG
55665	55682	55453	59082	CDS product single-stranded DNA-binding protein	55665-55682 4:01:01
GGACTGGGTGGTACTGGG					
55737	55753	55453	59082	CDS product single-stranded DNA-binding protein	55737-55753 4:01:01
GGAGGCTCGGTCATCGG					
55768	55782	55453	59082	CDS product single-stranded DNA-binding protein	55768-55782 4:01:01 CCCCCAACCTCACCC
55889	55907	55453	59082	CDS product single-stranded DNA-binding protein	55889-55907 4:01:01
CCTGTCTCCGAGACCACC					
56177	56193	55453	59082	CDS product single-stranded DNA-binding protein	56177-56193 4:01:01
GGGTCCGGCGGCTGTGG					
56229	56250	55453	59082	CDS product single-stranded DNA-binding protein	56229-56250 4:01:01
GGAGCGGCCACCTGGCCTTG					
56315	56338	55453	59082	CDS product single-stranded DNA-binding protein	56315-56338 4:01:01
GGGAAACGCCGCAAGGGTTCGGG					
56571	56589	55453	59082	CDS product single-stranded DNA-binding protein	56571-56589 4:01:01
GGACTGGTAGGAGCCATGG					
56634	56659	55453	59082	CDS product single-stranded DNA-binding protein	56634-56659 6:03:01
GGGGCCCCGGCAGACGGAAGGATGG					
56667	56702	55453	59082	CDS product single-stranded DNA-binding protein	56667-56702 8:05:02
CCTTCCTACCACGCTTCTACCTAATAGCCGCCCC					
57262	57284	55453	59082	CDS product single-stranded DNA-binding protein	57262-57284 5:02:01

CCAGCCCCTGCTCAGCCCCACC					
57708	57728	55453	59082	CDS product single-stranded DNA-binding protein	57708-57728 5:02:01
CCCGCCTCTGAGCCGCCACC					
57838	57869	55453	59082	CDS product single-stranded DNA-binding protein	57838-57869 5:02:01
CCAGAGCCAGGGTGGCCGGCATGGCCAGCGCC					
57847	57861	55453	59082	CDS product single-stranded DNA-binding protein	57847-57861 4:01:01 GGTGGCCGGCATGG
57944	57968	55453	59082	CDS product single-stranded DNA-binding protein	57944-57968 4:01:01
CCTCTTCCCCGGGACACCCCCC					
58003	58027	55453	59082	CDS product single-stranded DNA-binding protein	58003-58027 4:01:01
CCCTGCTCCAGCGCAACCAGATGCC					
58475	58504	55453	59082	CDS product single-stranded DNA-binding protein	58475-58504 6:03:01
GGCAGGCAACTGGAACGGTCTCAACGGTGG					
58586	58608	55453	59082	CDS product single-stranded DNA-binding protein	58586-58608 6:03:01
GGCCGGGGGATTGGCACGGGGG					
58815	58848	55453	59082	CDS product single-stranded DNA-binding protein	58815-58848 6:03:01
GGAGAGTGGAGCGTGGAGGCTGCCCAGGAGCTGG					
58962	58977	55453	59082	CDS product single-stranded DNA-binding protein	58962-58977 4:01:01 GGTGGCCTGGCCATGG
59790	59815	59243	61570	CDS product DNA packaging terminase subunit 2	59790-59815 4:01:01
GGGCAGCGGCATAGTGGTACCCCCGG					
59826	59844	59243	61570	CDS product DNA packaging terminase subunit 2	59826-59844 4:01:01
CCCCACCATCCCTGCTCC					
60008	60051	59243	61570	CDS product DNA packaging terminase subunit 2	60008-60051 8:05:02
GGCGCGGGCGGCGGAAGCGGCTCTCAGGGCCTCGAGGCCAGG					

60565	60583	59243	61570	CDS product DNA packaging terminase subunit 2	60565-60583	4:01:01
GGGGCCGGCGAGTTGGGGG						
61468	61492	59243	61570	CDS product DNA packaging terminase subunit 2	61468-61492	5:02:01
GGGGCAATTGGCGCGGAGACGGTGG						
61591	61603	61432	64374	CDS product envelope glycoprotein B	61591-61603	4:01:01 CCACCCCCACCC
61684	61708	61432	64374	CDS product envelope glycoprotein B	61684-61708	6:03:01 CCGTACCCACCACGCCAAGCCCCC
61846	61871	61432	64374	CDS product envelope glycoprotein B	61846-61871	7:04:01 CCTGCCCACCGCTACCGGATCCACC
62068	62088	61432	64374	CDS product envelope glycoprotein B	62068-62088	5:02:01 GGGTTCCGGTTTCGGTGGAGG
62226	62252	61432	64374	CDS product envelope glycoprotein B	62226-62252	5:02:01 CCGGGGGCCAGAGCCTGGCAGACCACC
62273	62291	61432	64374	CDS product envelope glycoprotein B	62273-62291	4:01:01 GGGGTGGATGCCATGGAGG
62327	62342	61432	64374	CDS product envelope glycoprotein B	62327-62342	5:02:01 GGAGGTGGAGGCGCGG
62344	62378	61432	64374	CDS product envelope glycoprotein B	62344-62378	6:03:01
CCGTCTACCCCTACGACTCCTTCGCCCTGTCCACC						
63009	63027	61432	64374	CDS product envelope glycoprotein B	63009-63027	4:01:01 CCAGAACCTCAGCCAACCC
63080	63094	61432	64374	CDS product envelope glycoprotein B	63080-63094	4:01:01 GGAGGCAACGGCAGG
63097	63119	61432	64374	CDS product envelope glycoprotein B	63097-63119	4:01:01 CCGATTCTTCCAACGTCACCGCC
63290	63315	61432	64374	CDS product envelope glycoprotein B	63290-63315	4:01:01 CCCGAGCGCCATAGTCTCCGCAACCC
63727	63748	61432	64374	CDS product envelope glycoprotein B	63727-63748	4:01:01 GGGCTGAGCTGGAGGACACCGG
63875	63904	61432	64374	CDS product envelope glycoprotein B	63875-63904	6:03:01
GGGCCTGGGTAAAGTGGGGAGGCCGTGGG						
64214	64236	61432	64374	CDS product envelope glycoprotein B	64214-64236	4:01:01 GGTTCGGCCCTGAAAAAGCAGG
64599	64645	64578	65060	CDS product protein V32	64599-64645	7:04:01
CCACAGCTACCGGTGATGCCACGCCGAGCCGCGGTTTCCCCAGCC						

64991	65010	64578	65060	CDS product protein V32	64991-65010 4:01:01 CCCGACACGCCCACCGCCCC
65211	65228	65153	66142	CDS product capsid scaffold protein	65211-65228 4:01:01 GGCCGGTGGACGCACTGG
65372	65397	65153	66142	CDS product capsid scaffold protein	65372-65397 4:01:01 GGGGCTTCCCCGGCTGGACCTGTGG
65412	65445	65153	66142	CDS product capsid scaffold protein	65412-65445 5:02:01
GGGTTGGCTGAGAGGGGATTCCCGGTAGCTGCGG					
65504	65523	65153	66142	CDS product capsid scaffold protein	65504-65523 5:02:01 GGAGGAACGGCTGGTATGGG
65540	65567	65153	66142	CDS product capsid scaffold protein	65540-65567 5:02:01 GTGCGGCTTGGGGCTGCGCGGTCACGG
65613	65629	65153	66142	CDS product capsid scaffold protein	65613-65629 4:01:01 CCGCCCCATTAGATCC
65635	65654	65153	66142	CDS product capsid scaffold protein	65635-65654 5:02:01 GTGGTGGACGGGCGCCCGG
66385	66407	65153	67093	CDS product capsid maturation protease	66385-66407 4:01:01 CCCCTCTATGCCAGCTCTCTCC
66502	66520	65153	67093	CDS product capsid maturation protease	66502-66520 4:01:01 CCACGTGGCCGCGTCCCCC
66693	66713	65153	67093	CDS product capsid maturation protease	66693-66713 4:01:01 CCTCGTCCGGCCCAAGGCGCC
66903	66921	65153	67093	CDS product capsid maturation protease	66903-66921 4:01:01 CCTCCCCAACCACACACC
67680	67695	67212	68975	CDS product DNA packaging tegument protein UL25	67680-67695 4:01:01 CCCCCGCTCGCCCCC
67946	67968	67212	68975	CDS product DNA packaging tegument protein UL25	67946-67968 4:01:01
GGGTCCGACGGCGGTGCTCGTGG					
68061	68071	67212	68975	CDS product DNA packaging tegument protein UL25	68061-68071 4:01:01 CCCCCTCCTCC
68120	68153	67212	68975	CDS product DNA packaging tegument protein UL25	68120-68153 6:03:01
CCCGACCTTTCCGAGCGTTCCGTCTCCGAGTGCC					
68234	68255	67212	68975	CDS product DNA packaging tegument protein UL25	68234-68255 4:01:01
GGCGGATGGGCTAAATGGAGG					
68392	68405	67212	68975	CDS product DNA packaging tegument protein UL25	68392-68405 4:01:01 CCACCGGCGCTCC
68435	68468	67212	68975	CDS product DNA packaging tegument protein UL25	68435-68468 6:03:01

CCAGGTGCCGAATACCACCCCGTTTGAGCCGCC					
68617	68634	67212	68975	CDS product DNA packaging tegument protein UL25	68617-68634 4:01:01
GGGGCGTGGCGGCGTCGG					
68771	68796	67212	68975	CDS product DNA packaging tegument protein UL25	68771-68796 5:02:01
GGCCGCTGCGGCGGCTCTATGGCGGG					
69273	69295	69079	69897	CDS product nuclear protein UL24	69273-69295 4:01:01 GGCTTTGGCCTTGTTTCCTTTGG
69954	69971	69910	70968	CDS product thymidine kinase	69954-69971 4:01:01 GGGGCGCCGGTCAGGCGG
70211	70242	69910	70968	CDS product thymidine kinase	70211-70242 6:03:01 CCAGAGCCGCTTTACCACGCCCTACCTTATCC
70322	70343	69910	70968	CDS product thymidine kinase	70322-70343 5:02:01 CCGCCACCCAGTCGCCTCTGCC
70402	70429	69910	70968	CDS product thymidine kinase	70402-70429 5:02:01 CCATGGTTGCCACCCTACCCAGGGAACC
70590	70617	69910	70968	CDS product thymidine kinase	70590-70617 5:02:01 GGGAGAGTATGGCGCGACGGCTGGGGGG
71266	71282	71192	73738	CDS product envelope glycoprotein H	71266-71282 4:01:01 CCCGTCCCAGCCACTCC
71479	71537	71192	73738	CDS product envelope glycoprotein H	71479-71537 9:06:02
CCTCCGCAACACCAACCCTGTGTCGCCAACGGGCCGGAACCTGGGGACCCACGCGGGCC					
72140	72157	71192	73738	CDS product envelope glycoprotein H	72140-72157 4:01:01 GGATCTCCAGGGAGGTGG
72381	72400	71192	73738	CDS product envelope glycoprotein H	72381-72400 5:02:01 CCTCCGCCTCATTGTCCCCC
72609	72627	71192	73738	CDS product envelope glycoprotein H	72609-72627 4:01:01 GGTGGCCTTAGCGGACCGG
72751	72772	71192	73738	CDS product envelope glycoprotein H	72751-72772 4:01:01 CCCGAGCCAGGCGCGCCCGCCC
73577	73599	71192	73738	CDS product envelope glycoprotein H	73577-73599 4:01:01 CCGCCTTCGCGTCCTATTCGTCC
74804	74825	74632	76224	CDS product tegument protein UL21	74804-74825 5:02:01 CCTGCGCCGTCCTCCGATTCC
74988	75004	74632	76224	CDS product tegument protein UL21	74988-75004 4:01:01 GGGATCGGTGGGTGGG
75075	75101	74632	76224	CDS product tegument protein UL21	75075-75101 5:02:01 GGCCACCAGGTGTGGGTCTGGGAGGGG
75453	75477	74632	76224	CDS product tegument protein UL21	75453-75477 4:01:01 GGGCTTTGGAATCAGGCGCACCTGG

75673	75690	74632	76224	CDS product tegument protein UL21
75910	75933	74632	76224	CDS product tegument protein UL21
76095	76115	74632	76224	CDS product tegument protein UL21
76997	77026	76793	77512	CDS product envelope protein UL20
CCCACGTCGTCCTGTTTGCCATTCTGCCC				
78103	78129	77703	81833	CDS product major capsid protein
78465	78478	77703	81833	CDS product major capsid protein
78853	78876	77703	81833	CDS product major capsid protein
78929	78941	77703	81833	CDS product major capsid protein
78971	79015	77703	81833	CDS product major capsid protein
CCAACCCCGGACAGCCAGACCCTCGCACCTACCCACCCCAAACC				
79173	79186	77703	81833	CDS product major capsid protein
79444	79461	77703	81833	CDS product major capsid protein
79815	79840	77703	81833	CDS product major capsid protein
79886	79902	77703	81833	CDS product major capsid protein
79935	79985	77703	81833	CDS product major capsid protein
GGGCCGACATGGGCAGGGCCAGGGCTCAGGAGCTATGGGTGGATGGGGTGG				
80030	80051	77703	81833	CDS product major capsid protein
80089	80112	77703	81833	CDS product major capsid protein
80245	80255	77703	81833	CDS product major capsid protein
80262	80316	77703	81833	CDS product major capsid protein
CCCCAACCAGCCCCAGCGACCCGCGCCATCCGCTGAACCCACGCCACCTAGTGCC				
80346	80372	77703	81833	CDS product major capsid protein

75673-75690	4:01:01	GGGGGCAACTCGGTTAGG
75910-75933	4:01:01	CCAAAGGCCTGGGCGCCCTGGGCC
76095-76115	4:01:01	GGCCGTGGCATGGGGTCTAGG
76997-77026	4:01:01	
78103-78129	5:02:01	GGCAGAGGCCCTGGGCCTTATCGGGGG
78465-78478	4:01:01	CCCCCTCCGTCGCC
78853-78876	4:01:01	CCAGGCGACCAACGTTCCGTACCC
78929-78941	4:01:01	CCGGCCACCGACC
78971-79015	9:06:02	
79173-79186	4:01:01	CCCTACCCCCAGCC
79444-79461	5:02:01	CCCCCTCCCCCTATGTCC
79815-79840	4:01:01	CCGAGTACACCGTTCCCGGAGAAGCC
79886-79902	4:01:01	CCGGCCCTGCTACCGCC
79935-79985	9:06:02	
80030-80051	4:01:01	GGAAACACCGGCGGCCATTG
80089-80112	4:01:01	CCCGATTGTACCTCACCACGACCC
80245-80255	4:01:01	GGGGGCGGAGG
80262-80316	10:07:02	
80346-80372	4:01:01	CCAGAGTGGCCGTCGACACCGACGCCC

80454	80464	77703	81833	CDS product major capsid protein	80454-80464 4:01:01	CCGCCACCGCC
80953	80966	77703	81833	CDS product major capsid protein	80953-80966 4:01:01	GGCGGTTGGGGGGG
81001	81015	77703	81833	CDS product major capsid protein	81001-81015 4:01:01	GGAATTGGGGGTGG
81021	81040	77703	81833	CDS product major capsid protein	81021-81040 5:02:01	CCGCCGCTACGCAGCCGCC
81169	81192	77703	81833	CDS product major capsid protein	81169-81192 4:01:01	CCTTGGGCCCCAGGGCCAAGGCC
81234	81250	77703	81833	CDS product major capsid protein	81234-81250 4:01:01	CCCACGGCCAGGCCGCC
81401	81432	77703	81833	CDS product major capsid protein	81401-81432 7:04:01	
CCGGCCTACCCGAGCCGCGCCACCGTTAACCC						
81647	81665	77703	81833	CDS product major capsid protein	81647-81665 4:01:01	GGCTCGACGGACCTGGTGG
82111	82142	82083	83027	CDS product capsid triplex subunit 2	82111-82142 5:02:01	
CCTACTGCCCAGTGACCTATCTCCCGCTGACC						
82664	82682	82083	83027	CDS product capsid triplex subunit 2	82664-82682 4:01:01	GGCGTGGCGGGTCTCTGG
82739	82763	82083	83027	CDS product capsid triplex subunit 2	82739-82763 4:01:01	
CCAAACCTGCTCACCTGGGAACCC						
82819	82851	82083	83027	CDS product capsid triplex subunit 2	82819-82851 6:03:01	
CCAGCTCGTCCACCAGCAGCCCGTGCCCAACC						
82922	82939	82083	83027	CDS product capsid triplex subunit 2	82922-82939 4:01:01	GGTGACGTGGTCGGTGGG
83180	83196	83148	88917	CDS product DNA packaging terminase subunit 1	83180-83196 5:02:01	
GGTTGGCGGGAGGCTGG						
83209	83225	83148	88917	CDS product DNA packaging terminase subunit 1	83209-83225 4:01:01	
CCATCACCAGGGCCACC						
83776	83795	83148	88917	CDS product DNA packaging terminase subunit 1	83776-83795 4:01:01	
CCACACCGGTTCTGAAGCC						

84414	84446	83148	88917	CDS product DNA packaging terminase subunit 1	84414-84446 6:03:01
CCGGCTACCCTGTTCCATACCTCCCGGCGCACC					
84755	84777	84480	86600	CDS product DNA packaging tegument protein UL17	84755-84777 4:01:01
CCGACAGTTCAGCGGACCACCC					
85021	85045	84480	86600	CDS product DNA packaging tegument protein UL17	85021-85045 4:01:01
CCACCCACAGTTTCCCAGAGCGCC					
85481	85504	84480	86600	CDS product DNA packaging tegument protein UL17	85481-85504 4:01:01
CCCCCTCAGGGACCCAGGAGCCCC					
85566	85583	84480	86600	CDS product DNA packaging tegument protein UL17	85566-85583 4:01:01
CCAACCCGCTCACCCCCC					
85603	85618	84480	86600	CDS product DNA packaging tegument protein UL17	85603-85618 4:01:01 CCACGCCGCCGTGGCC
85734	85748	84480	86600	CDS product DNA packaging tegument protein UL17	85734-85748 4:01:01 GGGGGGTCGGAGGG
85767	85786	84480	86600	CDS product DNA packaging tegument protein UL17	85767-85786 4:01:01
CCGGGTCCATCAACCCCCC					
85795	85817	84480	86600	CDS product DNA packaging tegument protein UL17	85795-85817 5:02:01
GGCGTGTGTGGCGCCGGTGTGG					
85901	85915	84480	86600	CDS product DNA packaging tegument protein UL17	85901-85915 4:01:01 CCGCCGCCGTGGCC
86251	86264	84480	86600	CDS product DNA packaging tegument protein UL17	86251-86264 5:02:01 GGCGGGGGGGCGG
86665	86695	86620	87732	CDS product tegument protein UL16	86665-86695 6:03:01
CCGCGTCGTCCCCCAACCGCCAATAACCCC					
86826	86864	86620	87732	CDS product tegument protein UL16	86826-86864 8:05:02
CCTCCCCGCCCCAAGCTACCCACACCGCCAAGTGCGCC					
86985	87017	86620	87732	CDS product tegument protein UL16	86985-87017 5:02:01

CCCTTTCCCGTAGGCACCCAGAGATTCCGCGCC					
87048	87067	86620	87732	CDS product tegument protein UL16	87048-87067 4:01:01 CCGTCCGACATCCCTGACCC
87170	87188	86620	87732	CDS product tegument protein UL16	87170-87188 4:01:01 GGCTCCTGGCGTCTGGTGG
87251	87278	86620	87732	CDS product tegument protein UL16	87251-87278 5:02:01 GGCTGGATGGAAAGCCAGGGGTCTGGGG
87554	87577	86620	87732	CDS product tegument protein UL16	87554-87577 4:01:01 GGTTGTGGGGATTGGCCGCACGG
87603	87618	86620	87732	CDS product tegument protein UL16	87603-87618 4:01:01 GGATGGAAACTGGTGG
88443	88473	83148	88917	CDS product DNA packaging terminase subunit 1	88443-88473 5:02:01
GGCTACTTGGTGAAAGGCGTCTGAGGAGCGG					
88568	88608	83148	88917	CDS product DNA packaging terminase subunit 1	88568-88608 6:03:01
CCTGTCGCACCTTGGGGTCCACATAAGCCTCCACGGAGGCC					
88732	88763	83148	88917	CDS product DNA packaging terminase subunit 1	88732-88763 6:03:01
GGAACGACGGTCTGGTGGCGCTGGGGAGTAGG					
88892	88910	83148	88917	CDS product DNA packaging terminase subunit 1	88892-88910 4:01:01
CCCTGCCCAGCACCTACC					
88957	88978	88947	89900	CDS product tegument protein UL14	88957-88978 4:01:01 GGCACGGTCTAGGCGCCAGAGG
89336	89355	88947	89900	CDS product tegument protein UL14	89336-89355 6:03:01 GGAGGAGCGGTGAGGTCCG
89452	89484	88947	89900	CDS product tegument protein UL14	89452-89484 5:02:01
CCCTCATTCTCCCCGCTCAACCTGTCCCGCCCC					
90052	90076	89369	91153	CDS product tegument serine/threonine protein kinase	90052-90076 5:02:01
GGAGGCGCCGGTAGCTATGGAGAGG					
90312	90325	89369	91153	CDS product tegument serine/threonine protein kinase	90312-90325 4:01:01
CCCTCCCTCCGTCC					
90882	90906	89369	91153	CDS product tegument serine/threonine protein kinase	90882-90906 6:03:01

CCCTGCCCTATTTCCCACCACCCCC					
91051	91065	89369	91153	CDS product tegument serine/threonine protein kinase	91051-91065 4:01:01
CCGTCCGCCTTTACC					
91472	91510	91135	92832	CDS product deoxyribonuclease	91472-91510 6:03:01
GGTAGGAGAGATGGAGCTAGAGGGGATCGTGAACGCGG					
91544	91561	91135	92832	CDS product deoxyribonuclease	91544-91561 4:01:01 GGCTGGCTTTGTGGCCGG
91889	91906	91135	92832	CDS product deoxyribonuclease	91889-91906 4:01:01 GGTGGATCCTGGATGCGG
92428	92460	91135	92832	CDS product deoxyribonuclease	92428-92460 5:02:01
GGGACACAGGAGTTGGCGCTGTCGGTTCCGG					
92521	92538	91135	92832	CDS product deoxyribonuclease	92521-92538 4:01:01 CCGGCCATTTTCCCACC
92702	92730	91135	92832	CDS product deoxyribonuclease	92702-92730 4:01:01 GGTGATTGTGGACCGCGAGGGTTGCTGGG
92903	92929	92784	93008	CDS product myristylated tegument protein	92903-92929 7:04:01
CCCCACCCCCACCTCTCCCGAAACCC					
93452	93468	93120	94472	CDS product envelope glycoprotein M	93452-93468 4:01:01 GGCTTTGGATGCGGTGG
93477	93503	93120	94472	CDS product envelope glycoprotein M	93477-93503 5:02:01 GGGGCCTGGACGGAACCATGGCATGG
93775	93794	93120	94472	CDS product envelope glycoprotein M	93775-93794 4:01:01 CCGCGCGTCCGGGTCCGGCC
93925	93941	93120	94472	CDS product envelope glycoprotein M	93925-93941 4:01:01 CCGCCCCCAGGACTGCC
94031	94062	93120	94472	CDS product envelope glycoprotein M	94031-94062 5:02:01
GGTCGTTGGCCGGGTGCACCCGGCCACCGCGG					
94040	94058	93120	94472	CDS product envelope glycoprotein M	94040-94058 4:01:01 CCGGGTGCACCCGGCCACC
94217	94238	93120	94472	CDS product envelope glycoprotein M	94217-94238 4:01:01 CCGCATCCACACTCCATCGACC
94496	94513	94390	97053	CDS product DNA replication origin-binding helicase	94496-94513 4:01:01
GGGCGGCAGAGCGGAAGG					

94578	94599	94390	97053	CDS product DNA replication origin-binding helicase	94578-94599 4:01:01
GGGGGCGACCTGGAAGAGTGGG					
94659	94679	94390	97053	CDS product DNA replication origin-binding helicase	94659-94679 5:02:01
CCTCCGCCCAACAACCCGTCC					
95120	95146	94390	97053	CDS product DNA replication origin-binding helicase	95120-95146 5:02:01
GGTGGATTCTTGGCTTCGGCGCGCGG					
95283	95304	94390	97053	CDS product DNA replication origin-binding helicase	95283-95304 4:01:01
GGAACCAAGGTTATGGAGACGG					
95765	95778	94390	97053	CDS product DNA replication origin-binding helicase	95765-95778 4:01:01
GGGTGGGTGGCCGG					
96257	96288	94390	97053	CDS product DNA replication origin-binding helicase	96257-96288 6:03:01
CCTGGGCGCCTGCCTGCGCCTCCCAGCGGCC					
96474	96498	94390	97053	CDS product DNA replication origin-binding helicase	96474-96498 5:02:01
GGGGGTCCGGGCTGGACATGTCCG					
97012	97032	94390	97053	CDS product DNA replication origin-binding helicase	97012-97032 4:01:01
GGCCACAGGTTTACGGAGCGG					
97317	97342	97069	99324	CDS product helicase-primase subunit	97317-97342 4:01:01
GGGTGCTGGCCCCTGGCTCCCCTGGG					
97371	97386	97069	99324	CDS product helicase-primase subunit	97371-97386 4:01:01 GGTGGCATAACGGCGG
97468	97481	97069	99324	CDS product helicase-primase subunit	97468-97481 4:01:01 CCCTCCGACCCGCC
97490	97504	97069	99324	CDS product helicase-primase subunit	97490-97504 4:01:01 GGGTGAAGGCGGTGG
97544	97570	97069	99324	CDS product helicase-primase subunit	97544-97570 5:02:01
GGTGGAGGTAGACTTGACCCAGCGGG					

98112	98131	97069	99324	CDS product helicase-primase subunit	98112-98131	4:01:01	GGGCTGTGGCCGGCTCTAGG
98153	98225	97069	99324	CDS product helicase-primase subunit	98153-98225	13:10:03	
GGCTCCATGGGACCCGGAAGACAGGTGGCCCGGTGAATCGGAGGCCAAAACGGGTAGAGGGGGCGGTACACAGG							
98235	98265	97069	99324	CDS product helicase-primase subunit	98235-98265	6:03:01	
GGTACCGAGGATGATTGGGGGGCTGGGCGGG							
98471	98504	97069	99324	CDS product helicase-primase subunit	98471-98504	5:02:01	
CCCCGTAGCCTATAGGTCCATCATAGCCCTATCC							
98577	98596	97069	99324	CDS product helicase-primase subunit	98577-98596	4:01:01	GGCTTTTGGGGGGCAGCCGG
99558	99583	99421	100332	CDS product tegument protein UL7	99558-99583	5:02:01	GGGGCAGGGGTGATGGGTCTTTTGG
99695	99715	99421	100332	CDS product tegument protein UL7	99695-99715	4:01:01	GGTCAAAGGGGTTGTGGTTGG
100067	100082	99421	100332	CDS product tegument protein UL7	100067-100082	4:01:01	CCGAGCCCTCCTGTCC
100143	100169	99421	100332	CDS product tegument protein UL7	100143-100169	6:03:01	
GGTCGTGAAGGAGGGGGGTAGGCCTGG							
100803	100827	100130	102391	CDS product capsid portal protein	100803-100827	5:02:01	
CCTCGTGCCCGAGTCCTCCCGCGCC							
100882	100897	100130	102391	CDS product capsid portal protein	100882-100897	4:01:01	CCCGTCTGCCGCCGCC
101024	101046	100130	102391	CDS product capsid portal protein	101024-101046	4:01:01	CCCTCCAACATCCCGTTAATGCC
101307	101362	100130	102391	CDS product capsid portal protein	101307-101362	10:07:02	
CCACGGCCTTGAGAGCCACCCAGGGCCCTGGGCCTCGTCCTTTTCCTGCCACC							
101605	101627	100130	102391	CDS product capsid portal protein	101605-101627	4:01:01	GGCCACGCTGGCGGTGCACCTGG
101623	101653	100130	102391	CDS product capsid portal protein	101623-101653	7:04:01	
CCTGGCCAGCTCCACCACGGCCTCCAACCCC							
101759	101780	100130	102391	CDS product capsid portal protein	101759-101780	5:02:01	GGGTGGACGGTCGCGCCGGGGG

101839	101873	100130	102391	CDS product capsid portal protein	101839-101873	6:03:01	
GGCAAAGCTGGCGGTGCCGTCGGGTTGCTGGCGG							
102900	102915	102375	105020	CDS product helicase-primase helicase subunit	102900-102915	4:01:01	
CCTCGAGCCCGCCTCC							
103831	103859	102375	105020	CDS product helicase-primase helicase subunit	103831-103859	5:02:01	
GGAACACGGAGTAGTGGTGGCCAGAACGG							
104078	104120	102375	105020	CDS product helicase-primase helicase subunit	104078-104120	8:05:02	
GGGCTGGACGAGGGGAGGGTCCGGGAGGCGTACAGGCGCATGG							
104722	104762	102375	105020	CDS product helicase-primase helicase subunit	104722-104762	7:04:01	
GGAGTCGGTGGACGACGTGGAGCTGGACATGGCCACCGCGG							
105341	105353	105070	105747	CDS product nuclear protein UL4	105341-105353	4:01:01	CCCCCTGACCACC
105356	105375	105070	105747	CDS product nuclear protein UL4	105356-105375	5:02:01	GGACGGGTCGGTACTGGTGG
105547	105581	105070	105747	CDS product nuclear protein UL4	105547-105581	7:04:01	
CCGTATGTTCCACCGCTGCCATAACCGACGCCTCC							
105684	105711	105070	105747	CDS product nuclear protein UL4	105684-105711	4:01:01	GGTACCAACGGAGCCTCGGCGTTGCTGG
105714	105734	105070	105747	CDS product nuclear protein UL4	105714-105734	4:01:01	CCGTGTTTTCCCTGCCTTTCC
105986	106004	105877	106416	CDS product protein V57	105986-106004	4:01:01	CCTCGCCGCGGCTGCCGCC
106136	106205	105877	106416	CDS product protein V57	106136-106205	11:08:02	
CCATGGCCAGGGCCCGAGCGTTCAGAAAGCCTCTCCGAGAGGGCCAGCTGTCCGTCGCCACCCGCCCC							
106323	106347	105877	106416	CDS product protein V57	106323-106347	6:03:01	GGCGGCAAGCTTGGCGGCGGCCCGG
106768	106787	106478	107116	CDS product nuclear protein UL3	106768-106787	4:01:01	GGAGAACGAGGAGGTTTTGG
106945	106965	106478	107116	CDS product nuclear protein UL3	106945-106965	4:01:01	GGATTCCACGGAAGGTCGGG
106976	106994	106478	107116	CDS product nuclear protein UL3	106976-106994	4:01:01	GGGGTTGGGGTGAAGTGG

107014	107025	106478	107116	CDS product nuclear protein UL3
107077	107088	106478	107116	CDS product nuclear protein UL3
107350	107374	107206	108144	CDS product uracil-DNA glycosylase
GGGGAGCAGGACTTCTGGGCGTGGG				
107429	107454	107206	108144	CDS product uracil-DNA glycosylase
CCGCCCTGACCAGCCTGTGCCACCCC				
107518	107546	107206	108144	CDS product uracil-DNA glycosylase
CCCTGTTCGCCCACCTTTCCAAAAACCC				
107660	107685	107206	108144	CDS product uracil-DNA glycosylase
GGCCCGGCGCGTGGTACGGATCCTGG				
110391	110421	110387	111985	CDS product ubiquitin E3 ligase ICP0
GGTTTCTCCGGTATCTTTGGCAGTTGTGGGG				
110528	110544	110387	111985	CDS product ubiquitin E3 ligase ICP0
110635	110656	110387	111985	CDS product ubiquitin E3 ligase ICP0
CCCACCAAATAGCCCTGCTCCC				
110849	110874	110387	111985	CDS product ubiquitin E3 ligase ICP0
GGTGCAACGGGTGGTCCCGGGGGGG				
110981	111001	110387	111985	CDS product ubiquitin E3 ligase ICP0
GGCTGATCGGTGGTATTCAGG				
111082	111106	110387	111985	CDS product ubiquitin E3 ligase ICP0
GGTGCGGGAGTTGGTTCTGGGCTGG				
111153	111177	110387	111985	CDS product ubiquitin E3 ligase ICP0
CCGGCCTTCTCCCCCGTCTGCGCCC				

107014-107025	4:01:01	GGGGGCTGGTGG
107077-107088	4:01:01	CCACCCCCACCC
107350-107374	4:01:01	
107429-107454	6:03:01	
107518-107546	6:03:01	
107660-107685	5:02:01	
110391-110421	4:01:01	
110528-110544	4:01:01	GGGTAGGGCACCGGGGG
110635-110656	4:01:01	
110849-110874	5:02:01	
110981-111001	4:01:01	
111082-111106	5:02:01	
111153-111177	5:02:01	

111181	111195	110387	111985	CDS product ubiquitin E3 ligase ICP0	111181-111195	4:01:01	GGTGGGTGGCCCCGG
111281	111301	110387	111985	CDS product ubiquitin E3 ligase ICP0	111281-111301	4:01:01	
GGGTCCGTTAGGTTGTTGGG							
111589	111610	110387	111985	CDS product ubiquitin E3 ligase ICP0	111589-111610	5:02:01	
CCTTTCGACCAGCCAGTCCACC							
114148	114181	114128	118591	CDS product transcriptional regulator ICP4	114148-114181	7:04:01	
CCAGTCTCCTCCGTCCTCGTCGTCGACACCACC							
114193	114238	114128	118591	CDS product transcriptional regulator ICP4	114193-114238	8:05:02	
GGGAGCGCGGCGGAGGGCCTGGGCCACGCCGGGCTCGGGCCGGG							
114246	114270	114128	118591	CDS product transcriptional regulator ICP4	114246-114270	5:02:01	
CCACCAGCTCCACATCGCCGGCCCC							
114350	114374	114128	118591	CDS product transcriptional regulator ICP4	114350-114374	4:01:01	
CCGAACCCGGGCTCCCAGTCGACCC							
114377	114408	114128	118591	CDS product transcriptional regulator ICP4	114377-114408	6:03:01	
GGGGCTCGGCGGCGGGAGCCTCGGTGATGG							
114417	114438	114128	118591	CDS product transcriptional regulator ICP4	114417-114438	4:01:01	
GGGGCTCGGCCTCGGCGTCGG							
114492	114525	114128	118591	CDS product transcriptional regulator ICP4	114492-114525	6:03:01	
CCGAGGGCTCCACGGCCCCAGCGCCGCGCCGCC							
114522	114544	114128	118591	CDS product transcriptional regulator ICP4	114522-114544	4:01:01	
GGCCGCAGGCGAGGTACACGGG							
114570	114586	114128	118591	CDS product transcriptional regulator ICP4	114570-114586	4:01:01	
GGTTGGCCGCGCGGTGG							

114614	114644	114128	118591	CDS product transcriptional regulator ICP4 GGGTCGTGGAACCCGAGGCCCTCGGCCTGGG	114614-114644	5:02:01	
114625	114663	114128	118591	CDS product transcriptional regulator ICP4 CCCAGGCCCTCGGCCTGGGCCGCATGTCCTGCAGCC	114625-114663	6:03:01	
114673	114691	114128	118591	CDS product transcriptional regulator ICP4 GGGCAGGACGCGCTGGCGG	114673-114691	4:01:01	
114751	114769	114128	118591	CDS product transcriptional regulator ICP4 GGCCACGTTGGAGGAGCGG	114751-114769	4:01:01	
114849	114894	114128	118591	CDS product transcriptional regulator ICP4 GGGTGCTGGAGGTGAGGACCGCGCGGCTGAGGTGGCGCTCCCGGG	114849-114894	8:05:02	
114968	114985	114128	118591	CDS product transcriptional regulator ICP4 CCGTCCTGGGGCCAATCC	114968-114985	4:01:01	
115024	115048	114128	118591	CDS product transcriptional regulator ICP4 GGCGGAGCCCAGGCGCAGGCAGAGG	115024-115048	5:02:01	
115063	115082	114128	118591	CDS product transcriptional regulator ICP4 GGTGAAGGCCAGGTCCCCGG	115063-115082	4:01:01	
115116	115151	114128	118591	CDS product transcriptional regulator ICP4 CCGAGACGTCCGGGGCCCCGGTCCAGTTGCCGGCCC	115116-115151	6:03:01	
115147	115190	114128	118591	CDS product transcriptional regulator ICP4 GGCCCAGGCGTGGGACCGCTTGGTGAGGATGCGGTTCCCCAGGG	115147-115190	7:04:01	
115183	115216	114128	118591	CDS product transcriptional regulator ICP4 CCCCAGGGCCGCGCAGCAGCGCGAGAGTCCCCC	115183-115216	6:03:01	
115255	115270	114128	118591	CDS product transcriptional regulator ICP4	115255-115270	4:01:01	GGGGCGGGAGGCCGGG

115266	115294	114128	118591	CDS product transcriptional regulator ICP4 CCGGGAGTCCGCCAGCAGGTCCTCGTCC	115266-115294	5:02:01	
115314	115330	114128	118591	CDS product transcriptional regulator ICP4 CCACCACCTTCACGTCC	115314-115330	4:01:01	
115379	115398	114128	118591	CDS product transcriptional regulator ICP4 CCGCTGGCCGCCAGTCCCC	115379-115398	4:01:01	
115409	115428	114128	118591	CDS product transcriptional regulator ICP4 CCGTCCCGGGCCGGGGGCC	115409-115428	4:01:01	
115437	115472	114128	118591	CDS product transcriptional regulator ICP4 GGGCCGCGATGGTGGCCAGGGCTGGGGATCGAAGG	115437-115472	6:03:01	
115481	115507	114128	118591	CDS product transcriptional regulator ICP4 GGGCGCCAGGCCTCGGGGAACAGCTGG	115481-115507	4:01:01	
115620	115679	114128	118591	CDS product transcriptional regulator ICP4 GGTCGGGGCCCTCGGCTGGCATGGGTCCCAGGGCCCGGGAGCCTGGTGGCCCCGGGTGG	115620-115679	11:08:02	
115646	115685	114128	118591	CDS product transcriptional regulator ICP4 CCCAGGGCCCGGGAGCCTGGTGGCCCGGGTGGCCACCC	115646-115685	6:03:01	
115693	115705	114128	118591	CDS product transcriptional regulator ICP4	115693-115705	4:01:01	GGGGCCCGGAGGG
115737	115796	114128	118591	CDS product transcriptional regulator ICP4 GGGCGGACGAGGAGAAGGAGGCCGAGGCTCCGGCCTGGGCCCGGGCTCCAGGGGCTCGG	115737-115796	11:08:02	
115758	115786	114128	118591	CDS product transcriptional regulator ICP4 CCGAGGCTCCGGCCTGGGCCGCCGGCTCC	115758-115786	6:03:01	
115801	115830	114128	118591	CDS product transcriptional regulator ICP4 CCGCTTGCCGCTCTTGCCCCTGGGGCGCCC	115801-115830	4:01:01	

115822	115843	114128	118591	CDS product transcriptional regulator ICP4 GGGGCGCCCGTGGATGGCACGG	115822-115843	4:01:01	
115875	115898	114128	118591	CDS product transcriptional regulator ICP4 GGCTGAGGTGGGCCGGGAGGCGG	115875-115898	6:03:01	
115962	115985	114128	118591	CDS product transcriptional regulator ICP4 GGGTGGCCCGGCAGCAGGTGGCGG	115962-115985	6:03:01	
115992	116007	114128	118591	CDS product transcriptional regulator ICP4	115992-116007	4:01:01	CCCCGGCGCCTCCGCC
116013	116047	114128	118591	CDS product transcriptional regulator ICP4 GGGAGTGCTGGGGGACTGGGAGTGGGACGAGGGG	116013-116047	6:03:01	
116068	116104	114128	118591	CDS product transcriptional regulator ICP4 GGGGACGGTGGGCCACAGGGCGGCAGGGTCTGAAGG	116068-116104	7:04:01	
116107	116127	114128	118591	CDS product transcriptional regulator ICP4 CCCCTCCGCGCCGCGGAGCC	116107-116127	4:01:01	
116116	116136	114128	118591	CDS product transcriptional regulator ICP4 GGCCGCGGAGCCGGAAGGG	116116-116136	4:01:01	
116146	116171	114128	118591	CDS product transcriptional regulator ICP4 GGGCGAGGACGATGAGGGCTGCTGGG	116146-116171	4:01:01	
116180	116201	114128	118591	CDS product transcriptional regulator ICP4 GGTGGGGCCAGCAGGGACACGG	116180-116201	4:01:01	
116202	116224	114128	118591	CDS product transcriptional regulator ICP4 CCTCCCCAACATCCCCCGACC	116202-116224	6:03:01	
116245	116291	114128	118591	CDS product transcriptional regulator ICP4 GGCCTGGGTGACGGTCCAGGCCGAGGCCGGGGCCCCCGCCCTCGG	116245-116291	8:05:02	

116260 116287 114128 118591 CDS product transcriptional regulator ICP4 CCAGGCCGAGGCCCGGGCCCGGGCCCC	116260-116287	6:03:01	
116304 116332 114128 118591 CDS product transcriptional regulator ICP4 CCAGCGGCGCCACGGTCCGGGCCACCACC	116304-116332	6:03:01	
116365 116386 114128 118591 CDS product transcriptional regulator ICP4 GGAGCCCAGGCGGTGGGTAGGG	116365-116386	5:02:01	
116394 116426 114128 118591 CDS product transcriptional regulator ICP4 CCCCGAGGAGCCTGGCCCGCTCGACCAGGTCCC	116394-116426	5:02:01	
116448 116467 114128 118591 CDS product transcriptional regulator ICP4 CCGCCGTCTCCAGCCCGGCC	116448-116467	5:02:01	
116488 116509 114128 118591 CDS product transcriptional regulator ICP4 GGGAGGGCAGGCGGGAGAGGGG	116488-116509	5:02:01	
116553 116567 114128 118591 CDS product transcriptional regulator ICP4	116553-116567	4:01:01	GGAGGCCGAGGAGGG
116626 116672 114128 118591 CDS product transcriptional regulator ICP4 GGCGGACGGCCTGGGCGCCCTGGTCCCCGAGCGGCCGCGGCCGCGG	116626-116672	9:06:02	
116635 116677 114128 118591 CDS product transcriptional regulator ICP4 CCTGGGCGCCCTGGTCCCCGAGCGGCCGCGGCCGCGGCAGCC	116635-116677	6:03:01	
116724 116754 114128 118591 CDS product transcriptional regulator ICP4 GGACGCGGACCGAGGGCGCCGGGGCCTCGGG	116724-116754	5:02:01	
116763 116810 114128 118591 CDS product transcriptional regulator ICP4 GGCTGGCCGCGGCAGCGCGGCCTGGGCCGGGTAGCCGCCACGGCGG	116763-116810	10:07:02	
116784 116803 114128 118591 CDS product transcriptional regulator ICP4 CCTGGGCCGGGTAGCCGGCC	116784-116803	4:01:01	

116820	116833	114128	118591	CDS product transcriptional regulator ICP4	116820-116833	4:01:01	CCGGCCTCCCCGCC
116863	116884	114128	118591	CDS product transcriptional regulator ICP4	116863-116884	5:02:01	
GGCGCGCCGGAGGCTCTGGAGG							
116913	116936	114128	118591	CDS product transcriptional regulator ICP4	116913-116936	5:02:01	
GGCGGCTCATGGCCACCGAGGCGG							
116965	116985	114128	118591	CDS product transcriptional regulator ICP4	116965-116985	4:01:01	
CCCGGCCGCCATGGCGTCCCC							
116991	117005	114128	118591	CDS product transcriptional regulator ICP4	116991-117005	4:01:01	GGGGCAGGGGGTTGG
117258	117291	114128	118591	CDS product transcriptional regulator ICP4	117258-117291	6:03:01	
CCCACAGCCCGTCCCGCGAGTCCCGGTCCCCC							
117321	117342	114128	118591	CDS product transcriptional regulator ICP4	117321-117342	4:01:01	
CCGACCCGGGCCAGGGGTCCCC							
117328	117350	114128	118591	CDS product transcriptional regulator ICP4	117328-117350	4:01:01	
GGGCCAGGGGTCCCCGACGGGG							
117393	117406	114128	118591	CDS product transcriptional regulator ICP4	117393-117406	4:01:01	CCGCCGCCGGGGCC
117420	117436	114128	118591	CDS product transcriptional regulator ICP4	117420-117436	4:01:01	
CCGCCGCCCGGTAGCC							
117479	117533	114128	118591	CDS product transcriptional regulator ICP4	117479-117533	9:06:02	
GGGGCCTCCTCGGCCGTGCCTGGGTCTGGGTCTGGGTATGGGTCTGGGGTTGG							
117483	117499	114128	118591	CDS product transcriptional regulator ICP4	117483-117499	4:01:01	
CCTCCTCGGCCGGTGCC							
117572	117615	114128	118591	CDS product transcriptional regulator ICP4	117572-117615	8:05:02	
GGACGCTGGTCCTTGGGGAGCCGGTGAGGGTCCGGCCCCGGCGG							

117710	117721	114128	118591	CDS product transcriptional regulator ICP4	117710-117721	4:01:01	GGAGGGAGGAGG
117731	117747	114128	118591	CDS product transcriptional regulator ICP4	117731-117747	4:01:01	
GGGCGGCTGGGAGCGGG							
117758	117799	114128	118591	CDS product transcriptional regulator ICP4	117758-117799	8:05:02	
GGAGCCGAGCGGGTGCGCCGGGGAAGCGGCGCCGAGCGG							
117809	117832	114128	118591	CDS product transcriptional regulator ICP4	117809-117832	5:02:01	
GGGGTGGCGGCCCCAGCGGCCGGG							
117819	117843	114128	118591	CDS product transcriptional regulator ICP4	117819-117843	4:01:01	
CCCCAGCGGCCGGGCGATCCCCTCC							
117844	117887	114128	118591	CDS product transcriptional regulator ICP4	117844-117887	8:05:02	
GGAGGACGGCCCCGGGAGAGCCGGCGGCCGAGGGGTTTCGCGG							
117918	117930	114128	118591	CDS product transcriptional regulator ICP4	117918-117930	4:01:01	CCTCCTCGCCGCC
117978	118009	114128	118591	CDS product transcriptional regulator ICP4	117978-118009	6:03:01	
CCCCGGCACCATCCGCCTGGTCGTCCTCGTCC							
118051	118090	114128	118591	CDS product transcriptional regulator ICP4	118051-118090	7:04:01	
CCGGACCCGGGGTGCCGGGGACCCTCCGCCCCGGGAGGCC							
118082	118133	114128	118591	CDS product transcriptional regulator ICP4	118082-118133	9:06:02	
GGGGAGGCCGAGGATGGAACTCGGGCTGCGGGGACCCGGGCAGGTCTCGG							
118152	118176	114128	118591	CDS product transcriptional regulator ICP4	118152-118176	5:02:01	
CCGGGTGCGCCGCGTCCCCACCGCC							
118177	118201	114128	118591	CDS product transcriptional regulator ICP4	118177-118201	4:01:01	
GGGTGATGAGGAGCCCGTGCCCCG							
118190	118219	114128	118591	CDS product transcriptional regulator ICP4	118190-118219	5:02:01	

CCCGTGGCCCGGCGACCGTTCCCCGGGGCC			
118214 118231 114128 118591 CDS product transcriptional regulator ICP4	118214-118231	4:01:01	
GGGGCCACGGAGGAGTGG			
118259 118295 114128 118591 CDS product transcriptional regulator ICP4	118259-118295	7:04:01	
GGAGCCGGGCTGGGTGCCGGGGACGCCGGCTGGGCGG			
118316 118333 114128 118591 CDS product transcriptional regulator ICP4	118316-118333	4:01:01	
CCGCCGCTGCCGGCGGCC			
118342 118359 114128 118591 CDS product transcriptional regulator ICP4	118342-118359	4:01:01	
CCGCTTCGCCTTCCCTCC			
118362 118390 114128 118591 CDS product transcriptional regulator ICP4	118362-118390	6:03:01	
GGGGCTCGGGAGTCGGAGACGGCGGAGGG			
118458 118478 114128 118591 CDS product transcriptional regulator ICP4	118458-118478	5:02:01	
GGTCGGGCGCGGCGGGCTGGG			
118492 118519 114128 118591 CDS product transcriptional regulator ICP4	118492-118519	5:02:01	
GGCCGCGCTGGCTGCGCGGATGAGGGGG			
121430 121473 121368 122249 CDS product regulatory protein ICP22	121430-121473	11:08:02	
CCGTCCACCAGCCCCCTCATCCCGTCCCTGACCCCCCTCGCCCCC			
121483 121502 121368 122249 CDS product regulatory protein ICP22	121483-121502	4:01:01	CCCGTCCCCACGCTCCAGCC
121533 121566 121368 122249 CDS product regulatory protein ICP22	121533-121566	6:03:01	
GGCTCCCCGGCGGCTCGGACCATCCGAATACGG			
121571 121614 121368 122249 CDS product regulatory protein ICP22	121571-121614	7:04:01	
CCGCTATCCCCGCGGGCCCTGCGCCCGTACCTGGCCCGGGGGCC			
121603 121619 121368 122249 CDS product regulatory protein ICP22	121603-121619	4:01:01	GGCCCGGGGGCCAGGGG

121695 121717 121368 122249 CDS product regulatory protein ICP22
CCACCTCCTCGATCCACGTGACC

121894 121925 121368 122249 CDS product regulatory protein ICP22
CCTGGAGCCGCCGAGCGACCCCCGAATACCC

122065 122078 121368 122249 CDS product regulatory protein ICP22

122136 122171 121368 122249 CDS product regulatory protein ICP22
CCGATGCCCCACCAACAACCACCACCCTACAACCC

122194 122212 121368 122249 CDS product regulatory protein ICP22

122912 122959 122862 123572 CDS product virion protein US10
GGCGAGGAGTCCGGAGCGGGGACGGGGACGGGGCGGGCGGGACGGG

123049 123062 122862 123572 CDS product virion protein US10

123081 123105 122862 123572 CDS product virion protein US10

123150 123170 122862 123572 CDS product virion protein US10

123214 123236 122862 123572 CDS product virion protein US10

123448 123466 122862 123572 CDS product virion protein US10

123475 123532 122862 123572 CDS product virion protein US10
CCTGCGCGCCGCGGCCGCAAGCTCCCTCTCCAGCTGCCCTCGGCCATCGGACCGCC

124381 124402 124376 125194 CDS product virion protein V67

124425 124474 124376 125194 CDS product virion protein V67
GGCTGCGGGGCTGCCTGGCCCCTCTGGGGTGGGGGTCAGGGGAGCTCTGG

124618 124640 124376 125194 CDS product virion protein V67

124681 124697 124376 125194 CDS product virion protein V67

124719 124738 124376 125194 CDS product virion protein V67

121695-121717 5:02:01

121894-121925 6:03:01

122065-122078 4:01:01 GGACGTGGGGGAGG

122136-122171 8:05:02

122194-122212 4:01:01 CCGCAAGCGCCAACCCCCC

122912-122959 10:07:02

123049-123062 4:01:01 GGCGGAGGCAGCGG

123081-123105 5:02:01 CCGGGCCGCCCGCGGAGGCCTGGCC

123150-123170 4:01:01 CCAGCCCCATGCCCGTCTTCC

123214-123236 5:02:01 GGATCTCGGCGCGGCGCCGGTGG

123448-123466 5:02:01 CCCCCGCCACGCAGCCGCC

123475-123532 9:06:02

124381-124402 4:01:01 GGCCACGGGGGTGTCTTCGGGG

124425-124474 8:05:02

124618-124640 5:02:01 GGCGATGGCGGGGGGAACCTTGG

124681-124697 4:01:01 GGCATCGGCGGCGTCCG

124719-124738 4:01:01 CCGCGGGTTCTCCTCGCCC

124754	124781	124376	125194	CDS product virion protein V67	124754-124781	6:03:01	GGGTAGAGGAACGGCAGGCGGACGAAGG
124822	124838	124376	125194	CDS product virion protein V67	124822-124838	4:01:01	GGGCAGCGGCAGGGCGG
124851	124876	124376	125194	CDS product virion protein V67	124851-124876	7:04:01	CCTCTCCGGCCACCACCCCTCGACC
125050	125093	124376	125194	CDS product virion protein V67	125050-125093	9:06:02	
GGAGTTGGCGGCCCCCGGCCGCGGCTGCGGCGAAGGTGGGG							
125103	125128	124376	125194	CDS product virion protein V67	125103-125128	6:03:01	GGTGGGCGGGTTGGCATTGCGGCGG
125155	125171	124376	125194	CDS product virion protein V67	125155-125171	5:02:01	GGTGCCGGCGGTGGCGG
125260	125290	125019	126275	CDS product virion protein US2	125260-125290	7:04:01	
GGGCTAGGCGGTGGTGGGTGTAAAGGCGAGG							
125430	125505	125019	126275	CDS product virion protein US2	125430-125505	14:11:03	
GGCGGGCGCGGGCGCCCGGGTCCCCGGGCGGGGCGGTCGCGCGCGGCCGTGGACCGAGCGGGCGCGGG							
125536	125559	125019	126275	CDS product virion protein US2	125536-125559	7:04:01	CCCCCCCCTCCGACGGCCGCCGCC
125562	125584	125019	126275	CDS product virion protein US2	125562-125584	4:01:01	GGCAGCGGCCGCCCGGGGCGGG
126483	126511	126411	127559	CDS product serine/threonine protein kinase US3	126483-126511	7:04:01	
CCACGCCTCCGCTACCACCTCCCACACCC							
126533	126551	126411	127559	CDS product serine/threonine protein kinase US3	126533-126551	4:01:01	
GGTGCGGCCGCGGACGAGG							
126853	126872	126411	127559	CDS product serine/threonine protein kinase US3	126853-126872	4:01:01	
GGACACCTTGGTATCGGGG							
127111	127137	126411	127559	CDS product serine/threonine protein kinase US3	127111-127137	5:02:01	
GGAACCCGCGGACCTGGGCCTGGCTGG							
127787	127817	127681	128916	CDS product envelope glycoprotein G	127787-127817	6:03:01	
CCCACCAAACACCCAGCCCGAACGCCACCC							

128281	128300	127681	128916	CDS product envelope glycoprotein G	128281-128300	4:01:01	CCAGCCCACACCCGCGTGCC
128492	128506	127681	128916	CDS product envelope glycoprotein G	128492-128506	4:01:01	GGTGGGTGCGGTTGG
129252	129272	129097	131490	CDS product envelope glycoprotein J	129252-129272	5:02:01	CCCACCACGAGTCCACCTACC
129285	129313	129097	131490	CDS product envelope glycoprotein J	129285-129313	5:02:01	
CCCCCACAATCAACCCACATCCTCCCC							
129379	129404	129097	131490	CDS product envelope glycoprotein J	129379-129404	4:01:01	
CCAGCACAACCTCTATTCCAACATCC							
129418	129437	129097	131490	CDS product envelope glycoprotein J	129418-129437	4:01:01	CCACCACAACAACCCCAACC
129466	129494	129097	131490	CDS product envelope glycoprotein J	129466-129494	4:01:01	
CCGCGGCTCCCAACGCGCGCTACAACC							
129607	129626	129097	131490	CDS product envelope glycoprotein J	129607-129626	4:01:01	CCACCACTGTTCCAACAACC
129772	129869	129097	131490	CDS product envelope glycoprotein J	129772-129869	19:16:04	
CCTCTGCAACCACCGCGGCTACCACCACCGCGGCTACCACCACCGCGGCTACCACCACCGCGGCTACCACCACCGCGGCTACC							
129916	129959	129097	131490	CDS product envelope glycoprotein J	129916-129959	8:05:02	
CCACGTCCACCCCTCAGTTCCACTGCCACATCTGCCACTCCC							
130312	130331	129097	131490	CDS product envelope glycoprotein J	130312-130331	4:01:01	CCGACTCTTCCACCGTGCCC
130450	130486	129097	131490	CDS product envelope glycoprotein J	130450-130486	6:03:01	
CCGGAAATACCACCCCATCACCTTCCCCGCGTACCCC							
130553	130565	129097	131490	CDS product envelope glycoprotein J	130553-130565	4:01:01	CCACACCACCGCC
130596	130618	129097	131490	CDS product envelope glycoprotein J	130596-130618	4:01:01	GGTCGCGCAGGGGGTCGTCGGGG
130740	130763	129097	131490	CDS product envelope glycoprotein J	130740-130763	5:02:01	CCTCAGTCCCGCCAGACCGACCC
131053	131085	129097	131490	CDS product envelope glycoprotein J	131053-131085	6:03:01	
CCACCAAATCAACCACAATACCGTGTCCGGGCC							

131689 131717 131583 132791 CDS product envelope glycoprotein D GGTTCGAGGACGCCAGGATAGGCCAAAGG	131689-131717 5:02:01
132413 132435 131583 132791 CDS product envelope glycoprotein D	132413-132435 5:02:01 CCCGTGCCTCCGATAACCACCC
132481 132519 131583 132791 CDS product envelope glycoprotein D CCCGAAACCAGGCCAGGCGGACCCCAAACCAATCAGCC	132481-132519 6:03:01
133413 133431 132899 134173 CDS product envelope glycoprotein I	133413-133431 4:01:01 CCCCATCCAATGCCCACC
133614 133630 132899 134173 CDS product envelope glycoprotein I	133614-133630 4:01:01 GGTTATTGGTCAGGAGG
133631 133655 132899 134173 CDS product envelope glycoprotein I CCCTGTTATGCCATTGGTTCCAGCC	133631-133655 4:01:01
133975 134010 132899 134173 CDS product envelope glycoprotein I GGACAGGGGGGCGCATCGGCGCCGAACGGAGACGG	133975-134010 7:04:01
134074 134090 132899 134173 CDS product envelope glycoprotein I	134074-134090 5:02:01 CCTCCAACCCCAAACC
134783 134819 134406 136058 CDS product envelope glycoprotein E CCAATCCTTGCCGAAACCCGCAGCGTCCTACAAATCC	134783-134819 6:03:01
134915 134934 134406 136058 CDS product envelope glycoprotein E	134915-134934 4:01:01 CCGCCCAAACAACCGCAACC
134952 134993 134406 136058 CDS product envelope glycoprotein E CCCCGCCACCCGTAACCGTTCCTCAGGTTCCCGTAAAGACCC	134952-134993 7:04:01
135181 135207 134406 136058 CDS product envelope glycoprotein E CCCGACAGCCATGGCCTGCCTGCACCC	135181-135207 5:02:01
135437 135454 134406 136058 CDS product envelope glycoprotein E	135437-135454 4:01:01 GGACATCCGGAGGCGTGG
135859 135899 134406 136058 CDS product envelope glycoprotein E CCCACCACCTCCCAAACAGCTCCACAGCTCCCACCATACC	135859-135899 9:06:02
135929 135952 134406 136058 CDS product envelope glycoprotein E	135929-135952 5:02:01 GGCAGGTCCGGATTCAAGGTTTGG

136186	136212	136055	136447	CDS product membrane protein US8A
CCCAGATCCGGCTCAACCTCCGATTCC				
136784	136797	136783	137442	CDS product membrane protein US9
136942	136955	136783	137442	CDS product membrane protein US9
137066	137083	136783	137442	CDS product membrane protein US9
137324	137352	136783	137442	CDS product membrane protein US9
GGCCCGCAGGCACAGGCGGCGCGGTGG				
137987	138003	137966	138784	CDS product virion protein V67
138030	138055	137966	138784	CDS product virion protein V67
138065	138108	137966	138784	CDS product virion protein V67
CCCCACCTTCGCCGAGCCGCGCGGGGGGCGCCAACTCC				
138282	138307	137966	138784	CDS product virion protein V67
138320	138336	137966	138784	CDS product virion protein V67
138377	138404	137966	138784	CDS product virion protein V67
138420	138439	137966	138784	CDS product virion protein V67
138461	138477	137966	138784	CDS product virion protein V67
138518	138540	137966	138784	CDS product virion protein V67
138684	138733	137966	138784	CDS product virion protein V67
CCAGAGCTCCCCTGACCCCCACCCAGAGGGGCCAGGCAGCCCCGCAGCC				
138756	138777	137966	138784	CDS product virion protein V67
139626	139683	139588	140298	CDS product virion protein US10
GGCGGTCCGATGGGCCGAGGGCAGCTGGAGAGGGAGCTTGCGCCGCGGGCGCGCAGG				
139692	139710	139588	140298	CDS product virion protein US10

136186-136212	5:02:01	
136784-136797	4:01:01	GGAGAAGGCGGAGG
136942-136955	4:01:01	CCGCTACCTCCACC
137066-137083	4:01:01	CCCGTCTCCCCCATCACC
137324-137352	6:03:01	
137987-138003	5:02:01	CCGCCACCGCCGGCACC
138030-138055	6:03:01	CCGCCGCAATGCCAACCCGCCCCACC
138065-138108	9:06:02	
138282-138307	7:04:01	GGTCGAGGGGTGGTGGCCGAGAGG
138320-138336	4:01:01	CCGCCCTGCCGCTGCCC
138377-138404	6:03:01	CCTTCGTCCGCTGCCGTTCTCTACCC
138420-138439	4:01:01	GGGCGAGGAGGAACCCGCGG
138461-138477	4:01:01	CCGACGCCGCCGATGCC
138518-138540	5:02:01	CCAAGGTTCCCCCGCCATCGCC
138684-138733	8:05:02	
138756-138777	4:01:01	CCCCGAAGACCCCCGTGGCC
139626-139683	9:06:02	
139692-139710	5:02:01	GGCGGTGCGTGGCGGGG

139922	139944	139588	140298	CDS product virion protein US10
139988	140008	139588	140298	CDS product virion protein US10
140053	140077	139588	140298	CDS product virion protein US10
140096	140109	139588	140298	CDS product virion protein US10
140199	140246	139588	140298	CDS product virion protein US10
CCCGTCCGCGCCCGCCCCGTCCCCGTCCCCGCTCCGGACTCCTCGCC				
140946	140964	140911	141792	CDS product regulatory protein ICP22
140987	141022	140911	141792	CDS product regulatory protein ICP22
GGGTTGTAGGTTGGTGGTTGTTGGTGGGGGCATCGG				
141080	141093	140911	141792	CDS product regulatory protein ICP22
141233	141264	140911	141792	CDS product regulatory protein ICP22
GGGTATTCGGGGGTCGCTCGGCGGCTCCAGG				
141441	141463	140911	141792	CDS product regulatory protein ICP22
GGTCACGTGGATCGAGGAGGTGG				
141539	141555	140911	141792	CDS product regulatory protein ICP22
141544	141587	140911	141792	CDS product regulatory protein ICP22
GGCCCCCGGGCCAGGTACGGGCGCAGGGCCGCGGGGATAGCGG				
141592	141625	140911	141792	CDS product regulatory protein ICP22
CCGTATTCGGATGGTCCGAGCCCGGGGAGCC				
141656	141675	140911	141792	CDS product regulatory protein ICP22
141685	141728	140911	141792	CDS product regulatory protein ICP22
GGGGCGAGGGGTGAGGGACGGGATGAGGGGGCTGGTGGACGG				
144639	144666	144569	149032	CDS product transcriptional regulator ICP4

139922-139944	5:02:01	CCACCGGCGCCGCGCCGAGATCC
139988-140008	4:01:01	GGAAGACGGGCATGGGGCTGG
140053-140077	5:02:01	GGCCAGGCCTCCGCGGGCGCCCGG
140096-140109	4:01:01	CCGCTGCCTCCGCC
140199-140246	10:07:02	
140946-140964	4:01:01	GGGGGTTGGCGCTTGC GG
140987-141022	8:05:02	
141080-141093	4:01:01	CCTCCCCACGTCC
141233-141264	6:03:01	
141441-141463	5:02:01	
141539-141555	4:01:01	CCCCTGGCCCCGGGCC
141544-141587	7:04:01	
141592-141625	6:03:01	
141656-141675	4:01:01	GGCTGGAGCGTGGGGACGGG
141685-141728	11:08:02	
144639-144666	5:02:01	

CCCCCTCATCCGCGCAGCCAGCGCGGCC						
144680 144700 144569 149032 CDS product transcriptional regulator ICP4	144680-144700	5:02:01				
CCCAGCCCCGCGCGCCCGACC						
144768 144796 144569 149032 CDS product transcriptional regulator ICP4	144768-144796	6:03:01				
CCCTCCGCGTCTCCGACTCCCGAGCCCC						
144799 144816 144569 149032 CDS product transcriptional regulator ICP4	144799-144816	4:01:01				
GGAGGGAAGGCGAAGCGG						
144825 144842 144569 149032 CDS product transcriptional regulator ICP4	144825-144842	4:01:01				
GGCCGCCGGCAGCGGCGG						
144863 144899 144569 149032 CDS product transcriptional regulator ICP4	144863-144899	7:04:01				
CCGCCCAGCCGGCGTCCCCGGCACCCAGCCCGGCTCC						
144927 144944 144569 149032 CDS product transcriptional regulator ICP4	144927-144944	4:01:01				
CCACTCCTCCGTGGCCCC						
144939 144968 144569 149032 CDS product transcriptional regulator ICP4	144939-144968	5:02:01				
GGCCCCGGGGAACGGTCGCCGGGCCACGGG						
144957 144981 144569 149032 CDS product transcriptional regulator ICP4	144957-144981	4:01:01				
CCGGGCCACGGGCTCCTCATCACC						
144982 145006 144569 149032 CDS product transcriptional regulator ICP4	144982-145006	5:02:01				
GGCGGTGGGGACGCGGCCGACCCGG						
145025 145076 144569 149032 CDS product transcriptional regulator ICP4	145025-145076	9:06:02				
CCGAGACCTGCCCGGGTCCCCGAGCCCGAGTTTCCATCCTCGGCCTCCCC						
145068 145107 144569 149032 CDS product transcriptional regulator ICP4	145068-145107	7:04:01				
GGCCTCCCCGGGCGGAGGGTCCCCGGCACCCCGGTCCGG						

145149 145180 144569 149032 CDS product transcriptional regulator ICP4 GGACGAGGACGACCAGGCGGATGGTGCCGGGG	145149-145180 6:03:01
145228 145240 144569 149032 CDS product transcriptional regulator ICP4	145228-145240 4:01:01 GGCGGCGAGGAGG
145271 145314 144569 149032 CDS product transcriptional regulator ICP4 CCGCGAAAACCCCGTCGGCCGCCGGCTCTCCCGGGCCGTCCTCC	145271-145314 8:05:02
145315 145339 144569 149032 CDS product transcriptional regulator ICP4 GGAGGGGATCGCCCGGCCGCTGGGG	145315-145339 4:01:01
145326 145349 144569 149032 CDS product transcriptional regulator ICP4 CCCGGCCGCTGGGGCCGCCACCCC	145326-145349 5:02:01
145359 145400 144569 149032 CDS product transcriptional regulator ICP4 CCGCTCCGGCGCCGCTTCCCCGGCGCACCCGCTCCGGCTCC	145359-145400 8:05:02
145411 145427 144569 149032 CDS product transcriptional regulator ICP4 CCCCTCCAGCCGCC	145411-145427 4:01:01
145437 145448 144569 149032 CDS product transcriptional regulator ICP4	145437-145448 4:01:01 CCTCTCCCTCC
145543 145586 144569 149032 CDS product transcriptional regulator ICP4 CCGCCGGCCGGAGCCCTACCGGCTCCCAAGGACCAGCGTCC	145543-145586 8:05:02
145625 145679 144569 149032 CDS product transcriptional regulator ICP4 CCAACCCAGACCCATACCCAGACCCAGACCCAGGACCGGCCGAGGAGGCCCC	145625-145679 9:06:02
145659 145675 144569 149032 CDS product transcriptional regulator ICP4 GGCACCGGCCGAGGAGG	145659-145675 4:01:01
145722 145738 144569 149032 CDS product transcriptional regulator ICP4 GGCTACCGGGGCGGCGG	145722-145738 4:01:01
145752 145765 144569 149032 CDS product transcriptional regulator ICP4	145752-145765 4:01:01 GGCCCCGGCGGCGG

145808	145830	144569	149032	CDS product transcriptional regulator ICP4	145808-145830	4:01:01	
CCCCGTCCGGGGACCCCTGGCCC							
145816	145837	144569	149032	CDS product transcriptional regulator ICP4	145816-145837	4:01:01	
GGGGACCCCTGGCCCGGGTCGG							
145867	145900	144569	149032	CDS product transcriptional regulator ICP4	145867-145900	6:03:01	
GGGGGGACCGGGGACTCGCGGGACGGGCTGTGGG							
146153	146167	144569	149032	CDS product transcriptional regulator ICP4	146153-146167	4:01:01	CCAACCCCTGCCCC
146173	146193	144569	149032	CDS product transcriptional regulator ICP4	146173-146193	4:01:01	
GGGGACGCCATGGCGGCCGGG							
146222	146245	144569	149032	CDS product transcriptional regulator ICP4	146222-146245	5:02:01	
CCGCCTCGGTGGCCATGAGCCGCC							
146274	146295	144569	149032	CDS product transcriptional regulator ICP4	146274-146295	5:02:01	
CCTCCAGAGCCTCCGGCGCGCC							
146325	146338	144569	149032	CDS product transcriptional regulator ICP4	146325-146338	4:01:01	GGCGGGGAGGCCGG
146348	146395	144569	149032	CDS product transcriptional regulator ICP4	146348-146395	10:07:02	
CCGCCGTGGCCGGCTACCCGGCCCAGGCCGCCGCTGCCGCGGCCAGCC							
146355	146374	144569	149032	CDS product transcriptional regulator ICP4	146355-146374	4:01:01	
GGCCGGCTACCCGGCCCAGG							
146404	146434	144569	149032	CDS product transcriptional regulator ICP4	146404-146434	5:02:01	
CCCAGGCCCCGGCGCCCTCGGTCCGCGTCC							
146481	146523	144569	149032	CDS product transcriptional regulator ICP4	146481-146523	6:03:01	
GGCTGCCGCGGCCGCGCCGCTCCGGGGACCAGGGCGCCCAGG							
146486	146532	144569	149032	CDS product transcriptional regulator ICP4	146486-146532	9:06:02	

CCGCGGCCGCGGCCGCTCCGGGGACCAGGGCGCCCAGGCCGTCCGCC							
146591	146605	144569	149032	CDS product transcriptional regulator ICP4	146591-146605	4:01:01	CCCTCCTGCGCCTCC
146649	146670	144569	149032	CDS product transcriptional regulator ICP4	146649-146670	5:02:01	
CCCCTCTCCCGCCTGCCCTCCC							
146691	146710	144569	149032	CDS product transcriptional regulator ICP4	146691-146710	5:02:01	
GGCCGGGCTGGAGACGGCGG							
146732	146764	144569	149032	CDS product transcriptional regulator ICP4	146732-146764	5:02:01	
GGGACCTGGTCGAGCGGGCCAGGCTCCTCGGGG							
146772	146793	144569	149032	CDS product transcriptional regulator ICP4	146772-146793	5:02:01	
CCCTACCCACCGCCTGGGCTCC							
146826	146854	144569	149032	CDS product transcriptional regulator ICP4	146826-146854	6:03:01	
GGTGGTGGCCCGGACCGTGGCGCCGCTGG							
146867	146913	144569	149032	CDS product transcriptional regulator ICP4	146867-146913	8:05:02	
CCGAGGGGGCCCGGGCCCGGGCCTCGGCCTGGACCGTCACCCAGGCC							
146871	146898	144569	149032	CDS product transcriptional regulator ICP4	146871-146898	6:03:01	
GGGGGCCCCGGGCCCGGGCCTCGGCCTGG							
146934	146956	144569	149032	CDS product transcriptional regulator ICP4	146934-146956	6:03:01	
GGTCGGGGGGATGTTGGGGGAGG							
146957	146978	144569	149032	CDS product transcriptional regulator ICP4	146957-146978	4:01:01	
CCGTGTCCCTGCTGGCCCCACC							
146987	147012	144569	149032	CDS product transcriptional regulator ICP4	146987-147012	4:01:01	
CCCAGCAGCCCTCATCGTCCTCGCCC							
147022	147042	144569	149032	CDS product transcriptional regulator ICP4	147022-147042	4:01:01	

CCCTTCTCCGGCTCCGCGGCC							
147031	147051	144569	149032	CDS product transcriptional regulator ICP4	147031-147051	4:01:01	
GGCTCCGCGGCCGCGGAGGGG							
147054	147090	144569	149032	CDS product transcriptional regulator ICP4	147054-147090	7:04:01	
CCTTCAGACCCTGCCGCCCCTGTGGCCCACCGTCCCC							
147111	147145	144569	149032	CDS product transcriptional regulator ICP4	147111-147145	6:03:01	
CCCCTCGTCCCACTCCCAGTCCCCCAGCACTCCC							
147151	147166	144569	149032	CDS product transcriptional regulator ICP4	147151-147166	4:01:01	GGCGGAGGCGCCGGGG
147173	147196	144569	149032	CDS product transcriptional regulator ICP4	147173-147196	6:03:01	
CCGCCACCTGCTGCCGGGCCACCC							
147260	147283	144569	149032	CDS product transcriptional regulator ICP4	147260-147283	6:03:01	
CCGCCTCCCCGGCCACCTCAGCC							
147315	147336	144569	149032	CDS product transcriptional regulator ICP4	147315-147336	4:01:01	
CCGTGCCATCCACGGGCGCCCC							
147328	147357	144569	149032	CDS product transcriptional regulator ICP4	147328-147357	4:01:01	
GGGCGCCCCAGGGCAAGAGCGGCAAGCGG							
147362	147421	144569	149032	CDS product transcriptional regulator ICP4	147362-147421	11:08:02	
CCGAGCCCCTGGAGCCGGCGGCCAGGCCGAGCCTCGGCCTCCTTCTCCTCGTCCGCC							
147372	147400	144569	149032	CDS product transcriptional regulator ICP4	147372-147400	6:03:01	
GGAGCCGGCGGCCAGGCCGAGCCTCGG							
147453	147465	144569	149032	CDS product transcriptional regulator ICP4	147453-147465	4:01:01	CCCTCCGGCCCCC
147473	147512	144569	149032	CDS product transcriptional regulator ICP4	147473-147512	6:03:01	
GGGTGGCCACCCGGGCCACCAGGCTCCCCGGGCCCTGGG							

147479	147538	144569	149032	CDS product transcriptional regulator ICP4	147479-147538	11:08:02	
CCACCCCGGGCCACCAGGCTCCCCGGGCCCTGGGACCCATGCCAGCCGAGGGCCCCGACC							
147651	147677	144569	149032	CDS product transcriptional regulator ICP4	147651-147677	4:01:01	
CCAGCTGTTCCCGAGGCCTGGCGCCC							
147686	147721	144569	149032	CDS product transcriptional regulator ICP4	147686-147721	6:03:01	
CCTTCGATCCCCAGGCCCTGGCCACCATCGCGGCC							
147730	147749	144569	149032	CDS product transcriptional regulator ICP4	147730-147749	4:01:01	
GGCCCCCGGCCCGGGACGG							
147760	147779	144569	149032	CDS product transcriptional regulator ICP4	147760-147779	4:01:01	
GGGGAGCTGGCGGCCAGCGG							
147828	147844	144569	149032	CDS product transcriptional regulator ICP4	147828-147844	4:01:01	
GGACGTGAAGGTGGTGG							
147864	147892	144569	149032	CDS product transcriptional regulator ICP4	147864-147892	5:02:01	
GGACGAGGACCTGCTGGGCGGACTCCCGG							
147888	147903	144569	149032	CDS product transcriptional regulator ICP4	147888-147903	4:01:01	CCCGGCCCTCCCGCCCC
147942	147975	144569	149032	CDS product transcriptional regulator ICP4	147942-147975	6:03:01	
GGGGGACTCTCGGCGCTGCTGGCGGCCCTGGGG							
147968	148011	144569	149032	CDS product transcriptional regulator ICP4	147968-148011	7:04:01	
CCCTGGGGAACCGCATCCTCACCAAGCGGTCCCACGCCTGGGCC							
148007	148042	144569	149032	CDS product transcriptional regulator ICP4	148007-148042	6:03:01	
GGGCCGCAACTGGACCGGGGCCCCGGACGTCTCGG							
148076	148095	144569	149032	CDS product transcriptional regulator ICP4	148076-148095	4:01:01	
CCGGGGACCTGGCCTTCACC							

148110	148134	144569	149032	CDS product transcriptional regulator ICP4 CCTCTGCCCTGCGCCTGGGCTCCGCC	148110-148134	5:02:01
148173	148190	144569	149032	CDS product transcriptional regulator ICP4 GGATTGGCCCCAGGACGG	148173-148190	4:01:01
148264	148309	144569	149032	CDS product transcriptional regulator ICP4 CCCCGGGAGCGCCACCTCAGCCGCGGTCCTCACCTCCAGCACCC	148264-148309	8:05:02
148389	148407	144569	149032	CDS product transcriptional regulator ICP4 CCGCTCCTCCAACGTGGCC	148389-148407	4:01:01
148467	148485	144569	149032	CDS product transcriptional regulator ICP4 CCGCCAGCGCGTCCTGCCC	148467-148485	4:01:01
148495	148533	144569	149032	CDS product transcriptional regulator ICP4 GGCTGCAAGGACATGCGGGCCAGGCCGAGGGCCTCGGG	148495-148533	6:03:01
148514	148544	144569	149032	CDS product transcriptional regulator ICP4 CCCAGGCCGAGGGCCTCGGGTTCCACGACCC	148514-148544	5:02:01
148572	148588	144569	149032	CDS product transcriptional regulator ICP4 CCACCGCGGGCCAACC	148572-148588	4:01:01
148614	148636	144569	149032	CDS product transcriptional regulator ICP4 CCCCGTGTACCTCGCCTGCGGCC	148614-148636	4:01:01
148633	148666	144569	149032	CDS product transcriptional regulator ICP4 GGCCGGCGCGGCGCTGGGGCCGTGGAGCCCTCGG	148633-148666	6:03:01
148720	148741	144569	149032	CDS product transcriptional regulator ICP4 CCCAGCGCCGAGGCCGAGCCCC	148720-148741	4:01:01
148750	148781	144569	149032	CDS product transcriptional regulator ICP4	148750-148781	6:03:01

CCCATCACCGAGGCTCCCCGCCGCCGAGCCCC						
148784	148808	144569	149032	CDS product transcriptional regulator ICP4	148784-148808	4:01:01
GGGTGCGACTGGGAGCCCCGGTTTCGG						
148888	148912	144569	149032	CDS product transcriptional regulator ICP4	148888-148912	5:02:01
GGGGCCGGCGATGTGGAGCTGGTGG						
148920	148965	144569	149032	CDS product transcriptional regulator ICP4	148920-148965	8:05:02
CCCCGGCCCCGAGCCCCGGCGTGGCCCAGGCCCTCCGCCGCGCTCCC						
148977	149010	144569	149032	CDS product transcriptional regulator ICP4	148977-149010	7:04:01
GGTGGTGTGCGACGACGAGGACGGAGGAGACTGG						
gi 9629732 ref NC_001844.1 Equid herpesvirus 4, complete genome						
2928	2954	2457	3227	CDS product myristylated tegument protein CIRC	2928-2954	6:03:01
CCACCAACCACGCTTCCACCGAAAACC						
3145	3174	2457	3227	CDS product myristylated tegument protein CIRC	3145-3174	5:02:01
CCCACCCAGCGAGCCAAACTGCCTTACACC						
3672	3688	3262	3864	CDS product nuclear protein UL55	3672-3688	5:02:01
4268	4303	4081	5484	CDS product multifunctional expression regulator	4268-4303	6:03:01
CCGGAGACACCGCTCGGCGCCACTCCCAACGGCCC						
4589	4620	4081	5484	CDS product multifunctional expression regulator	4589-4620	5:02:01
CCAAGTCCCGTAGGGACCGCGCCGCTTCTGCC						
4863	4879	4081	5484	CDS product multifunctional expression regulator	4863-4879	4:01:01
GGCGTTGGCGGCTGCGG						
4992	5009	4081	5484	CDS product multifunctional expression regulator	4992-5009	4:01:01

CCACCCGCCAGACGGTCC							
5785	5797	5618	6649	CDS product envelope glycoprotein K	5785-5797	4:01:01	GGGGGCTGGGGG
5902	5936	5618	6649	CDS product envelope glycoprotein K	5902-5936	5:02:01	
GGGGTATAGCTGGGAGCAGGGAGTATGGACTAAGG							
7276	7302	6658	9900	CDS product helicase-primase primase subunit	7276-7302	5:02:01	
CCGCCATAAACCTCCCCAGAGTCGCCC							
7457	7470	6658	9900	CDS product helicase-primase primase subunit	7457-7470	4:01:01	CCTCCGGTCCCGCC
7480	7493	6658	9900	CDS product helicase-primase primase subunit	7480-7493	4:01:01	GGTGGTGGTACCGG
8437	8458	6658	9900	CDS product helicase-primase primase subunit	8437-8458	4:01:01	
GGTTTGGTAGATGGAATTAAGG							
8466	8481	6658	9900	CDS product helicase-primase primase subunit	8466-8481	4:01:01	CCAGCCATGTCCAGCC
9096	9115	6658	9900	CDS product helicase-primase primase subunit	9096-9115	4:01:01	
GGTGGCTTGTAGGTCGTAGG							
9987	10018	9899	10633	CDS product tegument protein UL51	9987-10018	7:04:01	
CCCAGCCACCATGCTCCGCCTACAGTCCGCCC							
10728	10748	10722	11702	CDS product deoxyuridine triphosphatase	10728-10748	4:01:01	CCTGTTGAACCAAAGCCCCC
10835	10860	10722	11702	CDS product deoxyuridine triphosphatase	10835-10860	6:03:01	
GGTGGCGAATAGGTAGGAAAGGGGG							
11912	11931	11671	11973	CDS product envelope glycoprotein N	11912-11931	4:01:01	CCAGGCATACCGCGCCTTCC
12464	12506	12128	13042	CDS product tegument protein VP22	12464-12506	7:04:01	
CCTCCCATGGCCGTTTGAGCCCCACAAAACACACCCACCC							
12671	12692	12128	13042	CDS product tegument protein VP22	12671-12692	4:01:01	CCCCAAAACGCCAAGACGCC
13543	13558	13173	14519	CDS product transactivating tegument protein VP16	13543-13558	4:01:01	

CCTGCCCATACCCACC						
14338	14389	13173	14519	CDS product transactivating tegument protein VP16		14338-14389 10:07:02
CCCACCATCCCCAGCGCCGTTTACCAGGGGATCCAGTTCACCGCTTACC						
15166	15187	14890	17484	CDS product tegument protein VP13/14	15166-15187	4:01:01 CCCCCGCGCAGCCACAAGCACC
15800	15820	14890	17484	CDS product tegument protein VP13/14	15800-15820	4:01:01 CCACCCGGTTGCCATGAACCC
16400	16414	14890	17484	CDS product tegument protein VP13/14	16400-16414	4:01:01 CCAACCGCTTCCCCC
16649	16662	14890	17484	CDS product tegument protein VP13/14	16649-16662	4:01:01 GGTGGCAATGGAGG
16961	16972	14890	17484	CDS product tegument protein VP13/14	16961-16972	4:01:01 GGTGGATGGGGG
17226	17242	14890	17484	CDS product tegument protein VP13/14	17226-17242	4:01:01 CCACGCCCTGGACCCCC
17328	17358	14890	17484	CDS product tegument protein VP13/14	17328-17358	6:03:01
GGCGCCGTTTGGGGCGCATGGTGGACATGG						
17651	17677	17633	19864	CDS product tegument protein VP11/12	17651-17677	4:01:01
CCTCATGGGCCCGCGTTTCCAAAAACC						
18290	18310	17633	19864	CDS product tegument protein VP11/12	18290-18310	4:01:01 GGTGGCTATTGTGGTTTATGG
18647	18664	17633	19864	CDS product tegument protein VP11/12	18647-18664	5:02:01 GGTGGACGGCGGCGTGG
18755	18786	17633	19864	CDS product tegument protein VP11/12	18755-18786	5:02:01
GGGCAAACATGGAAAAGGGAACGGTTATGTGG						
18945	18974	17633	19864	CDS product tegument protein VP11/12	18945-18974	6:03:01
CCCGCCCCAGGGACCTCTTCTGCGCCACC						
19268	19287	17633	19864	CDS product tegument protein VP11/12	19268-19287	5:02:01 CCTCCACGCCTTCGCCAACC
19422	19444	17633	19864	CDS product tegument protein VP11/12	19422-19444	4:01:01 GGAGGAAATTTGGCAATTGCGGG
20087	20105	20018	20698	CDS product membrane protein UL45	20087-20105	4:01:01 GGGCTGAGTGGGCGGGCGG
20554	20583	20018	20698	CDS product membrane protein UL45	20554-20583	6:03:01

GGTTGGTTGGGGTAGAGTCGGCAGCGGTGG						
21447	21459	20939	22396	CDS product envelope glycoprotein C	21447-21459	4:01:01 GGAGGCTGGGGGG
21662	21687	20939	22396	CDS product envelope glycoprotein C	21662-21687	4:01:01 GGGTGAACGGAGAGGTCCATTAGGGG
22282	22301	20939	22396	CDS product envelope glycoprotein C	22282-22301	5:02:01 GGTTGGTGTGGCTGGACTGG
22648	22668	22575	23786	CDS product envelope protein UL43	22648-22668	4:01:01 GGGTTGCGGCCAAACGGCTGG
24016	24041	24002	25222	CDS product DNA polymerase processivity subunit	24016-24041	4:01:01
GGGAGCTTCGGGACAGGGAATTTTGG						
24522	24537	24002	25222	CDS product DNA polymerase processivity subunit	24522-24537	4:01:01 CCACCTGCCTATCTCC
24853	24874	24002	25222	CDS product DNA polymerase processivity subunit	24853-24874	5:02:01
GGTTGGCTGGGCCTTGGTCCGG						
24882	24904	24002	25222	CDS product DNA polymerase processivity subunit	24882-24904	4:01:01
CCAATAAACCCCTGCGTCCGTCC						
26009	26033	25765	27255	CDS product tegument host shutoff protein	26009-26033	4:01:01
GGACAGAGGTATATACGGTGATGGG						
26164	26185	25765	27255	CDS product tegument host shutoff protein	26164-26185	5:02:01
CCAACGGTTCCACCACCCAGCC						
26469	26487	25765	27255	CDS product tegument host shutoff protein	26469-26487	4:01:01 CCATTGTTTCCCCCTACCC
27173	27188	25765	27255	CDS product tegument host shutoff protein	27173-27188	4:01:01 CCACATTCCCACCCCC
27447	27471	27362	28324	CDS product ribonucleotide reductase subunit 2	27447-27471	6:03:01
GGGGGAAGCTTGGTGGGGTTTGGG						
27494	27517	27362	28324	CDS product ribonucleotide reductase subunit 2	27494-27517	5:02:01
CCAATTTCCCCAAAAGCCTGTCC						
27561	27584	27362	28324	CDS product ribonucleotide reductase subunit 2	27561-27584	5:02:01

GGTGGGTGCTTTTGGGGGCATGGG					
29166	29191	28363	30732	CDS product ribonucleotide reductase subunit 1	29166-29191 4:01:01
CCCCTGAATTCCAAGTCCCAGCGACC					
29329	29341	28363	30732	CDS product ribonucleotide reductase subunit 1	29329-29341 4:01:01 GGAGGTGGAAGGG
29574	29592	28363	30732	CDS product ribonucleotide reductase subunit 1	29574-29592 4:01:01
CCCAAATCCACACCGCTCC					
29677	29698	28363	30732	CDS product ribonucleotide reductase subunit 1	29677-29698 4:01:01
CCGCTTCTCCATCCACGTACC					
29998	30018	28363	30732	CDS product ribonucleotide reductase subunit 1	29998-30018 4:01:01
CCAACCTCTTCCATAAGAGCC					
30171	30192	28363	30732	CDS product ribonucleotide reductase subunit 1	30171-30192 5:02:01
CCAGCCAACCTCACCGTAACC					
31058	31084	30967	32355	CDS product capsid triplex subunit 1	31058-31084 5:02:01
GGCGAATGGTTCTGGGGGAGTCCGAGG					
31203	31234	30967	32355	CDS product capsid triplex subunit 1	31203-31234 6:03:01
GGGTGGGCATCTAGGCTCGCACGGCCGGTTGG					
31264	31294	30967	32355	CDS product capsid triplex subunit 1	31264-31294 5:02:01
GGGTGTGGATCTGGTGCGTCGGCTCCCTCGG					
31944	31965	30967	32355	CDS product capsid triplex subunit 1	31944-31965 4:01:01 GGCATCAAGGTGGTTTCGTAGG
32860	32882	32712	35777	CDS product tegument protein UL37	32860-32882 4:01:01 GGTATCTGTGGAAGAGGCAGCGG
33003	33029	32712	35777	CDS product tegument protein UL37	33003-33029 4:01:01 GGACCGACCGGAAACGGAAGCCGTGG
33625	33641	32712	35777	CDS product tegument protein UL37	33625-33641 4:01:01 GGCGGGAATGGTAGCGG
34127	34148	32712	35777	CDS product tegument protein UL37	34127-34148 4:01:01 GGTTTGGCAGACAAGGGCGTGG

34799 34828 32712 35777 CDS product tegument protein UL37
 CCTTTACCGGAACGGCCAACCGTTAGAACC
 35150 35174 32712 35777 CDS product tegument protein UL37
 35311 35331 32712 35777 CDS product tegument protein UL37
 36019 36047 36006 46610 CDS product large tegument protein
 CCCACCTGTTCCAACGGCCGGTGGGGCCC
 36034 36069 36006 46610 CDS product large tegument protein
 GGCCGGTGGGGCCCAGGCTGATGTGGTGGTTATAGG
 36974 36994 36006 46610 CDS product large tegument protein
 37116 37140 36006 46610 CDS product large tegument protein
 37260 37281 36006 46610 CDS product large tegument protein
 37318 37343 36006 46610 CDS product large tegument protein
 37483 37503 36006 46610 CDS product large tegument protein
 37571 37585 36006 46610 CDS product large tegument protein
 38104 38123 36006 46610 CDS product large tegument protein
 38899 38930 36006 46610 CDS product large tegument protein
 GGCTCCTGGAGCGTTGGAACAGCTGGCGAAGG
 39082 39098 36006 46610 CDS product large tegument protein
 40299 40313 36006 46610 CDS product large tegument protein
 40759 40780 36006 46610 CDS product large tegument protein
 40933 40956 36006 46610 CDS product large tegument protein
 41376 41416 36006 46610 CDS product large tegument protein
 CCGGAATAGCCGCTGCCGGTAGCCGCCCCACCTGGAAGCC

34799-34828 5:02:01
 35150-35174 4:01:01 GGAGACATGGCACTGGCCACAGAGG
 35311-35331 4:01:01 GGGGGGCTCCGAGGCACCCGG
 36019-36047 5:02:01
 36034-36069 7:04:01
 36974-36994 5:02:01 CCCCCGTGGACTCCCCCACC
 37116-37140 5:02:01 GGGCCGAGGTATTGGATGATGGGGG
 37260-37281 4:01:01 GGAGGATTTTCAGGATTTCTGG
 37318-37343 5:02:01 GGGGGTCCTAGGCGTGGAGATAGAGG
 37483-37503 4:01:01 GGCGTTTTTGGTGAAAAATGG
 37571-37585 4:01:01 CCAGACCAATCCGCC
 38104-38123 4:01:01 CCTTGCCTCAGTCCCTAACC
 38899-38930 5:02:01
 39082-39098 4:01:01 GGCTGGCGTAGGACCGG
 40299-40313 4:01:01 GGGCTTTGGAGGAGG
 40759-40780 4:01:01 GGACGTTAAGCCGTGGAGTGG
 40933-40956 4:01:01 GGTTAGCTGGGATGAGGCATGGGG
 41376-41416 8:05:02

[illegible]

48691	48713	48515	50365	CDS product DNA packaging protein UL32	48691-48713 4:01:01	CCCACGCCCAAACCTCAACACCC
49099	49117	48515	50365	CDS product DNA packaging protein UL32	49099-49117 4:01:01	GGAGTTGGATCTGGGACGG
49131	49156	48515	50365	CDS product DNA packaging protein UL32	49131-49156 4:01:01	
GGCGTTAACGGGCGCTGGTATGATGG						
49993	50014	48515	50365	CDS product DNA packaging protein UL32	49993-50014 4:01:01	GGAGACGCGGGTAGGTTTATGG
50119	50141	48515	50365	CDS product DNA packaging protein UL32	50119-50141 4:01:01	CCACTGGGCGCTCCCCAGGAACC
51950	51960	51262	54924	CDS product DNA polymerase catalytic subunit	51950-51960 4:01:01	CCTCCGCCGCC
52441	52463	51262	54924	CDS product DNA polymerase catalytic subunit	52441-52463 4:01:01	
CCGTTTGCCACACCGGTGAATCC						
52817	52875	51262	54924	CDS product DNA polymerase catalytic subunit	52817-52875 10:07:02	
CCTTTGCTCCTTGGTATCCCACAATCCTACCTGTGCCGGGTTTTCCGCCCCCTGTTTC						
53970	53988	51262	54924	CDS product DNA polymerase catalytic subunit	53970-53988 5:02:01	
GGTTCCGGGCCGGAGGCGG						
54217	54245	51262	54924	CDS product DNA polymerase catalytic subunit	54217-54245 7:04:01	
CCTCCCCACCAGCCGCCGTGTTTCCACC						
54589	54623	51262	54924	CDS product DNA polymerase catalytic subunit	54589-54623 6:03:01	
CCGTTCCAAACCCGAATCCTGCGAGGCCAGCAACC						
55390	55407	55178	58804	CDS product single-stranded DNA-binding protein	55390-55407 4:01:01	
GGCCTTGCGGCGCTGGG						
55521	55538	55178	58804	CDS product single-stranded DNA-binding protein	55521-55538 4:01:01	
GGCAAGACGGAGGTTTGG						
55546	55562	55178	58804	CDS product single-stranded DNA-binding protein	55546-55562 4:01:01	
CCATTTTCCTCCCCACC						

56040	56064	55178	58804	CDS product single-stranded DNA-binding protein	56040-56064 4:01:01
GGGAACCTCTGGTAAAGGTTCTGGG					
56079	56094	55178	58804	CDS product single-stranded DNA-binding protein	56079-56094 4:01:01 GGGGGACGGTAGCGGG
56296	56314	55178	58804	CDS product single-stranded DNA-binding protein	56296-56314 4:01:01
GGCCTGGTTGGCGCCATGG					
56387	56413	55178	58804	CDS product single-stranded DNA-binding protein	56387-56413 5:02:01
CCAATCCTTCTTACCACCGCTTTTACC					
56480	56502	55178	58804	CDS product single-stranded DNA-binding protein	56480-56502 4:01:01
CCGAGACCAGCCAGCTGCTCCC					
56987	57006	55178	58804	CDS product single-stranded DNA-binding protein	56987-57006 4:01:01
CCGGCACCTGCTCGGCCTCC					
57280	57297	55178	58804	CDS product single-stranded DNA-binding protein	57280-57297 4:01:01
GGTCAGTCGGTGGAGGGG					
57466	57493	55178	58804	CDS product single-stranded DNA-binding protein	57466-57493 5:02:01
GGGGACATGGCTAGGGTTAGCATGGAGG					
57631	57649	55178	58804	CDS product single-stranded DNA-binding protein	57631-57649 4:01:01
GGTGCGGTTGGCTTTTTTG					
57704	57715	55178	58804	CDS product single-stranded DNA-binding protein	57704-57715 4:01:01 CCCCCAACCCCC
57956	57978	55178	58804	CDS product single-stranded DNA-binding protein	57956-57978 4:01:01
CCAGACGACCTCGTGATCCGGCC					
57975	57993	55178	58804	CDS product single-stranded DNA-binding protein	57975-57993 4:01:01
GGCCGCGGTATTGGCCTGG					
58200	58229	55178	58804	CDS product single-stranded DNA-binding protein	58200-58229 6:03:01

GGCAGGCAACTGGAATGGCCTCAACGGCGG					
58311	58333	55178	58804	CDS product single-stranded DNA-binding protein	58311-58333 6:03:01
GGCTGGCGGATTTGGTATGGGG					
58540	58567	55178	58804	CDS product single-stranded DNA-binding protein	58540-58567 5:02:01
GGGGAGTGGAGCGTGGAGGCCGCCAGG					
60624	60641	58964	61285	CDS product DNA packaging terminase subunit 2	60624-60641 4:01:01
GGCGGTGAGTGGCGCCGG					
60887	60918	58964	61285	CDS product DNA packaging terminase subunit 2	60887-60918 5:02:01
GGTTTATGGTTACTGCGGCTAAAGGTGATTGG					
61299	61313	61147	64074	CDS product envelope glycoprotein B	61299-61313 4:01:01 CCAGCTACCTCCCCC
61422	61464	61147	64074	CDS product envelope glycoprotein B	61422-61464 6:03:01
CCCAGTACTCCCGCTCAACCCAGTCCGCTAAAACCGTTGACC					
61552	61564	61147	64074	CDS product envelope glycoprotein B	61552-61564 4:01:01 CCTGCCCCGCCGCC
61980	61997	61147	64074	CDS product envelope glycoprotein B	61980-61997 4:01:01 GGATGGATGCCATGGAGG
62709	62739	61147	64074	CDS product envelope glycoprotein B	62709-62739 6:03:01
CCAGAACCTACTCCAACCCAAGAGAGCCTCC					
63576	63605	61147	64074	CDS product envelope glycoprotein B	63576-63605 6:03:01
GGCCTTGTAAGGTGGGAGAGGCAGTTGGG					
63618	63633	61147	64074	CDS product envelope glycoprotein B	63618-63633 4:01:01 GGAGCGGCTGGCGCGG
63696	63723	61147	64074	CDS product envelope glycoprotein B	63696-63723 4:01:01 GGCTGTTGGTAATTGCGGGCTTAGTGG
64317	64339	64268	64750	CDS product protein V32	64317-64339 4:01:01 GGCTGCATCGGCTACCGCGGCGG
64607	64626	64268	64750	CDS product protein V32	64607-64626 4:01:01 CCAGGGACCCCCATGTGTCC
64677	64697	64268	64750	CDS product protein V32	64677-64697 4:01:01 CCCAGACACACCCACCGCCCC

65060	65076	64827	65822	CDS product capsid scaffold protein	65060-65076 4:01:01	GGCGGGCACCGGTGTGG
65182	65203	64827	65822	CDS product capsid scaffold protein	65182-65203 4:01:01	GGGGAACGCCCGGTGGGACGGG
65970	65995	64827	66770	CDS product capsid maturation protease	65970-65995 5:02:01	
CCGCAGGTGCCAACCAGCTCCGCCCC						
66063	66084	64827	66770	CDS product capsid maturation protease	66063-66084 4:01:01	CCCTCTATGCCGGCCTCGCGCC
66489	66515	64827	66770	CDS product capsid maturation protease	66489-66515 5:02:01	
CCTGCCGAGTTGCCAAAACCGCACCC						
66580	66598	64827	66770	CDS product capsid maturation protease	66580-66598 4:01:01	CCTCCCCTACCACACACCC
67734	67744	66885	68648	CDS product DNA packaging tegument protein UL25	67734-67744 4:01:01	CCTCCTCCCC
67795	67817	66885	68648	CDS product DNA packaging tegument protein UL25	67795-67817 5:02:01	
CCACCTTCCCGATGGCTCCATCC						
67949	67964	66885	68648	CDS product DNA packaging tegument protein UL25	67949-67964 4:01:01	GGCGGAATATGGACGG
68101	68141	66885	68648	CDS product DNA packaging tegument protein UL25	68101-68141 7:04:01	
CCCTGTACCAGGTGCCAAAACCACTCCGTTTGACCCTCCC						
68356	68378	66885	68648	CDS product DNA packaging tegument protein UL25	68356-68378 4:01:01	
CCACTTTAGCCACTTGCCGCTCC						
69157	69172	68749	69567	CDS product nuclear protein UL24	69157-69172 4:01:01	GGAGGCAAGGTTTTGG
69883	69917	69582	70640	CDS product thymidine kinase	69883-69917 6:03:01	
CCAAAGCCGCTTTACCACGCCCTACCTGATACTCC						
69994	70015	69582	70640	CDS product thymidine kinase	69994-70015 5:02:01	CCGCCACCCGGTCGCTCTACC
70262	70287	69582	70640	CDS product thymidine kinase	70262-70287 4:01:01	GGGCGAGTTTGGCGCGACGGTTGGGG
71166	71183	70858	73425	CDS product envelope glycoprotein H	71166-71183 4:01:01	CCTCCCAAACACCAACCC
71199	71224	70858	73425	CDS product envelope glycoprotein H	71199-71224 4:01:01	CCAGAACCCGGTGACCCACGCGGACC

71370	71388	70858	73425	CDS product envelope glycoprotein H
71717	71728	70858	73425	CDS product envelope glycoprotein H
72685	72710	70858	73425	CDS product envelope glycoprotein H
72723	72739	70858	73425	CDS product envelope glycoprotein H
74379	74398	74243	75832	CDS product tegument protein UL21
74421	74436	74243	75832	CDS product tegument protein UL21
74680	74712	74243	75832	CDS product tegument protein UL21
GGCATCGGCCACCAGGTGGGGTCTGGTAACGG				
74946	74971	74243	75832	CDS product tegument protein UL21
75224	75241	74243	75832	CDS product tegument protein UL21
75518	75550	74243	75832	CDS product tegument protein UL21
CCAAAAGCCTGGGTACCCTGGACCAATACTTCC				
77494	77514	77301	81428	CDS product major capsid protein
77707	77727	77301	81428	CDS product major capsid protein
78181	78206	77301	81428	CDS product major capsid protein
78569	78613	77301	81428	CDS product major capsid protein
CCAACCCAGGACAGCCAGATCCCCGAACCTACCCACCCAGACC				
78715	78731	77301	81428	CDS product major capsid protein
79120	79143	77301	81428	CDS product major capsid protein
79430	79452	77301	81428	CDS product major capsid protein
79554	79580	77301	81428	CDS product major capsid protein
79860	79904	77301	81428	CDS product major capsid protein
CCCCACCAGCCCCAGCGACCCGCGCCACCCGCTCAATCCGCGCC				

71370-71388	4:01:01	GGCAACCCGGTTGGAGTGG
71717-71728	4:01:01	CCGCCTTCCCCC
72685-72710	5:02:01	CCGTTATCCCACCTCGCCTGTACACC
72723-72739	4:01:01	GGCTTGAGGACGACGG
74379-74398	4:01:01	CCACCGGCAAGCCGCTTCCC
74421-74436	4:01:01	CCGCCCCCCCATAACC
74680-74712	7:04:01	
74946-74971	5:02:01	CCAAGCCCGGCCATGGTTCCTCAACC
75224-75241	4:01:01	GGGGCCTGGATACGGGG
75518-75550	5:02:01	
77494-77514	4:01:01	GGTGCGTTTTTGGAGCTCGG
77707-77727	4:01:01	GGCTTTGGGTCTGATAGGAGG
78181-78206	5:02:01	GGAGGATATGGCCGCGGACGTTCCGG
78569-78613	8:05:02	
78715-78731	4:01:01	GGTGCCATCAGGAGGG
79120-79143	5:02:01	GGCTACGGTTTTGGCGGTACGTGG
79430-79452	4:01:01	GGGAAGCAGTGGGTGGACAGGG
79554-79580	5:02:01	GGGCACAGGATCTATGGGTGGATGGGG
79860-79904	9:06:02	

80754	80787	77301	81428	CDS product major capsid protein	80754-80787 6:03:01
CCGGAAACCGCCTAGGACCCCAAGGTCCCCGCC					
80996	81027	77301	81428	CDS product major capsid protein	80996-81027 5:02:01
CCCCTTACCCCAACCGTGCTACCGTTAACCC					
81696	81716	81661	82605	CDS product capsid triplex subunit 2	81696-81716 4:01:01 CCAGGAGACCTGTCTCCTTCC
82235	82260	81661	82605	CDS product capsid triplex subunit 2	82235-82260 5:02:01
GGTCAACGGAGTGGCGAGGTCGCTGG					
82397	82429	81661	82605	CDS product capsid triplex subunit 2	82397-82429 6:03:01
CCAGCTTATCCACCAGCAGCCCGTACCCAGCC					
82732	82747	82703	88469	CDS product DNA packaging terminase subunit 1	82732-82747 5:02:01 GGTGGTAGGTGGAAGG
83331	83350	82703	88469	CDS product DNA packaging terminase subunit 1	83331-83350 4:01:01
CCACGCCGGTTCCTGAAGCC					
84312	84336	84037	86157	CDS product DNA packaging tegument protein UL17	84312-84336 5:02:01
CCTACTATTCCTTCAGACCACCCC					
84743	84759	84037	86157	CDS product DNA packaging tegument protein UL17	84743-84759 4:01:01
GGCGCGGCTTGAGGAGG					
85291	85305	84037	86157	CDS product DNA packaging tegument protein UL17	85291-85305 4:01:01 GGGGGGTAGGAGGG
85458	85472	84037	86157	CDS product DNA packaging tegument protein UL17	85458-85472 4:01:01 CCACCGCCTGTGGCC
86218	86235	86176	87285	CDS product tegument protein UL16	86218-86235 4:01:01 CCTCGTTGTCCCCAACC
86601	86624	86176	87285	CDS product tegument protein UL16	86601-86624 5:02:01 CCGTCCGACGTGCCCAACCCTGCC
86723	86748	86176	87285	CDS product tegument protein UL16	86723-86748 5:02:01 GGCACCGGGTGTGGTGGTATAAGG
86808	86830	86176	87285	CDS product tegument protein UL16	86808-86830 5:02:01 GGTGGAAGGCCAGAGGTTGGG
86996	87006	86176	87285	CDS product tegument protein UL16	86996-87006 4:01:01 GGTGGAGGGGG

87156	87171	86176	87285	CDS product tegument protein UL16	87156-87171 4:01:01 GGATGGAACTGGTGG
87724	87735	82703	88469	CDS product DNA packaging terminase subunit 1	87724-87735 4:01:01 GGCGGATGGTGG
88888	88936	88499	89464	CDS product tegument protein UL14	88888-88936 9:06:02
GGTGGCAGCGGTGAAGCAGGCGAGTCGGAGGAATGGCTCGGTCACGAGG					
89341	89369	88499	89464	CDS product tegument protein UL14	89341-89369 6:03:01
GGCCCGGCCAGTCAGGAATGGCTGGGTGG					
89616	89635	88921	90717	CDS product tegument serine/threonine protein kinase	89616-89635 4:01:01
GGAGGTGCCGGAAGTTATGG					
91036	91059	90699	92396	CDS product deoxyribonuclease	91036-91059 4:01:01 GGTGGGACAAATGGAGATTGAGGG
91428	91443	90699	92396	CDS product deoxyribonuclease	91428-91443 4:01:01 CCGAAGCCGCCACCCC
91550	91571	90699	92396	CDS product deoxyribonuclease	91550-91571 4:01:01 GGTGTTGTGGGGCATCTTTGG
92266	92294	90699	92396	CDS product deoxyribonuclease	92266-92294 4:01:01 GGTGATTGTGGACCGCGAGGGTTGCTGGG
92467	92486	92348	92575	CDS product myristylated tegument protein	92467-92486 5:02:01 CCCCCGCCCCCCCCGAGGCC
93336	93355	92681	94033	CDS product envelope glycoprotein M	93336-93355 4:01:01 CCGCGCGTCCGTGGCCCGCC
94139	94160	93951	96614	CDS product DNA replication origin-binding helicase	94139-94160 4:01:01
GGGGGAGACTTGGAAGAGTGGG					
95557	95575	93951	96614	CDS product DNA replication origin-binding helicase	95557-95575 4:01:01
CCAATTCCCCTGACCGCC					
96035	96050	93951	96614	CDS product DNA replication origin-binding helicase	96035-96050 4:01:01
GGGGGTCCGGGCTGG					
96627	96653	96626	98881	CDS product helicase-primase subunit	96627-96653 5:02:01
GGGGGAAAACGTGGAATGGTTTAATGG					
96867	96899	96626	98881	CDS product helicase-primase subunit	96867-96899 5:02:01

GGTACCTGGGTGTTGGCCGTTGGCCCTCTGGG						
98134	98153	96626	98881	CDS product helicase-primase subunit	98134-98153	4:01:01 GGCTTTTGGGGGCAGCTGG
99078	99100	98942	99850	CDS product tegument protein UL7	99078-99100	5:02:01 GGGGCAGGGTTTATCGGGTTGG
99199	99232	98942	99850	CDS product tegument protein UL7	99199-99232	5:02:01
GGGGAGCACTCGGGTCTGGTCAAACGGGTTGTGG						
99661	99687	98942	99850	CDS product tegument protein UL7	99661-99687	5:02:01 GGTCGTGAAGGAAGGGGCAGCCCCGGG
99780	99796	98942	99850	CDS product tegument protein UL7	99780-99796	4:01:01 CCTCCACCATTTCGTCC
100472	100488	99648	101891	CDS product capsid portal protein	100472-100488	4:01:01 CCCGCCGTTTCCAGCCC
101126	101156	99648	101891	CDS product capsid portal protein	101126-101156	6:03:01
CCTCGCCAGTTCAACCACAGCCTCCAACCCC						
101952	101966	101875	104517	CDS product helicase-primase helicase subunit	101952-101966	4:01:01
CCGTCTACCTCCTCC						
104775	104794	104567	105250	CDS product nuclear protein UL4	104775-104794	4:01:01 GGTGCTGGATTGTGGCGTGG
104822	104850	104567	105250	CDS product nuclear protein UL4	104822-104850	5:02:01
CCGATAGCACCAGAGTTCCACTAACCACC						
105012	105030	104567	105250	CDS product nuclear protein UL4	105012-105030	4:01:01 CCATGCCCTGACCTGTACC
106466	106487	105971	106606	CDS product nuclear protein UL3	106466-106487	5:02:01 GGGGTTGTGGGAGCGGTGGTGG
106557	106578	105971	106606	CDS product nuclear protein UL3	106557-106578	5:02:01 CCTCGACCGGCCATCCCCACCC
107008	107036	106696	107640	CDS product uracil-DNA glycosylase	107008-107036	4:01:01
CCCTGACTGGCCATTTATCCAAAAATCC						
107154	107175	106696	107640	CDS product uracil-DNA glycosylase	107154-107175	4:01:01 GGGTGCATGGTACGGATCCTGG
107171	107196	106696	107640	CDS product uracil-DNA glycosylase	107171-107196	4:01:01
CCTGGCCCACGATAACCACACGAACC						

107528 107552 106696 107640 CDS product uracil-DNA glycosylase GGCTGGCTTTGCTGGTGGGTATTGG	107528-107552 5:02:01
110229 110260 110103 111713 CDS product ubiquitin E3 ligase ICP0 GGGGACAACGGGTCTGGGTATGGCACAGGTGG	110229-110260 6:03:01
110770 110788 110103 111713 CDS product ubiquitin E3 ligase ICP0	110770-110788 4:01:01 CCCCCACGGCTTCCCGACC
110858 110904 110103 111713 CDS product ubiquitin E3 ligase ICP0 CCTTCTACCCCGTCCCCCGTCTTCCCGTCTTCCACGTCTACCCC	110858-110904 7:04:01
110912 110954 110103 111713 CDS product ubiquitin E3 ligase ICP0 GGGTGCGTTAGGCCTGGGTGCACGGGTCTGGGGTTTTCTGGG	110912-110954 6:03:01
113124 113147 113094 117422 CDS product transcriptional regulator ICP4 CCGTCCTCCTCGTCCGATACCACC	113124-113147 6:03:01
113212 113233 113094 117422 CDS product transcriptional regulator ICP4 CCAGCTCCACGTCCCCCGGTCC	113212-113233 5:02:01
113313 113337 113094 117422 CDS product transcriptional regulator ICP4 CCGAACCCCGGTCCCACTCAACCC	113313-113337 4:01:01
113340 113356 113094 117422 CDS product transcriptional regulator ICP4 GGGGCTCGGCGGCGAGG	113340-113356 4:01:01
113456 113475 113094 117422 CDS product transcriptional regulator ICP4 GGCGGGCTCCACGGCCCCGG	113456-113475 4:01:01
113464 113488 113094 117422 CDS product transcriptional regulator ICP4 CCACGGCCCCGGTCCGCGCCGTCC	113464-113488 5:02:01
113524 113556 113094 117422 CDS product transcriptional regulator ICP4 GGCCCCATCGGTTGGCCGCGGGTGGCTCTGGG	113524-113556 6:03:01

113664	113682	113094	117422	CDS product transcriptional regulator ICP4 GGTGGCAGTGGAACGCGGG	113664-113682	4:01:01	
113691	113730	113094	117422	CDS product transcriptional regulator ICP4 CCGGCCCCGGGTGTCCACCGTGTAGGCCACGTTGGCCGCCC	113691-113730	7:04:01	
113812	113857	113094	117422	CDS product transcriptional regulator ICP4 GGGTGCTGGAAGTGAGGACCGCGCGGCTGAGGTGGCGCTCCCGGGG	113812-113857	7:04:01	
113911	113929	113094	117422	CDS product transcriptional regulator ICP4 GGTACTGGCTGATGGCGGG	113911-113929	4:01:01	
113931	113948	113094	117422	CDS product transcriptional regulator ICP4 CCGTCCTGGGGCCAGTCC	113931-113948	4:01:01	
113987	114005	113094	117422	CDS product transcriptional regulator ICP4 GGCGGAGCCCAGGCGAAGG	113987-114005	4:01:01	
114047	114078	113094	117422	CDS product transcriptional regulator ICP4 GGAGAGGAGCAGGACTCCCTGGGCGTTTAGGG	114047-114078	5:02:01	
114095	114114	113094	117422	CDS product transcriptional regulator ICP4 CCCAGTCCAGTTGCCAGCCC	114095-114114	4:01:01	
114139	114179	113094	117422	CDS product transcriptional regulator ICP4 CCCGGTTCCCCAGGGCCGCCAGCAGCGCCGAGAGCCCCCCC	114139-114179	7:04:01	
114218	114233	113094	117422	CDS product transcriptional regulator ICP4	114218-114233	4:01:01	GGGTCGGGTGGTTGGG
114237	114257	113094	117422	CDS product transcriptional regulator ICP4 CCACCCAGCAGGTCCTCGTCC	114237-114257	4:01:01	
114320	114348	113094	117422	CDS product transcriptional regulator ICP4 GGCAGCCCCGGCGGCGAGCGGTCCGCTGG	114320-114348	6:03:01	

114372	114391	113094	117422	CDS product transcriptional regulator ICP4 CCCTCCCTGGCCGAGGCC	114372-114391	4:01:01	
114400	114473	113094	117422	CDS product transcriptional regulator ICP4 GGGCTGCGATGGTAGCCAGGGCCTGGGGTCTGAAGGTAAGCGCGGGCGCCAGGCCTCGGGGAACAGCGGGTGG	114400-114473	11:08:02	
114530	114545	113094	117422	CDS product transcriptional regulator ICP4	114530-114545	4:01:01	GGGGGTGGCGTGTGG
114580	114607	113094	117422	CDS product transcriptional regulator ICP4 GGCGGTGTGGCCCTCGGGCGGCATGGG	114580-114607	6:03:01	
114687	114725	113094	117422	CDS product transcriptional regulator ICP4 CCTCCGCGGGACCCGGGAGCTCCCCGCCCGGCTCC	114687-114725	8:05:02	
114740	114769	113094	117422	CDS product transcriptional regulator ICP4 CCGCTTCCCGCTCTTGCCCTGGGGCGCCC	114740-114769	4:01:01	
114776	114808	113094	117422	CDS product transcriptional regulator ICP4 GGGACGGTCGTTCGGGGAGGCGTAGGGTGCCGG	114776-114808	6:03:01	
114805	114821	113094	117422	CDS product transcriptional regulator ICP4 CCGGTCCGCCCCCTCCC	114805-114821	5:02:01	
114844	114876	113094	117422	CDS product transcriptional regulator ICP4 GGCCGAGGATAGCCTGGGAGGCAGCCGGTGGGG	114844-114876	6:03:01	
114896	114937	113094	117422	CDS product transcriptional regulator ICP4 GGGGCGAGCCTGGGTCTGGGTGGCCCGGAGCAGGTTGTCGG	114896-114937	7:04:01	
115002	115049	113094	117422	CDS product transcriptional regulator ICP4 GGCTTCCCGGAACAGTGGGCCACAAGGCGGGGATGCGGGAGGTCTGG	115002-115049	8:05:02	
115058	115071	113094	117422	CDS product transcriptional regulator ICP4	115058-115071	4:01:01	GGAGGAGGAGAGGG
115137	115166	113094	117422	CDS product transcriptional regulator ICP4	115137-115166	6:03:01	

CCCACGGCTTCCCCAACATGCCCCGGCC			
115187 115224 113094 117422 CDS product transcriptional regulator ICP4	115187-115224	7:04:01	
GGCCTGGGTGATGGTCCAGGCCGAGGCCCGGGCCCGGG			
115202 115232 113094 117422 CDS product transcriptional regulator ICP4	115202-115232	6:03:01	
CCAGGCCGAGGCCCGGGCCCGGGCTCCCTCC			
115267 115289 113094 117422 CDS product transcriptional regulator ICP4	115267-115289	4:01:01	
CCACAACCAGAACCGCGCGGACC			
115307 115328 113094 117422 CDS product transcriptional regulator ICP4	115307-115328	5:02:01	
GGGGCCCAGGCGGTGGATAGGG			
115430 115451 113094 117422 CDS product transcriptional regulator ICP4	115430-115451	5:02:01	
GGGAGGGCAGGCGGGAGAGGGG			
115568 115605 113094 117422 CDS product transcriptional regulator ICP4	115568-115605	8:05:02	
GGCGGTAGGCTTGGGGTTCTGGTACCAGGACCCGCGG			
115593 115610 113094 117422 CDS product transcriptional regulator ICP4	115593-115610	4:01:01	
CCAGGACCCGCGGCCGCC			
115619 115644 113094 117422 CDS product transcriptional regulator ICP4	115619-115644	4:01:01	
CCGTGGCCCGAGGGCCGCGCACACC			
115676 115690 113094 117422 CDS product transcriptional regulator ICP4	115676-115690	4:01:01	GGCCGGGGGATCCGG
115729 115745 113094 117422 CDS product transcriptional regulator ICP4	115729-115745	4:01:01	
CCGTGACCCCGGCCGCC			
115840 115869 113094 117422 CDS product transcriptional regulator ICP4	115840-115869	5:02:01	
GGTCGTAGCGGCGGCTCATGGCCACCGAGG			
115901 115921 113094 117422 CDS product transcriptional regulator ICP4	115901-115921	4:01:01	

CCCGGCCGCCATGGCGTCCCC						
115996 116022 113094 117422 CDS product transcriptional regulator ICP4	115996-116022	5:02:01				
GGCAGAACTGGGCCAGGTTCTGGTCGG						
116136 116157 113094 117422 CDS product transcriptional regulator ICP4	116136-116157	5:02:01				
GGTACGGCGGTCTGGGCTTCGG						
116194 116227 113094 117422 CDS product transcriptional regulator ICP4	116194-116227	6:03:01				
CCCAGAGCCCGTCCCGCGAGTCCCGGTTCCCCC						
116264 116284 113094 117422 CDS product transcriptional regulator ICP4	116264-116284	4:01:01				
GGGCCATGGGTCTCCGGATGG						
116370 116426 113094 117422 CDS product transcriptional regulator ICP4	116370-116426	11:08:02				
GGGAGGGCCTCTTCGGCCCCGGTTGTGGCGCGGTCTGGGGTATGGGTCTTGGGTGG						
116557 116570 113094 117422 CDS product transcriptional regulator ICP4	116557-116570	4:01:01	CCCTAACCCCTCC			
116595 116637 113094 117422 CDS product transcriptional regulator ICP4	116595-116637	6:03:01				
GGGCGAGGGGCCCGCCCGGTTACTCGGGTGGGAGCGCCGG						
116742 116797 113094 117422 CDS product transcriptional regulator ICP4	116742-116797	11:08:02				
GGGACCCGGTGGCCGTTGGGTTTTTGC GCGCTCGGCGAGGATGGGGGCGAGG						
116930 116954 113094 117422 CDS product transcriptional regulator ICP4	116930-116954	5:02:01				
CCGGCCCCTTGGCGCCGCCTCCCC						
116957 117009 113094 117422 CDS product transcriptional regulator ICP4	116957-117009	10:07:02				
GGGGGAGGCCGAGGGTGGAACTCGGCCCGGGAGACCCCGGCAGGTCTCGG						
117039 117083 113094 117422 CDS product transcriptional regulator ICP4	117039-117083	8:05:02				
CCTCCGCCGATGATCCGGTGTCCCTGCGACCGGCCCTGTAGCC						
117166 117190 113094 117422 CDS product transcriptional regulator ICP4	117166-117190	5:02:01				

CCGGAGACCGCTTTGCCTTCCCGCC			
117193 117221 113094 117422 CDS product transcriptional regulator ICP4	117193-117221	7:04:01	
GGGGCTCGGGGGCCGGGAAGGCGGCGGG			
117256 117280 113094 117422 CDS product transcriptional regulator ICP4	117256-117280	4:01:01	
CCACCCCAAACATCCCCTGGCTTCC			
117294 117311 113094 117422 CDS product transcriptional regulator ICP4	117294-117311	4:01:01	
GGGGCGGCCGGGTATGG			
117323 117347 113094 117422 CDS product transcriptional regulator ICP4	117323-117347	4:01:01	
GGCCGCGCTGGCTGCGCGGATGAGG			
120131 120166 120069 120923 CDS product regulatory protein ICP22	120131-120166	8:05:02	
CCGTCCACCAGCCCCATCATACCTCCCTGTCCCCC			
120181 120200 120069 120923 CDS product regulatory protein ICP22	120181-120200	4:01:01	CCCATCCCCACGCTCCAGCC
120599 120623 120069 120923 CDS product regulatory protein ICP22	120599-120623	5:02:01	
CCGCCCAGCAAGCCACCCAAAACCC			
120670 120687 120069 120923 CDS product regulatory protein ICP22	120670-120687	4:01:01	GGAGGAAGAGGCTAGCGG
120823 120851 120069 120923 CDS product regulatory protein ICP22	120823-120851	6:03:01	
CCCCACCAACCTCCCACCACAGTGCCC			
123126 123138 122631 123491 CDS product virion protein V67	123126-123138	4:01:01	GGAGGTGGTAGGG
123669 123688 123585 124559 CDS product virion protein US2	123669-123688	4:01:01	GGAGATAGGTGCTAGGTGG
125395 125435 124695 125849 CDS product serine/threonine protein kinase US3	125395-125435	7:04:01	
GGTTGTGGACCCCATGGACCTTGGTTTGGCTGGTACCGTGG			
126059 126083 125970 127277 CDS product envelope glycoprotein G	126059-126083	4:01:01	
CCCCGCAAAACCGGTCCCATGCCCC			

127602	127642	127455	129707	CDS product envelope glycoprotein J
CCCCCACCACGGGCCCCACTACCACATCTTCCCAAACATCC				
128583	128595	127455	129707	CDS product envelope glycoprotein J
128961	128982	127455	129707	CDS product envelope glycoprotein J
129282	129302	127455	129707	CDS product envelope glycoprotein J
129897	129913	129798	131006	CDS product envelope glycoprotein D
129929	129947	129798	131006	CDS product envelope glycoprotein D
130718	130734	129798	131006	CDS product envelope glycoprotein D
131507	131529	131111	132373	CDS product envelope glycoprotein I
131626	131643	131111	132373	CDS product envelope glycoprotein I
131755	131772	131111	132373	CDS product envelope glycoprotein I
131956	131985	131111	132373	CDS product envelope glycoprotein I
CCACCCCCCAAACCGCAAACCACTTCTTCC				
132203	132222	131111	132373	CDS product envelope glycoprotein I
132269	132290	131111	132373	CDS product envelope glycoprotein I
133362	133389	132593	134239	CDS product envelope glycoprotein E
CCCAACCGCTATGGCCTGCCTGCACCCC				
133618	133635	132593	134239	CDS product envelope glycoprotein E
134041	134058	132593	134239	CDS product envelope glycoprotein E
134107	134130	132593	134239	CDS product envelope glycoprotein E
134173	134192	132593	134239	CDS product envelope glycoprotein E
134470	134492	134273	134605	CDS product membrane protein US8A
135041	135054	134911	135573	CDS product membrane protein US9

127602-127642	7:04:01	
128583-128595	4:01:01	CCACCAAACCCCC
128961-128982	5:02:01	CCCCACCCCCACAAGGCAACC
129282-129302	4:01:01	CCACAATACCATGTCCAGGCC
129897-129913	4:01:01	GGCGTGTGGTTCGGGGG
129929-129947	4:01:01	CCCGAGTTTCCACCACCCC
130718-130734	4:01:01	CCAAAACCCAATCCACC
131507-131529	4:01:01	CCCGGCCACAGCCCGAGATTCC
131626-131643	4:01:01	CCAGAGCCAGTTCCAACC
131755-131772	4:01:01	CCGACTCCTCGCCCAGCC
131956-131985	6:03:01	
132203-132222	4:01:01	GGAGCCGGTTGGCGTGTGGG
132269-132290	5:02:01	CCTCGCCACCATCCCACAAGCC
133362-133389	5:02:01	
133618-133635	4:01:01	GGACATCCGGAGGCGTGG
134041-134058	5:02:01	CCACAACCTCCACCAGCC
134107-134130	5:02:01	GGCCGGTCGGGTTTCAAGGTCTGG
134173-134192	4:01:01	CCAACCCACCCGTCGGACC
134470-134492	5:02:01	CCACCATCTCCAGAACCCGAGCC
135041-135054	4:01:01	GGCAGAGGCGGTGG

135065	135087	134911	135573	CDS product membrane protein US9	135065-135087	4:01:01	GGAGGTAGCTACGGCTGCTTTGG
135206	135224	134911	135573	CDS product membrane protein US9	135206-135224	4:01:01	CCCCCGTCCCCAGAGGCC
135221	135246	134911	135573	CDS product membrane protein US9	135221-135246	5:02:01	
GGCCGTAGGTATTGAGGATGTGGTGG							
135418	135435	134911	135573	CDS product membrane protein US9	135418-135435	4:01:01	CGCCAGCCTGTTCATCC
135439	135473	134911	135573	CDS product membrane protein US9	135439-135473	8:05:02	
GGGTCGGCCGGCGGCAGGCGCGGCGACACAGGCGG							
135968	136035	135917	136603	CDS product virion protein US10	135968-136035	13:10:03	
GGGGGCAGGGGAGCGGGAGCTTTCGGCCTCGGGTACGCAGGTACGCGGCGGCGGCGGCGTGTCTGGGG							
136044	136079	135917	136603	CDS product virion protein US10	136044-136079	7:04:01	
CCGGATCGGCCCCCGCCATGTCCAGCAGCGCCACCC							
136253	136276	135917	136603	CDS product virion protein US10	136253-136276	4:01:01	GGCGGGCGCCTAGGTCTACCAGG
136272	136288	135917	136603	CDS product virion protein US10	136272-136288	4:01:01	CCAGGTACCTCCCCACC
136525	136551	135917	136603	CDS product virion protein US10	136525-136551	6:03:01	CCCCTACCGCCTCCGCAGTCTCCCCC
136562	136576	135917	136603	CDS product virion protein US10	136562-136576	4:01:01	CCCCGTCTACCGCC
137197	137225	137127	137981	CDS product regulatory protein ICP22	137197-137225	6:03:01	
GGGCACGTGTGGTGGGAGGGTTGGTGGGG							
137361	137378	137127	137981	CDS product regulatory protein ICP22	137361-137378	4:01:01	CCGCTAGCCTCTTCCTCC
137425	137449	137127	137981	CDS product regulatory protein ICP22	137425-137449	5:02:01	
GGGTTTTGGGTGGCTTGCTGGGCGG							
137848	137867	137127	137981	CDS product regulatory protein ICP22	137848-137867	4:01:01	GGCTGGAGCGTGGGGATGGG
137882	137917	137127	137981	CDS product regulatory protein ICP22	137882-137917	8:05:02	
GGGGGACAGGGAGGGTATGATGGGGCTGGTGGACGG							

140701	140725	140628	144956	CDS product transcriptional regulator ICP4 CCTCATCCGCGCAGCCAGCGCGGCC	140701-140725	4:01:01
140737	140754	140628	144956	CDS product transcriptional regulator ICP4 CCATACCCCGGCCGCCCC	140737-140754	4:01:01
140768	140792	140628	144956	CDS product transcriptional regulator ICP4 GGAAGCCAGGGGATGTTGGGGTGG	140768-140792	4:01:01
140827	140855	140628	144956	CDS product transcriptional regulator ICP4 CCCGCCGCTTCCCCGCCCCGAGCCCC	140827-140855	7:04:01
140858	140882	140628	144956	CDS product transcriptional regulator ICP4 GGCGGAAGGCAAAGCGGTCTCCGG	140858-140882	5:02:01
140965	141009	140628	144956	CDS product transcriptional regulator ICP4 GGCTACAGGGCCGGTCGCAGGGACACGGATCATCGGGCGGAGG	140965-141009	8:05:02
141039	141091	140628	144956	CDS product transcriptional regulator ICP4 CCGAGACCTGCCGGGGTCTCCCGGGCCGAGTTTCCACCCTCGGCCTCCCC	141039-141091	10:07:02
141094	141118	140628	144956	CDS product transcriptional regulator ICP4 GGGGAGGCCGGCGCCAAGGGGCCGG	141094-141118	5:02:01
141251	141306	140628	144956	CDS product transcriptional regulator ICP4 CCTCGCCCCATCCCTCGCGAGCGCGCAAAAACCAACCGGCCACCGGTCCCC	141251-141306	11:08:02
141411	141453	140628	144956	CDS product transcriptional regulator ICP4 CCGGCGTCCCACCCGAGTAACCGGGCGGGCCCCTCGCCCC	141411-141453	6:03:01
141478	141491	140628	144956	CDS product transcriptional regulator ICP4	141478-141491	4:01:01 GGAGGGGGTTAGGG
141622	141678	140628	144956	CDS product transcriptional regulator ICP4 CCACCCAAGACCCATACCCAGACCGCGCCACAACCGGGGCCGAAGAGGCCCTCCC	141622-141678	11:08:02

141764	141784	140628	144956	CDS product transcriptional regulator ICP4	141764-141784	4:01:01	
CCATCCGGAGACCCATGGCCC							
141821	141854	140628	144956	CDS product transcriptional regulator ICP4	141821-141854	6:03:01	
GGGGGAACCGGGGACTCGCGGGACGGGCTCTGGG							
141891	141912	140628	144956	CDS product transcriptional regulator ICP4	141891-141912	5:02:01	
CCGAAGCCCAGACCGCCGTACC							
142026	142052	140628	144956	CDS product transcriptional regulator ICP4	142026-142052	5:02:01	
CCGACCAGAACCTGGCCCAGTTCTGCC							
142127	142147	140628	144956	CDS product transcriptional regulator ICP4	142127-142147	4:01:01	
GGGGACGCCATGGCGGCCGGG							
142179	142208	140628	144956	CDS product transcriptional regulator ICP4	142179-142208	5:02:01	
CCTCGGTGGCCATGAGCCGCCGCTACGACC							
142303	142319	140628	144956	CDS product transcriptional regulator ICP4	142303-142319	4:01:01	
GGCGGCCGGGGTCACGG							
142358	142372	140628	144956	CDS product transcriptional regulator ICP4	142358-142372	4:01:01	CCGGATCCCCCGGCC
142404	142429	140628	144956	CDS product transcriptional regulator ICP4	142404-142429	4:01:01	
GGGTGTGCGCGGCCCTCGGGCCACGG							
142438	142455	140628	144956	CDS product transcriptional regulator ICP4	142438-142455	4:01:01	
GGCGGCCGCGGGTCCTGG							
142443	142480	140628	144956	CDS product transcriptional regulator ICP4	142443-142480	8:05:02	
CCGCGGGTCCTGGTACCAGAACCCCAAGCCTACCGCC							
142597	142618	140628	144956	CDS product transcriptional regulator ICP4	142597-142618	5:02:01	
CCCCTCTCCCGCCTGCCCTCCC							

142720	142741	140628	144956	CDS product transcriptional regulator ICP4 CCCTATCCACCGCCTGGGCCCC	142720-142741	5:02:01	
142759	142781	140628	144956	CDS product transcriptional regulator ICP4 GGTCCGCGCGTTCTGGTTGTGG	142759-142781	4:01:01	
142816	142846	140628	144956	CDS product transcriptional regulator ICP4 GGAGGGAGCCCGGGCCCGGCCTCGGCCTGG	142816-142846	6:03:01	
142824	142861	140628	144956	CDS product transcriptional regulator ICP4 CCCGGGCCCGGGCCTCGGCCTGGACCATCACCCAGGCC	142824-142861	7:04:01	
142882	142911	140628	144956	CDS product transcriptional regulator ICP4 GGCCGGGGGCATGTTGGGGGAAGCCGTGGG	142882-142911	6:03:01	
142977	142990	140628	144956	CDS product transcriptional regulator ICP4	142977-142990	4:01:01	CCCTCTCCTCCTCC
142999	143046	140628	144956	CDS product transcriptional regulator ICP4 CCAGACCTCCCGCATCCCCGCCTTGTGGCCCACTGTTCCCGGAAGCC	142999-143046	8:05:02	
143111	143152	140628	144956	CDS product transcriptional regulator ICP4 CCGACAACCTGCTCCCGGGCCACCCAGACCCAGGCTCGCCCC	143111-143152	7:04:01	
143172	143204	140628	144956	CDS product transcriptional regulator ICP4 CCCCACCGGCTGCCTCCCAGGCTATCCTCGGCC	143172-143204	6:03:01	
143227	143243	140628	144956	CDS product transcriptional regulator ICP4 GGGAGGGGGCGGACCGG	143227-143243	5:02:01	
143240	143272	140628	144956	CDS product transcriptional regulator ICP4 CCGGCACCTACGCCTCCCCGAACGACCGTCCC	143240-143272	6:03:01	
143279	143308	140628	144956	CDS product transcriptional regulator ICP4 GGGCGCCCCAGGGGCAAGAGCGGAAGCGG	143279-143308	4:01:01	

143323	143361	140628	144956	CDS product transcriptional regulator ICP4	143323-143361	8:05:02	
GGAGCCGGCGGGGGGAGCTCCCGGGTCCCGCGGAGG							
143441	143468	140628	144956	CDS product transcriptional regulator ICP4	143441-143468	6:03:01	
CCCATGCCGCCGAGGGGCCACACCGCC							
143503	143518	140628	144956	CDS product transcriptional regulator ICP4	143503-143518	4:01:01	CCACACGCCACCCCCC
143575	143648	140628	144956	CDS product transcriptional regulator ICP4	143575-143648	11:08:02	
CCACCCGCTGTTCCCGAGGCCTGGCGCCCCGCGCTTACCTTCGACCCCAGGCCCTGGCTACCATCGCAGCCC							
143657	143676	140628	144956	CDS product transcriptional regulator ICP4	143657-143676	4:01:01	
GGGCCTCCGCCAGGGAGGG							
143700	143728	140628	144956	CDS product transcriptional regulator ICP4	143700-143728	6:03:01	
CCAGCGGACCGCTCCGCCCGGGGCTGCC							
143791	143811	140628	144956	CDS product transcriptional regulator ICP4	143791-143811	4:01:01	
GGACGAGGACCTGCTGGGTGG							
143815	143830	140628	144956	CDS product transcriptional regulator ICP4	143815-143830	4:01:01	CCCAACCACCCGACCC
143869	143909	140628	144956	CDS product transcriptional regulator ICP4	143869-143909	7:04:01	
GGGGGGCTCTCGGCGTGCTGGCGGCCCTGGGGAACCGGG							
143934	143953	140628	144956	CDS product transcriptional regulator ICP4	143934-143953	4:01:01	
GGGCTGGCAACTGGACTGGG							
143970	144001	140628	144956	CDS product transcriptional regulator ICP4	143970-144001	5:02:01	
CCCTAAACGCCCAGGAGTCCTGCTCCTCTCC							
144043	144061	140628	144956	CDS product transcriptional regulator ICP4	144043-144061	4:01:01	
CCTTCGCCTGGGCTCCGCC							
144100	144117	140628	144956	CDS product transcriptional regulator ICP4	144100-144117	4:01:01	

GGACTGGCCCCAGGACGG							
144119	144137	140628	144956	CDS product transcriptional regulator ICP4	144119-144137	4:01:01	
CCCCCATCAGCCAGTACC							
144191	144236	140628	144956	CDS product transcriptional regulator ICP4	144191-144236	7:04:01	
CCCCGGGAGCGCCACCTCAGCCGCGGGTCCTCACTTCCAGCACCC							
144318	144357	140628	144956	CDS product transcriptional regulator ICP4	144318-144357	7:04:01	
GGGCGGCAACGTGGCCTACACGGTGGACACCCGGGCGCG							
144366	144384	140628	144956	CDS product transcriptional regulator ICP4	144366-144384	4:01:01	
CCGCGTTCCACTGCCACC							
144492	144524	140628	144956	CDS product transcriptional regulator ICP4	144492-144524	6:03:01	
CCCAGAGCCACCGCGCGCCAACCGATGGGGCC							
144560	144584	140628	144956	CDS product transcriptional regulator ICP4	144560-144584	5:02:01	
GGACGGCGCGGAGCCGGGGCCGTGG							
144573	144592	140628	144956	CDS product transcriptional regulator ICP4	144573-144592	4:01:01	
CCGGGGCCGTGGAGCCCGCC							
144692	144708	140628	144956	CDS product transcriptional regulator ICP4	144692-144708	4:01:01	
CCTCGCCGCGAGCCCC							
144711	144735	140628	144956	CDS product transcriptional regulator ICP4	144711-144735	4:01:01	
GGGTTGAGTGGGAGCCGGGTTTCGG							
144815	144836	140628	144956	CDS product transcriptional regulator ICP4	144815-144836	5:02:01	
GGACCGGGGACGTGGAGCTGG							
144901	144924	140628	144956	CDS product transcriptional regulator ICP4	144901-144924	6:03:01	
GGTGGTATCGGACGAGGAGGACGG							

gi 9629818 ref NC_001847.1 Bovine herpesvirus 1, complete genome					
492	530	486	1229	CDS product myristylated tegument protein CIRC	492-530 9:06:02
				CCCGCGCCTCCGCGCCTGCTGCCGGCCCCCCCCAGCCC	
619	656	486	1229	CDS product myristylated tegument protein CIRC	619-656 6:03:01
				CCCCGTGTACCACCACATGCGCCGCGGCCGACGGCCC	
682	707	486	1229	CDS product myristylated tegument protein CIRC	682-707 5:02:01 CCGCGCCTATGCCATCTTGCCCTGCC
758	784	486	1229	CDS product myristylated tegument protein CIRC	758-784 6:03:01 CCCACCACTGGCCTGCACCGCCTCGCC
888	902	486	1229	CDS product myristylated tegument protein CIRC	888-902 4:01:01 CCACCCCCGAGATCC
922	964	486	1229	CDS product myristylated tegument protein CIRC	922-964 9:06:02
				CCCGGCCCTTCCCACCGCCGCCCTCGGCCGCGCGCCGCTCC	
988	1016	486	1229	CDS product myristylated tegument protein CIRC	988-1016 6:03:01
				CCGGCCCCGACGCACCTTCTGCCCCCACC	
1918	1949	1658	2860	CDS product multifunctional expression regulator	1918-1949 6:03:01
				GGGGCAGGTGGCGAGGCTTAGCCGGCGCGCGG	
2223	2242	1658	2860	CDS product multifunctional expression regulator	2223-2242 4:01:01
				GGTAGAGGTCGCGGCCGTGG	
2260	2280	1658	2860	CDS product multifunctional expression regulator	2260-2280 4:01:01
				GGTGACGCGGCGGCCCTCGGG	
2486	2496	1658	2860	CDS product multifunctional expression regulator	2486-2496 4:01:01 CCCCCGCCGCC
2584	2603	1658	2860	CDS product multifunctional expression regulator	2584-2603 4:01:01
				CCTGCGCGGCCGCCGCGGCC	
2624	2640	1658	2860	CDS product multifunctional expression regulator	2624-2640 4:01:01

GGAGGTGCTTCGGCGGG						
2672	2691	1658	2860	CDS product multifunctional expression regulator	2672-2691	5:02:01
GGCGGCTCGGCCGGCATCGG						
2697	2710	1658	2860	CDS product multifunctional expression regulator	2697-2710	4:01:01
CCTCCGCGCCCTCC						
3189	3218	3040	4038	CDS product envelope glycoprotein K	3189-3218	6:03:01
CCCGCTCTCGCGCCGTCGCCGCCATCGCC						
3229	3241	3040	4038	CDS product envelope glycoprotein K	3229-3241	4:01:01 CCTCCGCGCCGCC
3317	3345	3040	4038	CDS product envelope glycoprotein K	3317-3345	5:02:01
GGTACAGCGGGTAGGCGCCGCGCAGGGG						
3355	3391	3040	4038	CDS product envelope glycoprotein K	3355-3391	7:04:01
CCGACGCTGCCGGCCGCGCAATCCGCGCGCCGAGCC						
3449	3462	3040	4038	CDS product envelope glycoprotein K	3449-3462	4:01:01 GGGGGTCGAGGCGG
3672	3696	3040	4038	CDS product envelope glycoprotein K	3672-3696	5:02:01 CCATGCCAGCAGGCCGCCGCGAGCC
3807	3829	3040	4038	CDS product envelope glycoprotein K	3807-3829	4:01:01 GGCGTGCCGGCACGGGGCGTCGG
4039	4063	4013	7237	CDS product helicase-primase primase subunit	4039-4063	4:01:01
CCGCGCCGCGCGCCCCGAGAGATCC						
4066	4087	4013	7237	CDS product helicase-primase primase subunit	4066-4087	4:01:01
GGTGAACACGGTACCGAGGCGG						
4276	4294	4013	7237	CDS product helicase-primase primase subunit	4276-4294	4:01:01
GGCTTTGGCGGCCACGAGG						
4400	4422	4013	7237	CDS product helicase-primase primase subunit	4400-4422	4:01:01
CCACGGTCGCCGCCGTCGACGCC						

4468	4487	4013	7237	CDS product helicase-primase primase subunit GGCCGCGCGGTTGACGGCGG	4468-4487	4:01:01	
4558	4616	4013	7237	CDS product helicase-primase primase subunit GGGTGGCGCGCGTGGAAGTGGAAGTGGTGCGGGTCGCGGTGCGCGGCGACGAAGGCGG	4558-4616	11:08:02	
4770	4792	4013	7237	CDS product helicase-primase primase subunit GGCTCATGGCCTCGGCGAAGGGG	4770-4792	4:01:01	
4932	4963	4013	7237	CDS product helicase-primase primase subunit CCGCCGCGCTTCCCGCGCCCTCCGCGCCGCC	4932-4963	7:04:01	
5070	5091	4013	7237	CDS product helicase-primase primase subunit GGTCGGGCGCGGCCAGGACGG	5070-5091	5:02:01	
5158	5194	4013	7237	CDS product helicase-primase primase subunit GGGGTGTGCGGGCCAGGCATCGGCGGCGATTTCGGGG	5158-5194	6:03:01	
5253	5281	4013	7237	CDS product helicase-primase primase subunit GGTCTCCGCGGGGAGGGGCGCTTGAGG	5253-5281	6:03:01	
5308	5324	4013	7237	CDS product helicase-primase primase subunit GGTTACGGCGAGGCGGG	5308-5324	4:01:01	
5358	5414	4013	7237	CDS product helicase-primase primase subunit GGTCGCGCGGCGCGCCGGGCCCAGGCTCCGGCGGTCCGAGCGGCCGGCGGCACAGG	5358-5414	11:08:02	
5373	5403	4013	7237	CDS product helicase-primase primase subunit CCGGGCCCAGGCTCCGGCGGTCCGAGCGGCC	5373-5403	5:02:01	
5485	5498	4013	7237	CDS product helicase-primase primase subunit	5485-5498	4:01:01	GGCGGCGGCAGCGG
5499	5518	4013	7237	CDS product helicase-primase primase subunit CCGCCGCAACCTCGACCGCC	5499-5518	5:02:01	

5616	5639	4013	7237	CDS product helicase-primase primase subunit GGTAGACGGGCGTGGGCGCCGCGG	5616-5639	4:01:01
5634	5665	4013	7237	CDS product helicase-primase primase subunit CCGCGGTCCCGCGCGCCAAAGAGCCCGTCC	5634-5665	5:02:01
5759	5775	4013	7237	CDS product helicase-primase primase subunit CCGCCGTCCGGCGCGCC	5759-5775	4:01:01
6151	6188	4013	7237	CDS product helicase-primase primase subunit GGGGGGCTCGGTGGCGGTGACGGCGCGCAGGTGCTCGG	6151-6188	8:05:02
6297	6320	4013	7237	CDS product helicase-primase primase subunit GGCAGCGGACCTCGGCGAGGTCGG	6297-6320	5:02:01
6445	6481	4013	7237	CDS product helicase-primase primase subunit GGGGTTAGGCGGCGCGGCGACGGCGTACGTGGCCAGG	6445-6481	7:04:01
6493	6524	4013	7237	CDS product helicase-primase primase subunit GGCCTGCAGGTCGTAGGTAGCGGCGTCGCCGG	6493-6524	5:02:01
6682	6706	4013	7237	CDS product helicase-primase primase subunit GGCTAGGCCGCGGCGGCCGCCGGG	6682-6706	6:03:01
6766	6783	4013	7237	CDS product helicase-primase primase subunit GGTGCGGCCGGTGCGAGG	6766-6783	4:01:01
6786	6805	4013	7237	CDS product helicase-primase primase subunit CCAGCTGCTCCGTGGCCACC	6786-6805	4:01:01
6957	6980	4013	7237	CDS product helicase-primase primase subunit GGGCCAGGCGCGGGTCGCGGCGG	6957-6980	5:02:01
6986	7003	4013	7237	CDS product helicase-primase primase subunit	6986-7003	4:01:01

CCGCCCCGGCGGGCCGCCC							
7027	7051	4013	7237	CDS product helicase-primase primase subunit	7027-7051	5:02:01	
CCGCGCATCCGCCAGCGCCAGCGCC							
7124	7147	4013	7237	CDS product helicase-primase primase subunit	7124-7147	5:02:01	
CCACGGCCGGGCTCCTCCTGGCCC							
7186	7204	4013	7237	CDS product helicase-primase primase subunit	7186-7204	4:01:01	
GGTGGCGTACAGGATTGG							
7248	7281	7236	7967	CDS product tegument protein UL51	7248-7281	8:05:02	
GGCTGGTCGGGTGGCTGTGCGGGCGGGCGGGGG							
7399	7435	7236	7967	CDS product tegument protein UL51	7399-7435	7:04:01	
GGAGGACGTGGCGCGCTCGGCAGACGGCACGCGGCGG							
7584	7597	7236	7967	CDS product tegument protein UL51	7584-7597	4:01:01 CCTGCCTGGCCGCC	
7618	7661	7236	7967	CDS product tegument protein UL51	7618-7661	8:05:02	
GGTGGGCGCTGTGGAGGGCACGACGGACAGCATGGTGGACCAGG							
7726	7769	7236	7967	CDS product tegument protein UL51	7726-7769	9:06:02	
GGGCATTCAGGCGCAGGGCGGGCGGGAGGCGGCGGCCAGGG							
7780	7802	7236	7967	CDS product tegument protein UL51	7780-7802	4:01:01 GGCCGTTGGTGCCGAGGCTCGGG	
7803	7875	7236	7967	CDS product tegument protein UL51	7803-7875	13:10:03	
CCCCGCCGCCCTGCCGCGGCAGCCGGCCGCTCGGCGCCGGTCGCCGTGTCTCCGGCACCGCCGGTGGCGCC							
7821	7844	7236	7967	CDS product tegument protein UL51	7821-7844	4:01:01 GGCAGCCGGCCGCCTCGGCGCCGG	
7887	7907	7236	7967	CDS product tegument protein UL51	7887-7907	5:02:01 CCGCCACAAAACCACTAGCC	
7926	7945	7236	7967	CDS product tegument protein UL51	7926-7945	5:02:01 CCGCCGCTTCTCCCCCGCC	
8050	8076	8045	9022	CDS product deoxyuridine triphosphatase	8050-8076	4:01:01	

CCCGGTGGACCCAAAGCCGCGCGGCC							
8130	8154	8045	9022	CDS product deoxyuridine triphosphatase	8130-8154	5:02:01	
GGCGCGGGGCCCCAGGGCGGGCGG							
8165	8205	8045	9022	CDS product deoxyuridine triphosphatase	8165-8205	7:04:01	
GGGCTAGTTGGGAAGGGCTCGCGGTCGTTGAGGCCGGACGG							
8304	8338	8045	9022	CDS product deoxyuridine triphosphatase	8304-8338	7:04:01	
GGCAGGGCTCCCCGGGGGGCCAGGCTGTCGGCAGG							
8506	8529	8045	9022	CDS product deoxyuridine triphosphatase	8506-8529	4:01:01	GGGGCGAACGTGGCAAAGAAGGG
8575	8600	8045	9022	CDS product deoxyuridine triphosphatase	8575-8600	5:02:01	
GGCGATGAGGCGAGGCAGCGTGGTGG							
8639	8664	8045	9022	CDS product deoxyuridine triphosphatase	8639-8664	5:02:01	
GGGGGAGCGGCCGCTGCGGACTCGGG							
8719	8739	8045	9022	CDS product deoxyuridine triphosphatase	8719-8739	5:02:01	GGCCACGGCTGGTGGGCGGGG
8925	8947	8045	9022	CDS product deoxyuridine triphosphatase	8925-8947	6:03:01	CCAACCGCCAGGGGGCCGCCTCC
9057	9090	8970	9260	CDS product envelope glycoprotein N	9057-9090	6:03:01	
GGCGCGAGGGGGCAATGGACTTTTGAGCGCAGG							
9238	9255	8970	9260	CDS product envelope glycoprotein N	9238-9255	4:01:01	GGAGTCGCGGGGGCGGGG
9576	9599	9384	10160	CDS product tegument protein VP22	9576-9599	6:03:01	CCGTCCAGCCCGCCGCCCGGGCC
9638	9659	9384	10160	CDS product tegument protein VP22	9638-9659	6:03:01	CCCGCCGCCGCGCGGCCCGCC
9670	9690	9384	10160	CDS product tegument protein VP22	9670-9690	4:01:01	CCGGGCGTCCTCGCGCCCGCC
9699	9727	9384	10160	CDS product tegument protein VP22	9699-9727	8:05:02	
CCGCCGACCCGCCGCTCCTCCGGCCAGCC							
9734	9755	9384	10160	CDS product tegument protein VP22	9734-9755	4:01:01	GGGTCTCCGGCGGCGCCGGG

9762	9793	9384	10160	CDS product tegument protein VP22	9762-9793	6:03:01
CCGTCGGTCCACCTCGACCTCGCGGCCCCC						
10077	10099	9384	10160	CDS product tegument protein VP22	10077-10099	4:01:01 CCGCGCGGGCCCAGCGCCCCGCC
10448	10474	10344	11792	CDS product transactivating tegument protein VP16	10448-10474	6:03:01
CCGCCCCCGCGCCCGGCTCCCCTGGCC						
10533	10556	10344	11792	CDS product transactivating tegument protein VP16	10533-10556	5:02:01
GGGCCATGGAGCGGTGGAACGAGG						
10654	10679	10344	11792	CDS product transactivating tegument protein VP16	10654-10679	4:01:01
GGTGCCTGGGACGCGGAGCGCTTGG						
10699	10723	10344	11792	CDS product transactivating tegument protein VP16	10699-10723	6:03:01
CCAGCCGCTTCCCGACCGCCGGCC						
10720	10763	10344	11792	CDS product transactivating tegument protein VP16	10720-10763	8:05:02
GGCCTCGGAGGAGGGCCTCCCGGAGTATGTGGCCGGCGTACAGG						
10858	10898	10344	11792	CDS product transactivating tegument protein VP16	10858-10898	8:05:02
GGCGGCGCGTGGCCGAGGCGCGGGCGGGCGGCCAGG						
10911	10930	10344	11792	CDS product transactivating tegument protein VP16	10911-10930	5:02:01
GGCAGCTGGTGGCGGCGCGG						
10942	10964	10344	11792	CDS product transactivating tegument protein VP16	10942-10964	5:02:01
GGCGAGCCGGCTGGCGCGGCTGG						
11088	11104	10344	11792	CDS product transactivating tegument protein VP16	11088-11104	4:01:01
CCTGCCTGTTCCACCCC						
11120	11170	10344	11792	CDS product transactivating tegument protein VP16	11120-11170	10:07:02
GGCGTCGTGGCGCTGGAGGACGGCTTCTTGGACGCGGCGGAGCTGCGGCGG						

11206	11252	10344	11792	CDS product transactivating tegument protein VP16	11206-11252 8:05:02
GGTCCGCGGGGCTGGTCGAGGTGAAGTGGGGCCTCTGGTGGAGG					
11335	11363	10344	11792	CDS product transactivating tegument protein VP16	11335-11363 7:04:01
GGCCGGCGGGCGGCTGGCGCCGAGCGGG					
11519	11557	10344	11792	CDS product transactivating tegument protein VP16	11519-11557 7:04:01
CCTTCAGCCAAGGGCGCGCCCGGCCGAGTTGCCGCC					
11628	11670	10344	11792	CDS product transactivating tegument protein VP16	11628-11670 7:04:01
CCTTGCCCTTAGCCGAGCCCGCGGCAGCCCTGGCCCCGGCCCC					
11682	11730	10344	11792	CDS product transactivating tegument protein VP16	11682-11730 8:05:02
CCCCAGCCGAGCCCGCGGCGGCCGTCGCCGGCCAAGCCCGGCAAACCC					
11986	12009	11963	14182	CDS product tegument protein VP13/14	11986-12009 5:02:01 CCTGAGCGCCGCCGCGCGTCTCC
12018	12049	11963	14182	CDS product tegument protein VP13/14	12018-12049 5:02:01
CCGCACGCACCCGTTCCAGCGCCCTCTGCCC					
12100	12140	11963	14182	CDS product tegument protein VP13/14	12100-12140 7:04:01
CCGCGGGTCCGGCGCCCGCGGCCGTACTTCCAGCGGCCCCC					
12502	12515	11963	14182	CDS product tegument protein VP13/14	12502-12515 5:02:01 GGCGGCGGGGGCGG
12645	12688	11963	14182	CDS product tegument protein VP13/14	12645-12688 10:07:02
GGAGGCGGCCGCTGCGGCTGCGGGGAGAGGAGCGTGGTGGAGG					
12740	12762	11963	14182	CDS product tegument protein VP13/14	12740-12762 5:02:01 GGATTTTGAGGGCCGGTGCGG
12842	12863	11963	14182	CDS product tegument protein VP13/14	12842-12863 4:01:01 GGCGCGCTTGGGAGATGGCCGG
12893	12910	11963	14182	CDS product tegument protein VP13/14	12893-12910 4:01:01 GGAGCACGGTGGACCCGG
12948	12975	11963	14182	CDS product tegument protein VP13/14	12948-12975 5:02:01
GGGCACCCGGCCCCGGCTAGTGTGGCGG					

13010	13025	11963	14182	CDS product tegument protein VP13/14
13129	13147	11963	14182	CDS product tegument protein VP13/14
13150	13169	11963	14182	CDS product tegument protein VP13/14
13166	13186	11963	14182	CDS product tegument protein VP13/14
13587	13603	11963	14182	CDS product tegument protein VP13/14
13604	13621	11963	14182	CDS product tegument protein VP13/14
13819	13842	11963	14182	CDS product tegument protein VP13/14
13908	13942	11963	14182	CDS product tegument protein VP13/14
GGTGCGCCCGGTGTTCTCGGTGGAGTTCCGGGAGG				
13998	14020	11963	14182	CDS product tegument protein VP13/14
14074	14094	11963	14182	CDS product tegument protein VP13/14
14103	14125	11963	14182	CDS product tegument protein VP13/14
14392	14414	14314	16560	CDS product tegument protein VP11/12
14396	14424	14314	16560	CDS product tegument protein VP11/12
GGCCGCGCCCGTGGTGGCCTTGCAGGAGG				
14507	14532	14314	16560	CDS product tegument protein VP11/12
GGAGGCGCTGTTCTGTCTCGGACTCGG				
14584	14603	14314	16560	CDS product tegument protein VP11/12
14691	14721	14314	16560	CDS product tegument protein VP11/12
GGCGCGGCCGCGCGCGCGGCGATGGAGCAGG				
15039	15058	14314	16560	CDS product tegument protein VP11/12
15134	15156	14314	16560	CDS product tegument protein VP11/12
15259	15282	14314	16560	CDS product tegument protein VP11/12

13010-13025	5:02:01	GGCTGGGGGTGGGGGG
13129-13147	4:01:01	GGCCGGGGCGCGCGGGCGG
13150-13169	5:02:01	CCGCGCCGCCTGCCGCGGCC
13166-13186	5:02:01	GGCCGGCGGTGGGCTGCTGG
13587-13603	4:01:01	GGAGACGGTGGACTCGG
13604-13621	4:01:01	CCACCTTCCAAGAGGCC
13819-13842	5:02:01	GGCGCAGCGGTGTACGGGGGCCGG
13908-13942	6:03:01	
13998-14020	5:02:01	GGCCGGCAAGCGCGGGTCATGG
14074-14094	4:01:01	GGTTCGCGGCCGGTGTCTGGG
14103-14125	5:02:01	GGACATCGCGGAGCGCTGGCGG
14392-14414	4:01:01	CCACGGCCGCGCCGTGGTGGCC
14396-14424	6:03:01	
14507-14532	5:02:01	
14584-14603	4:01:01	GGGTGCTGGCGGGCGCGGG
14691-14721	7:04:01	
15039-15058	4:01:01	CCGCGCGAGCCGCGCCGCC
15134-15156	5:02:01	GGCCCTGACGGCGCGGTGCTGG
15259-15282	5:02:01	CCGTACACCACCACCTGCAGTACC

15402	15419	14314	16560	CDS product tegument protein VP11/12	15402-15419 4:01:01	CCGACCATGACTTCCGCC
15424	15455	14314	16560	CDS product tegument protein VP11/12	15424-15455 6:03:01	
				GGGCGGCCCTGGAGCGCGGCACGGCGAGCTGG		
15535	15567	14314	16560	CDS product tegument protein VP11/12	15535-15567 6:03:01	
				GGCTCGGCGGGAGCCGCGGGCTGCTGGCGCCCG		
15579	15604	14314	16560	CDS product tegument protein VP11/12	15579-15604 5:02:01	
				CCGTCGGGCCGCGGCCGCCGCTGCCC		
15616	15661	14314	16560	CDS product tegument protein VP11/12	15616-15661 10:07:02	
				CCGCGCGCCCTTGCCAGCCTGCCGGCCGCGGCCGCCGCCCTCC		
15662	15688	14314	16560	CDS product tegument protein VP11/12	15662-15688 5:02:01	
				GGGCTCGGGCTCGGGCTCGGGCTCGGG		
15817	15831	14314	16560	CDS product tegument protein VP11/12	15817-15831 5:02:01	GGCGGAGGCGGCGG
15929	15968	14314	16560	CDS product tegument protein VP11/12	15929-15968 7:04:01	
				CCCCATGCCTGCCCCGCGCCCCGCGGTGGCCGCGGCGCC		
15990	16028	14314	16560	CDS product tegument protein VP11/12	15990-16028 7:04:01	
				CCCATGCCTGCCCCGCGCCCCGCGGCGGCCGCGGCGCC		
16049	16088	14314	16560	CDS product tegument protein VP11/12	16049-16088 7:04:01	
				CCCCATGCCTGCCCCGCGCCCCGCGGCGGCCGCGGCGCC		
16145	16164	14314	16560	CDS product tegument protein VP11/12	16145-16164 4:01:01	GGACGAGGGCAAGGACGAGG
16177	16208	14314	16560	CDS product tegument protein VP11/12	16177-16208 5:02:01	
				CCGGGGCGACCGCCCGTTGGCCGCGGACCCC		
16244	16314	14314	16560	CDS product tegument protein VP11/12	16244-16314 12:09:03	
				CCTCCGCGTCCCGGCTCGGCCCCGGCCCCGGCCCCGGCCCCGTGACCGAGCGCCGGGTAATCCAACCC		

16256	16281	14314	16560	CDS product tegument protein VP11/12	16256-16281	5:02:01	
GGCCTCGGCCCCGGCCCCGGCCCCGG							
16334	16368	14314	16560	CDS product tegument protein VP11/12	16334-16368	5:02:01	
CCCTCGGCTCCGCGCCCTAGACGACCGGCACGGCC							
16360	16390	14314	16560	CDS product tegument protein VP11/12	16360-16390	7:04:01	
GGCACGGCCTGGAGGCGCTGGCGGCTGCCGG							
16387	16416	14314	16560	CDS product tegument protein VP11/12	16387-16416	5:02:01	
CCGGTGCCGCTCACACCGCGCGCCACAACC							
16528	16545	14314	16560	CDS product tegument protein VP11/12	16528-16545	4:01:01	GGCCTGAGGTGGAGAGGG
16820	16853	16683	18209	CDS product envelope glycoprotein C	16820-16853	6:03:01	
GGCGGTGCGGAGAACTCGGGCAGCGGTGCCGGG							
17078	17098	16683	18209	CDS product envelope glycoprotein C	17078-17098	5:02:01	GGGCGGGCGGTAAACGGCCGG
17164	17185	16683	18209	CDS product envelope glycoprotein C	17164-17185	6:03:01	GGTTGGGCGGGTGGGCGGTTGG
18446	18472	18388	19524	CDS product envelope protein UL43	18446-18472	5:02:01	CCTTGGCCACGTGCGCCGCGGCCAGCC
18481	18502	18388	19524	CDS product envelope protein UL43	18481-18502	4:01:01	CCGCGCCCGCAGCGCCGACCC
18512	18540	18388	19524	CDS product envelope protein UL43	18512-18540	5:02:01	
CCACCAGCGTGCCCGCGGCTGCCGAGGCC							
18556	18569	18388	19524	CDS product envelope protein UL43	18556-18569	4:01:01	CCGCCGTCCGCGCC
18726	18749	18388	19524	CDS product envelope protein UL43	18726-18749	5:02:01	CCAGCGCCACCGCCCTCGAGCCC
18760	18783	18388	19524	CDS product envelope protein UL43	18760-18783	5:02:01	CCCGGGGCCAGAGCGCCGCCGCC
18786	18799	18388	19524	CDS product envelope protein UL43	18786-18799	4:01:01	GGCTAAGGCGGCGG
18908	18934	18388	19524	CDS product envelope protein UL43	18908-18934	5:02:01	CCAGAGTCCGAGCGCCGCTACCGCC
18959	18978	18388	19524	CDS product envelope protein UL43	18959-18978	4:01:01	CCAGCGCCCGCGGGCGTCC

18992	19061	18388	19524	CDS product envelope protein UL43	18992-19061 11:08:02
CCAGCGCGGCCGCGCGCCCGCGCGCCAGCGCCTCGGGCGCGCGCCCCAGCGCCCGGCCGAAAGGCC					
19209	19237	18388	19524	CDS product envelope protein UL43	19209-19237 6:03:01
GGCGGGGCGGGGTCTGTGGCCCAGACGG					
19397	19418	18388	19524	CDS product envelope protein UL43	19397-19418 5:02:01 CCAGGGCCGCCCATCAAGCC
19429	19449	18388	19524	CDS product envelope protein UL43	19429-19449 4:01:01 CCCATGGCCACCAGCGCGCCC
19487	19507	18388	19524	CDS product envelope protein UL43	19487-19507 4:01:01 CCCCCGCGCAGCCGCTCACCC
19609	19635	19597	20823	CDS product DNA polymerase processivity subunit	19609-19635 6:03:01
CCCCCTCCCCGCCCCGATCCGGGCCC					
19642	19670	19597	20823	CDS product DNA polymerase processivity subunit	19642-19670 5:02:01
GGGCCCCGGGCGCCGCGTCGGCGCGCGG					
19750	19769	19597	20823	CDS product DNA polymerase processivity subunit	19750-19769 5:02:01
GGTTGGCCGGACGCGGCGGG					
19779	19801	19597	20823	CDS product DNA polymerase processivity subunit	19779-19801 5:02:01
GGGAAGCGGGGTGCGGGCTCGG					
19821	19848	19597	20823	CDS product DNA polymerase processivity subunit	19821-19848 9:06:02
GGCGGAGGCGGTGGCGGTGGCGGGGCGG					
19902	19923	19597	20823	CDS product DNA polymerase processivity subunit	19902-19923 5:02:01
GGCGGCGCTGGCGGGCGCGAGG					
19945	19962	19597	20823	CDS product DNA polymerase processivity subunit	19945-19962 5:02:01
CCGCCGACCTGCCGACC					
20054	20070	19597	20823	CDS product DNA polymerase processivity subunit	20054-20070 4:01:01
CCCTGCGGCCGCCGCC					

20184	20214	19597	20823	CDS product DNA polymerase processivity subunit	20184-20214 5:02:01
GGACTCGGCGCTCAGGCAACGGGCGGCCGG					
20540	20560	19597	20823	CDS product DNA polymerase processivity subunit	20540-20560 5:02:01
GGGCGGGGCCCCACTGGAAGG					
20667	20692	19597	20823	CDS product DNA polymerase processivity subunit	20667-20692 4:01:01
GGGCCAAAGGGGCTCAGCAGGGCGG					
20757	20779	19597	20823	CDS product DNA polymerase processivity subunit	20757-20779 5:02:01
GGACAGACCGGCGGTGAGGCGGG					
21125	21140	21068	22447	CDS product tegument host shutoff protein	21125-21140 4:01:01 CCATCACCACGCCGCC
21312	21336	21068	22447	CDS product tegument host shutoff protein	21312-21336 4:01:01
GGACCGCGGCATCCACGGGGACCGG					
21315	21342	21068	22447	CDS product tegument host shutoff protein	21315-21342 4:01:01
CCGCGGCATCCACGGGGACCGGCGGCC					
21388	21411	21068	22447	CDS product tegument host shutoff protein	21388-21411 5:02:01
GGCGGCTCGGGCCGCTCGGGCGG					
21435	21452	21068	22447	CDS product tegument host shutoff protein	21435-21452 4:01:01 GGAGGACGAGGTGCTGGG
21504	21520	21068	22447	CDS product tegument host shutoff protein	21504-21520 4:01:01 GGAGGCAACGGCGAAGG
21540	21556	21068	22447	CDS product tegument host shutoff protein	21540-21556 4:01:01 GGCGGGGCCGCGGGG
21876	21903	21068	22447	CDS product tegument host shutoff protein	21876-21903 6:03:01
GGTGCAGCAGGTGTTGCGGGGCTGCGG					
21911	21933	21068	22447	CDS product tegument host shutoff protein	21911-21933 4:01:01
CCGAGGCCGAGCCCGCGACTACC					
21976	22005	21068	22447	CDS product tegument host shutoff protein	21976-22005 5:02:01

GGTCGTCCGGGCGCTGGGCCGCGCGCCGG					
21994	22014	21068	22447	CDS product tegument host shutoff protein	21994-22014 4:01:01
CCGCGGCGCCGGTTGCCGCC					
22356	22377	21068	22447	CDS product tegument host shutoff protein	22356-22377 5:02:01
CCCCACTCCACCCCATTGCG					
22397	22431	21068	22447	CDS product tegument host shutoff protein	22397-22431 5:02:01
GGGACGAGGCCCCCGGGGCCGGGTCGCGACGG					
22642	22674	22563	23507	CDS product ribonucleotide reductase subunit 2	22642-22674 6:03:01
GGGCCAAAGGAAAATCGGTCCAGGAGGCGGGG					
22837	22849	22563	23507	CDS product ribonucleotide reductase subunit 2	22837-22849 4:01:01 GGGCCGCGGCGG
22915	22937	22563	23507	CDS product ribonucleotide reductase subunit 2	22915-22937 4:01:01
GGCTGATGAGGTCGTTGTTTGG					
22954	22974	22563	23507	CDS product ribonucleotide reductase subunit 2	22954-22974 4:01:01
GGTTGTGGGTGCGCAGGTAGG					
23041	23117	22563	23507	CDS product ribonucleotide reductase subunit 2	23041-23117 13:10:03
CCACCGACTCTGCCGCGCCACGCGCGCTCGAGCCAGTCCACCTTGCGCCGACCGCCGGGTCGCCAGGGCGCCC					
23284	23303	22563	23507	CDS product ribonucleotide reductase subunit 2	23284-23303 4:01:01
GGTCATCGGCGGCCGAGAGG					
23340	23360	22563	23507	CDS product ribonucleotide reductase subunit 2	23340-23360 4:01:01
CCGCTGAGCCGCGCCACGTCC					
23485	23504	22563	23507	CDS product ribonucleotide reductase subunit 2	23485-23504 5:02:01
CCGCGTCCGCGCCTCGGCC					
23730	23768	23526	25889	CDS product ribonucleotide reductase subunit 1	23730-23768 6:03:01

GGGGCGCGGTCGGCGCAGAGGTCGATCAGGCGCTCTTG					
23795	23819	23526	25889	CDS product ribonucleotide reductase subunit 1	23795-23819 4:01:01
GGCCAGCGGATGCCCCGGGCGGAGG					
23997	24017	23526	25889	CDS product ribonucleotide reductase subunit 1	23997-24017 4:01:01
CCCTCGCTGCCCTCCGTCACC					
24026	24045	23526	25889	CDS product ribonucleotide reductase subunit 1	24026-24045 4:01:01
GGACACGGTCGGCATAAGGG					
24218	24255	23526	25889	CDS product ribonucleotide reductase subunit 1	24218-24255 7:04:01
GGCGCTGGTGGCCATGACGGCCAGGAGCAGGCGCTCGG					
24428	24459	23526	25889	CDS product ribonucleotide reductase subunit 1	24428-24459 6:03:01
GGCGGCCGTGGCGGCCCGCTGGACAGAGCGG					
24760	24783	23526	25889	CDS product ribonucleotide reductase subunit 1	24760-24783 4:01:01
CCGTAAAGGCCGGGCCGTGCAGCC					
24835	24860	23526	25889	CDS product ribonucleotide reductase subunit 1	24835-24860 5:02:01
GGCCTTCGAGGTGGGCGAGGTAGCGG					
25168	25181	23526	25889	CDS product ribonucleotide reductase subunit 1	25168-25181 4:01:01 CCTCCACGGCCTCC
25352	25377	23526	25889	CDS product ribonucleotide reductase subunit 1	25352-25377 4:01:01
CCCAAAGGCCGGCTCCCGCATCGTCC					
25382	25395	23526	25889	CDS product ribonucleotide reductase subunit 1	25382-25395 4:01:01 GGCGGCGGTGCGGG
25769	25791	23526	25889	CDS product ribonucleotide reductase subunit 1	25769-25791 7:04:01
GGCGGCGGGCGGCGGCGGCACGG					
25794	25817	23526	25889	CDS product ribonucleotide reductase subunit 1	25794-25817 4:01:01
CCGCAGCCCAGCTGCGCCATTCC					

26244	26275	26231	27655	CDS product capsid triplex subunit 1	26244-26275	6:03:01
CCACCCAGTCCCCGGTTCCCCACACCAAGCCC						
26470	26491	26231	27655	CDS product capsid triplex subunit 1	26470-26491	4:01:01 GGGGCAGCGGTAGCCGCGCGG
26552	26564	26231	27655	CDS product capsid triplex subunit 1	26552-26564	4:01:01 CCCGCCGTCCCCC
26885	26905	26231	27655	CDS product capsid triplex subunit 1	26885-26905	4:01:01 CCGCCCAGGCACCCGAGTGCC
26912	26948	26231	27655	CDS product capsid triplex subunit 1	26912-26948	6:03:01
GGGAACGCGCGGCAGCGGATCATGGCCTGCAGGCAGG						
26979	27004	26231	27655	CDS product capsid triplex subunit 1	26979-27004	5:02:01
GGCGGTCGCCGAGTTGAAATGAGG						
27046	27059	26231	27655	CDS product capsid triplex subunit 1	27046-27059	4:01:01 GGCGGCGCAGGCGG
27322	27348	26231	27655	CDS product capsid triplex subunit 1	27322-27348	6:03:01
GGGCGAGAGGACGGCGGTGCCGGCGGG						
27458	27499	26231	27655	CDS product capsid triplex subunit 1	27458-27499	7:04:01
CCCCGGGGTGCCCGCCGCGAGCGCCCAACCGCAGGCGCC						
27517	27539	26231	27655	CDS product capsid triplex subunit 1	27517-27539	5:02:01 GGCTTCGGCGGCAGAGGCCTCGG
27534	27547	26231	27655	CDS product capsid triplex subunit 1	27534-27547	4:01:01 CCTCGGCCGCCGCC
27550	27562	26231	27655	CDS product capsid triplex subunit 1	27550-27562	4:01:01 GGCGGCGGCGGGG
27575	27592	26231	27655	CDS product capsid triplex subunit 1	27575-27592	5:02:01 GGCGGCGGCGGCTGGG
27913	27939	27871	30945	CDS product tegument protein UL37	27913-27939	6:03:01 GGTTGGATGGCGAGGTCGCCGCCCGG
27950	27972	27871	30945	CDS product tegument protein UL37	27950-27972	5:02:01 GGAGGCCAGGCGGCCGTCTCGG
27977	27995	27871	30945	CDS product tegument protein UL37	27977-27995	4:01:01 CCTCCTCGCGTCCGGGCCC
28160	28179	27871	30945	CDS product tegument protein UL37	28160-28179	4:01:01 GGCCGGCGTTCCGGACCTGG
28199	28221	27871	30945	CDS product tegument protein UL37	28199-28221	4:01:01 GGCGCCGTTGGGTTACCTGGCGG

28214	28238	27871	30945	CDS product tegument protein UL37
28241	28257	27871	30945	CDS product tegument protein UL37
28274	28287	27871	30945	CDS product tegument protein UL37
28319	28345	27871	30945	CDS product tegument protein UL37
28346	28369	27871	30945	CDS product tegument protein UL37
28513	28534	27871	30945	CDS product tegument protein UL37
28598	28632	27871	30945	CDS product tegument protein UL37
GGACACGGCGCCGGGCTGGCTGAGGCGTTGCGG				
28721	28740	27871	30945	CDS product tegument protein UL37
28854	28868	27871	30945	CDS product tegument protein UL37
28963	28979	27871	30945	CDS product tegument protein UL37
28982	29003	27871	30945	CDS product tegument protein UL37
29093	29122	27871	30945	CDS product tegument protein UL37
GGCGGTGGGCTGCGTGGCGGTGGCGGGCGG				
29321	29349	27871	30945	CDS product tegument protein UL37
GGCGCTGGCGGCAGAGCCGCGGCCGCGG				
29484	29513	27871	30945	CDS product tegument protein UL37
CCGCCCCGCGCCGAAGCGCCGCCCGCGGCC				
29531	29550	27871	30945	CDS product tegument protein UL37
29627	29657	27871	30945	CDS product tegument protein UL37
CCCGGCCCTTTGCGCCCCACTTCGCGCGCGCC				
29666	29685	27871	30945	CDS product tegument protein UL37
29754	29769	27871	30945	CDS product tegument protein UL37

28214-28238	4:01:01	CCTGGCGGCCGCGCGCCTGCGCGCC
28241-28257	4:01:01	GGCGGCGTTCGGCCCGG
28274-28287	4:01:01	GGTGGTGGAGTGGG
28319-28345	4:01:01	GGACGCGCGTGCGTGGGTGTGTTAGG
28346-28369	4:01:01	CCCCGACCCTGCGTGCCGCTCGCC
28513-28534	4:01:01	CCGCGGACCCGCGGCGCCGCC
28598-28632	6:03:01	
28721-28740	4:01:01	GGCGGCGCTGGCCTACCGGG
28854-28868	4:01:01	GGCGGCGTGGTGCGG
28963-28979	4:01:01	CCACGCCAGACCAAGCC
28982-29003	4:01:01	GGAGACGCTGGCCGCGCGGGG
29093-29122	8:05:02	
29321-29349	6:03:01	
29484-29513	6:03:01	
29531-29550	4:01:01	GGCCGCGGGCGGCGCTTCGG
29627-29657	6:03:01	
29666-29685	4:01:01	GGACGTGCTGGTGGCTGCGG
29754-29769	4:01:01	GGCGGGGAGCGGTGG

29801 29822 27871 30945 CDS product tegument protein UL37
 29945 29965 27871 30945 CDS product tegument protein UL37
 30093 30112 27871 30945 CDS product tegument protein UL37
 30197 30238 27871 30945 CDS product tegument protein UL37

GGGTGCGTGGCGCTCGGCGGACCTGGCCGACGCGGTGCGCGG

30247 30269 27871 30945 CDS product tegument protein UL37
 30363 30375 27871 30945 CDS product tegument protein UL37
 30398 30451 27871 30945 CDS product tegument protein UL37

GGCGGGCCACTCGGCGCTGGTGGGGCGCAGACGGCGCTGGCGCTGGCCGCCG

30461 30482 27871 30945 CDS product tegument protein UL37
 30592 30624 27871 30945 CDS product tegument protein UL37

GGCTCCGCGCGTCTGGGACGAGGTCCAGGAGG

30686 30753 27871 30945 CDS product tegument protein UL37

GGCGGTGCTGGCGCTGTTGGAGGGCTACCCGGAGGTTCGGGGAGACGAGGGCAGCCCGCGCTCCTGG

30764 30784 27871 30945 CDS product tegument protein UL37
 30832 30848 27871 30945 CDS product tegument protein UL37
 30851 30875 27871 30945 CDS product tegument protein UL37
 30919 30939 27871 30945 CDS product tegument protein UL37
 31125 31150 31040 40651 CDS product large tegument protein
 31181 31199 31040 40651 CDS product large tegument protein
 31305 31327 31040 40651 CDS product large tegument protein
 31329 31347 31040 40651 CDS product large tegument protein
 31479 31511 31040 40651 CDS product large tegument protein

29801-29822 5:02:01 GGCCCTGGCGGCCGGGCTCTGG
 29945-29965 4:01:01 CCCGCCTGTGCCCCGCGCGCCC
 30093-30112 5:02:01 GGCGCGGTGGCGCGGCTGGG
 30197-30238 7:04:01

30247-30269 4:01:01 CCGAAGCCGCGCGCGCCCGGGCC
 30363-30375 4:01:01 GGCGGCGGGCTGG
 30398-30451 9:06:02

30461-30482 5:02:01 GGCGGGCGCGGAGGCGCCGGG
 30592-30624 6:03:01

30686-30753 11:08:02

30764-30784 4:01:01 GGACGTGGCCGACTGGGCGGG
 30832-30848 4:01:01 CCGCCGCGTCTGCCGCC
 30851-30875 5:02:01 GGCAAACACGGCGCGGGGCCGTGG
 30919-30939 4:01:01 CCAGTCGCCCCGCCGAGCCC
 31125-31150 5:02:01 GGCGCTGGGGCCGGGACGCGGTGG
 31181-31199 4:01:01 GGCTGGCCTTCGCGGGCGG
 31305-31327 5:02:01 CCTGCCAAACCGCATCACCGACC
 31329-31347 4:01:01 GGCGGGCGCGGGGAGCGGG
 31479-31511 5:02:01

GGCGCTGGTGATCGTGGGCGCCATGGGCGTCGG					
31803	31839	31040	40651	CDS product large tegument protein	31803-31839 6:03:01
CCCGCGCGCGCCGGCCAACACGGCCTGCCTTACGGCC					
31836	31861	31040	40651	CDS product large tegument protein	31836-31861 7:04:01 GGCCGTGGCGGTGGGCGGCGGGGG
31950	31983	31040	40651	CDS product large tegument protein	31950-31983 6:03:01
GGCCGCGGCCGCGGCTCGCGCGCGGGTAAGCGG					
31997	32016	31040	40651	CDS product large tegument protein	31997-32016 5:02:01 GGCGGCGGCGGGCCCCGTGG
32009	32041	31040	40651	CDS product large tegument protein	32009-32041 5:02:01
CCCCGTGGACGCCGCCCTCGAGCCGCGAGGACC					
32088	32152	31040	40651	CDS product large tegument protein	32088-32152 13:10:03
GGTCCGGGGCGCGGAGACGGCGGGGGCCGGGGAAGATTGGGGGAGGGGGAAACGCGGCTGCGG					
32153	32165	31040	40651	CDS product large tegument protein	32153-32165 4:01:01 CCCGCCCGCCGCC
32177	32196	31040	40651	CDS product large tegument protein	32177-32196 4:01:01 CCGCCGCGCCCGCGCACGCC
32202	32222	31040	40651	CDS product large tegument protein	32202-32222 4:01:01 GGCGTGCGCGGCGGAGCTTGG
32232	32254	31040	40651	CDS product large tegument protein	32232-32254 5:02:01 GGCGGAGGTTACGCGGCCTTGG
32243	32263	31040	40651	CDS product large tegument protein	32243-32263 4:01:01 CCGCGGCCTTGGACGCCGTCC
32441	32459	31040	40651	CDS product large tegument protein	32441-32459 4:01:01 CCCCCTCGGCCGTCCAGCC
32467	32482	31040	40651	CDS product large tegument protein	32467-32482 4:01:01 GGGGCGGTGGCCCAGG
32527	32548	31040	40651	CDS product large tegument protein	32527-32548 4:01:01 GGGATGGTGCTCGAGGGGCTGG
32592	32611	31040	40651	CDS product large tegument protein	32592-32611 4:01:01 GGCGCTGGGCGACCTGGCGG
32676	32717	31040	40651	CDS product large tegument protein	32676-32717 9:06:02
GGACGAGCTGGAGGGCGAGGTGGACGGCGCCGGCGGCGCGGG					
32763	32779	31040	40651	CDS product large tegument protein	32763-32779 4:01:01 CCTCTCGGCCTCCGGCC

32769	32784	31040	40651	CDS product large tegument protein
32870	32889	31040	40651	CDS product large tegument protein
32913	32929	31040	40651	CDS product large tegument protein
32949	32975	31040	40651	CDS product large tegument protein
32982	33016	31040	40651	CDS product large tegument protein
GGTGCCCGCGGACAGCGCGGTGGCCGACTTGCGCG				
33059	33075	31040	40651	CDS product large tegument protein
33146	33160	31040	40651	CDS product large tegument protein
33240	33263	31040	40651	CDS product large tegument protein
33266	33303	31040	40651	CDS product large tegument protein
CCGCGCCGGGCGCCGCGGCCTCCGCTGCCGCGGTCC				
33367	33385	31040	40651	CDS product large tegument protein
33399	33413	31040	40651	CDS product large tegument protein
33469	33508	31040	40651	CDS product large tegument protein
GGGCGCTCGCGTCGCGGGCGTCGCTGGAGGCGAGCATGG				
33531	33554	31040	40651	CDS product large tegument protein
33564	33581	31040	40651	CDS product large tegument protein
33648	33673	31040	40651	CDS product large tegument protein
33699	33766	31040	40651	CDS product large tegument protein
GGCCGCGCCCGCGCGGGGCTAGAGGCGCAGGCGCTCGCGGCGGGCGCGCTGGCCGAGCTGGGGG				
33840	33861	31040	40651	CDS product large tegument protein
34008	34034	31040	40651	CDS product large tegument protein
34068	34090	31040	40651	CDS product large tegument protein

32769-32784	4:01:01	GGCCTCCGGCCGCGG
32870-32889	4:01:01	CCCGCTGGCCGCGAGACC
32913-32929	4:01:01	GGCGCTGGAGGGCACGG
32949-32975	5:02:01	CCTGGACGCCGTCCCGCCGACGACCC
32982-33016	6:03:01	
33059-33075	5:02:01	CCGCCGCCCTCTCCGCC
33146-33160	4:01:01	CCATCTGGCCGACC
33240-33263	6:03:01	GGCGGCGGGTGGCTCGGCTTG
33266-33303	7:04:01	
33367-33385	4:01:01	GGCTCGCGGCTGGGTGG
33399-33413	4:01:01	GGCGCAGCGGAAGG
33469-33508	6:03:01	
33531-33554	7:04:01	GGCGGCGCGGGCGGGCGGGG
33564-33581	4:01:01	GGAGGCGCCGGGCGCGGG
33648-33673	5:02:01	GGACGCCCTGGCGACGGGCGGGCGG
33699-33766	11:08:02	
33840-33861	4:01:01	GGCGCCGCGCGCTGGAGCGG
34008-34034	5:02:01	GGCGCGGGCGCGCTGGCCGGGCTGGG
34068-34090	4:01:01	GGGCCAGGCGATGGGCCCCGCG

34107	34162	31040	40651	CDS product large tegument protein	34107-34162	9:06:02
GGGGCACGCGGAGCGCGTGGCGGCCGCCGTGGCTCGCGCGCGGCGGAGCCTGCGG						
34156	34182	31040	40651	CDS product large tegument protein	34156-34182	5:02:01 CCTGCGGCGCCTGCCGCGGTGGCCGCC
34203	34229	31040	40651	CDS product large tegument protein	34203-34229	6:03:01 GGCGGCTGAGGCGCTGCGGGCCGGGGG
34306	34322	31040	40651	CDS product large tegument protein	34306-34322	4:01:01 GGCGCGCGCGGCTGGG
34440	34465	31040	40651	CDS product large tegument protein	34440-34465	6:03:01 GGCAGACGCGCGCTGGGGGCGGCGG
34478	34534	31040	40651	CDS product large tegument protein	34478-34534	12:09:03
GGGCCGCGGACGAGCCGCGGTGGCCGCCGCGGCGAGGATGCGGACGGCGCGAGG						
34545	34565	31040	40651	CDS product large tegument protein	34545-34565	4:01:01 GGCCGACGCGGACGGCGCCGG
34629	34650	31040	40651	CDS product large tegument protein	34629-34650	5:02:01 GGCCCGGGCGCTGGCGCGGCGG
34665	34686	31040	40651	CDS product large tegument protein	34665-34686	4:01:01 CCGGCGCCTGCGCGCCGAGGCC
34718	34741	31040	40651	CDS product large tegument protein	34718-34741	5:02:01 GGCAGGAGGAGCGCTGGCGCGAGG
34844	34879	31040	40651	CDS product large tegument protein	34844-34879	7:04:01
GGCCGCTGGCGCGGCGAGGCCGACCGGGCGCTGGAGG						
35157	35173	31040	40651	CDS product large tegument protein	35157-35173	4:01:01 GGAGGGCGACCTGGCGG
35213	35236	31040	40651	CDS product large tegument protein	35213-35236	5:02:01 GGGGGCACGCGGCCTTCGAGGAGG
35277	35299	31040	40651	CDS product large tegument protein	35277-35299	6:03:01 GGCGGCCGCGGGCGCGCGGCGG
35496	35551	31040	40651	CDS product large tegument protein	35496-35551	10:07:02
GGCCGCGGCGGAGAGGCGCTAGAGGCGGCAAAGGCGGCGCGCGGAGGCCACGG						
35572	35596	31040	40651	CDS product large tegument protein	35572-35596	5:02:01 GGCGAGGTCGTGGCTGCCGAGGCGG
35618	35641	31040	40651	CDS product large tegument protein	35618-35641	4:01:01 CCGGGCTGGCCAACCTCAAGAACC
35688	35706	31040	40651	CDS product large tegument protein	35688-35706	4:01:01 CCGCGCCGCTCGGCGGCC
35736	35784	31040	40651	CDS product large tegument protein	35736-35784	11:08:02

GGCGGCCGTGGAGGAGGCGCCGGAGCTGGACGTGGCCGCGGTGGAGTGG					
35915	35959	31040	40651	CDS product large tegument protein	35915-35959 10:07:02
GGCGGCAGCTGGAGTCGGCGGCGGCGCGTGGGACGGCGCGTGGG					
35979	35994	31040	40651	CDS product large tegument protein	35979-35994 4:01:01 CCGCCGCGCGGCCGCC
36042	36066	31040	40651	CDS product large tegument protein	36042-36066 5:02:01 GGCGGCCGCGGCGTGGTGCTGGGG
36112	36143	31040	40651	CDS product large tegument protein	36112-36143 6:03:01
GGCGCGCTGGACGCGCGGCTGGCGGAGCGCGG					
36158	36180	31040	40651	CDS product large tegument protein	36158-36180 4:01:01 CCTTCCACGAAGCCGCGCGCGCC
36219	36235	31040	40651	CDS product large tegument protein	36219-36235 4:01:01 GGCGGTGCGCGGCGAGG
36287	36310	31040	40651	CDS product large tegument protein	36287-36310 5:02:01 CCGAGCTCCCGCCTGGCCGCC
36526	36548	31040	40651	CDS product large tegument protein	36526-36548 4:01:01 GGGCGCGTGGCGGCCCTTCTGGG
36607	36627	31040	40651	CDS product large tegument protein	36607-36627 4:01:01 CCGCGCGCCTACCTGGACGCC
36739	36760	31040	40651	CDS product large tegument protein	36739-36760 6:03:01 GGCGTGGTGGAGGCGGCTTCGG
36875	36886	31040	40651	CDS product large tegument protein	36875-36886 4:01:01 GGGGGCTGGCGG
36987	37029	31040	40651	CDS product large tegument protein	36987-37029 7:04:01
GGCCGAGCGGGGCTGCGGCCAGCGGGCGCCGGCGAGCGGG					
37227	37252	31040	40651	CDS product large tegument protein	37227-37252 4:01:01 GGGAGAGCCCGGTGCGAGGCGCCCGG
37261	37289	31040	40651	CDS product large tegument protein	37261-37289 7:04:01
GGCGGCGGCGGACGACCCGGCGGACGG					
37301	37314	31040	40651	CDS product large tegument protein	37301-37314 4:01:01 CCATCCGCGCCGCC
37329	37344	31040	40651	CDS product large tegument protein	37329-37344 4:01:01 CCGCCTTTCCCGTCC
37590	37650	31040	40651	CDS product large tegument protein	37590-37650 12:09:03
GGGCGGCCCTTCGAAGACGCGGCGGCGCTGGCCGCTGCGGCTGCGGCGCCGGGGGCCGG					

37764	37798	31040	40651	CDS product large tegument protein	37764-37798 5:02:01
GGGCGCGCCGTTGTCGTGGCCATGGAGAACCCGG					
37871	37887	31040	40651	CDS product large tegument protein	37871-37887 4:01:01 CCGACGCGCCTGCCGCC
37910	37927	31040	40651	CDS product large tegument protein	37910-37927 4:01:01 GGGGGGAGCGGCTGCTGG
38081	38093	31040	40651	CDS product large tegument protein	38081-38093 4:01:01 CCGCCGCGCCGCC
38173	38198	31040	40651	CDS product large tegument protein	38173-38198 6:03:01 CCCCCGCGGCCAGCGCCGCCGACCC
38274	38298	31040	40651	CDS product large tegument protein	38274-38298 5:02:01 CCCCCCGTGTTCAGCACGCCACC
38321	38345	31040	40651	CDS product large tegument protein	38321-38345 7:04:01 GGGCGGCGGAGGTGGCGGCAGCGG
38418	38446	31040	40651	CDS product large tegument protein	38418-38446 6:03:01
GGCACCGGCACTGGCACCGGCTTCGGCGG					
38505	38517	31040	40651	CDS product large tegument protein	38505-38517 4:01:01 CCCGCCGGCCCCC
38532	38544	31040	40651	CDS product large tegument protein	38532-38544 4:01:01 CCCGCCGGCCCCC
38559	38571	31040	40651	CDS product large tegument protein	38559-38571 4:01:01 CCCGCCGGCCCCC
38617	38636	31040	40651	CDS product large tegument protein	38617-38636 4:01:01 GGAGCCGCGGAGGCTCCTGG
38684	38702	31040	40651	CDS product large tegument protein	38684-38702 4:01:01 CCATGCCCGCCGCGTTGCC
38712	38906	31040	40651	CDS product large tegument protein	38712-38906 44:41:11
CCCGCCGCGCGAAGCCTGGTCTCCGCAGCGCTCCAGTGCCTCCGGGGCCGCGCTGCCGCCGGCCCCGCCATTGCCGCCGGCCCCGCCATTGCCGCCGGCCCCGCCATTGCCACCGCCGG					
CCCCGCCATTGCCGCCGGCCCCGCCATTGCCGCCGGCCCCGCCATTGCCGCCGGCCCC					
38915	39020	31040	40651	CDS product large tegument protein	38915-39020 20:17:05
CCCCGTTCCGGCCCCGCCATTGCCGCCGGGCCCTGACTCCGGCCCTGACTCCGGCCCCGACTCCGGCCCCGACTCCGGCCCCGCCATTGCCGCTGCCGGCCCC					
39027	39058	31040	40651	CDS product large tegument protein	39027-39058 6:03:01
GGTTTTGGTTCCGGCCCCGGTTCCGGCTCCGG					
39037	39131	31040	40651	CDS product large tegument protein	39037-39131 18:15:04

CCGGCCCCGGTTCCGGCTCCGGCCCCGATTCCGGCTCCGGCCCCGACTCCGGCTCCGGCCCCGACTCCGGCTCCGCCATTGCCGCCGCCGGCTCC

39244	39263	31040	40651	CDS product large tegument protein	39244-39263	4:01:01	CCCGCCAGCGTTCCGGCGCC
39325	39338	31040	40651	CDS product large tegument protein	39325-39338	4:01:01	CCGTCCAGACCGCC
39349	39392	31040	40651	CDS product large tegument protein	39349-39392	8:05:02	
CCCGTGCCTGGCTTGCCCTGCCGCCGAGCCGGGTCCAAGCACC							
39403	39570	31040	40651	CDS product large tegument protein	39403-39570	32:29:08	
CCCGCGCCGCCCCCGCGCCAGAGCGGCCCCGCGCCGCCCCCGCGCCAGAGCGGCCCCGCGCGCCCCCGCGCCAGAGCGGCCCCGCGCGCCCCCGCGCC							
AGAGCGGCCCCGCGCGCCCCCGCGCCAGAGCGGCCCCGCG							
39618	39631	31040	40651	CDS product large tegument protein	39618-39631	4:01:01	GGTGGGCCAGGTGG
39673	39693	31040	40651	CDS product large tegument protein	39673-39693	4:01:01	CCTGGCGCGCCCGCCAGGCCC
39725	39744	31040	40651	CDS product large tegument protein	39725-39744	4:01:01	CCCGGGCCGTTGACCCTACC
39829	39847	31040	40651	CDS product large tegument protein	39829-39847	4:01:01	CCGCCTGGCCCCGCTCCCC
39856	39889	31040	40651	CDS product large tegument protein	39856-39889	7:04:01	
CCCCCTGCGCCTTCGGCCCTGCCGGCGCCGCGCC							
39916	40052	31040	40651	CDS product large tegument protein	39916-40052	25:22:06	
CCGGCGCCCCCGATCGCGCCCCGATCGCGCCCCGATCGCGCCCCGATCGCGCCCCGATCGCGCCCCGATCGCGCCCCGATCGCGCCCCCGCCATGCC							
GGCACCCCC							
40082	40118	31040	40651	CDS product large tegument protein	40082-40118	8:05:02	
CCGCGCCCCCAATCGCGCCCCCGCCACGCCAGCGCC							
40129	40148	31040	40651	CDS product large tegument protein	40129-40148	4:01:01	CCCCTTGCCGCGCCGGTGCC
40143	40165	31040	40651	CDS product large tegument protein	40143-40165	5:02:01	GGTGCTCGGTTGGTAGGTGCGG
40324	40345	31040	40651	CDS product large tegument protein	40324-40345	5:02:01	CCCGCGCCCCCAAGTCCCCC
40358	40378	31040	40651	CDS product large tegument protein	40358-40378	4:01:01	CCGACGCCACCGATAGCTCCC

40380	40408	31040	40651	CDS product large tegument protein	40380-40408 6:03:01
GGACGGAAGCGGGCCGAAACGGAAGAGG					
40419	40442	31040	40651	CDS product large tegument protein	40419-40442 5:02:01 GGAAGCGGGGGGCGACGGCCCCGG
40831	40850	40812	41186	CDS product small capsid protein	40831-40850 5:02:01 CCGCCGCGCCAGCGTCCTCC
40879	40890	40812	41186	CDS product small capsid protein	40879-40890 4:01:01 GGGGAGGAAGG
41030	41051	40812	41186	CDS product small capsid protein	41030-41051 4:01:01 CCGGGCCGCGCTCACCTGCTCC
41128	41162	40812	41186	CDS product small capsid protein	41128-41162 6:03:01
GGGTGTCGGGGTGATGGTAGCCGCGCACTAGGG					
41357	41371	41231	42013	CDS product nuclear egress membrane protein	41357-41371 4:01:01 CCGGCGCCGCCGGCC
41548	41575	41231	42013	CDS product nuclear egress membrane protein	41548-41575 4:01:01
GGACATCATGGCGCGAAAGGGCCGTGGG					
41766	41792	41231	42013	CDS product nuclear egress membrane protein	41766-41792 4:01:01
CCGTCTGCGCCCAGCTGGCCATTAGCC					
41863	41892	41231	42013	CDS product nuclear egress membrane protein	41863-41892 6:03:01
GGGCGGGCGGCGCGGGTCCCAGGGCTGGGG					
41966	41985	41231	42013	CDS product nuclear egress membrane protein	41966-41985 4:01:01 CCCTCGCCCTCGCCCTCGCC
42185	42198	42124	42450	CDS product DNA packaging protein UL33	42185-42198 4:01:01 CCTTCCTCGCCTCC
42221	42239	42124	42450	CDS product DNA packaging protein UL33	42221-42239 5:02:01 CCGCCCGCCCGCCCGAGCC
42291	42305	42124	42450	CDS product DNA packaging protein UL33	42291-42305 4:01:01 GGCGTCGGTGGTGGG
42389	42420	42124	42450	CDS product DNA packaging protein UL33	42389-42420 5:02:01
CCAGCTCGGCCACGTCCTCGGTGGCCAGCGCC					
42469	42488	42431	44236	CDS product DNA packaging protein UL32	42469-42488 5:02:01 GGCGCCGGTGCGGCGCATGG
42628	42659	42431	44236	CDS product DNA packaging protein UL32	42628-42659 7:04:01

GGGGACGAGGACGGGGGTGGTACAGGGACGG

42669 42680 42431 44236 CDS product DNA packaging protein UL32

42713 42747 42431 44236 CDS product DNA packaging protein UL32

CCGCCCGCGCTGGCCATCGACCGGCCCTGCGCC

42793 42816 42431 44236 CDS product DNA packaging protein UL32

42844 42861 42431 44236 CDS product DNA packaging protein UL32

42891 42927 42431 44236 CDS product DNA packaging protein UL32

CCTGATGGACCGGCACTTCCTAGCCGCGCACCGCGCC

43011 43028 42431 44236 CDS product DNA packaging protein UL32

43088 43108 42431 44236 CDS product DNA packaging protein UL32

43113 43165 42431 44236 CDS product DNA packaging protein UL32

GGCAACGCGGGCGCTGCTGGCTCGGCGGCGGAGGCGCCCGAGGCGCCGCGG

43276 43316 42431 44236 CDS product DNA packaging protein UL32

GGTGGCGGTGGGGGCGCGGGCGGCGCGGCCCGGGGGG

43412 43428 42431 44236 CDS product DNA packaging protein UL32

43535 43548 42431 44236 CDS product DNA packaging protein UL32

43644 43669 42431 44236 CDS product DNA packaging protein UL32

GGCGCTGGGGCCGGTGCTGGCCACGG

43846 43871 42431 44236 CDS product DNA packaging protein UL32

GGCGCGCCGGTCGAGGGCGACGGCGG

44115 44139 42431 44236 CDS product DNA packaging protein UL32

CCAGCGGTTCCTCCCAAGCCGACC

44306 44327 44229 45314 CDS product nuclear egress lamina protein

42669-42680 4:01:01 GGAGGGGGGCGG

42713-42747 7:04:01

42793-42816 4:01:01 CCCCCCTGGGTGGCCGACTACGCC

42844-42861 4:01:01 CCGCCCTGTGCCGTGGCC

42891-42927 6:03:01

43011-43028 4:01:01 GGACGGCGGCGTTCCCGG

43088-43108 4:01:01 CCAACTACTCCTTCCTCATCC

43113-43165 11:08:02

43276-43316 10:07:02

43412-43428 4:01:01 CCGCGGCCAGCGCCGCC

43535-43548 4:01:01 CCGCGCGCGCCGCC

43644-43669 5:02:01

43846-43871 5:02:01

44115-44139 5:02:01

44306-44327 4:01:01

GGCGACTGGGCAACGGCCCCGG					
44322	44357	44229	45314	CDS product nuclear egress lamina protein	44322-44357 6:03:01
CCCCGGCCTCGACACCAGCCCCGGCCCCGGGGCGCC					
44439	44465	44229	45314	CDS product nuclear egress lamina protein	44439-44465 5:02:01
CCCGCTCCCGGGGCCCGGCCACGCGCC					
44488	44504	44229	45314	CDS product nuclear egress lamina protein	44488-44504 4:01:01 GGGGGCGCGGCGCGCG
44707	44733	44229	45314	CDS product nuclear egress lamina protein	44707-44733 5:02:01
CCCCGCCTGCACCGTGACGGCGAGCC					
44803	44825	44229	45314	CDS product nuclear egress lamina protein	44803-44825 6:03:01
CCGGGCCTTCCTGGCCTCCATCC					
44834	44862	44229	45314	CDS product nuclear egress lamina protein	44834-44862 7:04:01
GGCGGGACGGACGACGGCGGCTTTGGCGG					
44868	44890	44229	45314	CDS product nuclear egress lamina protein	44868-44890 5:02:01
CCCCCGGCCCCGGCGGCCCCACC					
45042	45074	44229	45314	CDS product nuclear egress lamina protein	45042-45074 8:05:02
CCATCCACCTGCACCACCGCCTGCTGGACCACC					
45139	45162	44229	45314	CDS product nuclear egress lamina protein	45139-45162 6:03:01
GGTGCGCCGGGACGGGGGTGGGGG					
45190	45212	44229	45314	CDS product nuclear egress lamina protein	45190-45212 5:02:01
GGTGCCGGCGGTGAGCGGGGG					
45428	45466	45238	48978	CDS product DNA polymerase catalytic subunit	45428-45466 7:04:01
GGGCCTTGAAGGTGGCGCCGACGGTGCCTAGGAGGTGGG					
45503	45534	45238	48978	CDS product DNA polymerase catalytic subunit	45503-45534 5:02:01

CCCGCGCATACCCCGGGTCCTCGGCCATGTCC					
45570	45586	45238	48978	CDS product DNA polymerase catalytic subunit	45570-45586 4:01:01
GGGCGGCGCGGACGGGG					
45741	45762	45238	48978	CDS product DNA polymerase catalytic subunit	45741-45762 5:02:01
GGCGTAGGCCTCCGGTGGGCGG					
45891	45919	45238	48978	CDS product DNA polymerase catalytic subunit	45891-45919 6:03:01
GGGCGGCACGGCCGAGGCCTCGGCCGCGG					
46033	46049	45238	48978	CDS product DNA polymerase catalytic subunit	46033-46049 4:01:01
CCGCCGCCGACAAGGCC					
46130	46161	45238	48978	CDS product DNA polymerase catalytic subunit	46130-46161 6:03:01
CCGCCGAAACCCGGCGGCCATGCCGTCGCC					
46208	46230	45238	48978	CDS product DNA polymerase catalytic subunit	46208-46230 4:01:01
CCGAGTCCGTGTCGCCGTAAACC					
46241	46258	45238	48978	CDS product DNA polymerase catalytic subunit	46241-46258 5:02:01
GGTAGCGGCCGGCGGCGG					
46259	46275	45238	48978	CDS product DNA polymerase catalytic subunit	46259-46275 5:02:01
CCGCCCGGGCCGGCC					
46488	46503	45238	48978	CDS product DNA polymerase catalytic subunit	46488-46503 4:01:01 GGGCGGCGGGTGGGG
46772	46796	45238	48978	CDS product DNA polymerase catalytic subunit	46772-46796 5:02:01
CCAAAACCTTGCCCCCTGGTACCC					
46824	46859	45238	48978	CDS product DNA polymerase catalytic subunit	46824-46859 7:04:01
CCGGTCCGCCGCGCCGCGGCCCTCGTTCCCCC					
46870	46915	45238	48978	CDS product DNA polymerase catalytic subunit	46870-46915 9:06:02

CCCCCTCGTCCTCCTCTTCTCCTCGCCGCGAGCCGCGTCGGCCC					
46931	46976	45238	48978	CDS product DNA polymerase catalytic subunit	46931-46976 9:06:02
CCCCCGTCCCCGCCGGCGCCCCGCGCCGCGCGGCTCGGCTCC					
46965	47000	45238	48978	CDS product DNA polymerase catalytic subunit	46965-47000 6:03:01
GGCCTCGGCTCCGGCGAGGCGCTTTTGGGTGTCCGG					
47084	47121	45238	48978	CDS product DNA polymerase catalytic subunit	47084-47121 8:05:02
CCGTGATTCCGGCCAGCCGCGCCACCGCCGACAGCTCC					
47185	47214	45238	48978	CDS product DNA polymerase catalytic subunit	47185-47214 5:02:01
CCGATGACGCGCGCCCCTCGGGCCCGGCC					
47234	47280	45238	48978	CDS product DNA polymerase catalytic subunit	47234-47280 9:06:02
CCTTGTAGTCCAGGTCCACCTTCCGCTCCCGCAGGGCCTCCTCGGCC					
47601	47623	45238	48978	CDS product DNA polymerase catalytic subunit	47601-47623 5:02:01
GGCGGGCGCGGGAGCCCGGCGG					
47639	47662	45238	48978	CDS product DNA polymerase catalytic subunit	47639-47662 6:03:01
GGAAGCCGGCGGCAGGTCGCAGG					
47732	47766	45238	48978	CDS product DNA polymerase catalytic subunit	47732-47766 6:03:01
GGACGACGAGGTCTCGGCGTTGGCGGCCGCCGGG					
47759	47784	45238	48978	CDS product DNA polymerase catalytic subunit	47759-47784 5:02:01
CCGCCGGGAACGCCAGCCCGTCGCCC					
48143	48165	45238	48978	CDS product DNA polymerase catalytic subunit	48143-48165 5:02:01
CCGCTGCCTCGACCACCGCGACC					
48190	48208	45238	48978	CDS product DNA polymerase catalytic subunit	48190-48208 4:01:01
CCCAGGTAACCGCCGGGCC					

48219	48232	45238	48978	CDS product DNA polymerase catalytic subunit	48219-48232 4:01:01	GGCCCCGGCCGGCGG
48236	48264	45238	48978	CDS product DNA polymerase catalytic subunit	48236-48264 5:02:01	
CCTGCTGTGCCGCGCCGGCGGCCAGGGCC						
48252	48268	45238	48978	CDS product DNA polymerase catalytic subunit	48252-48268 4:01:01	
GGCGGCCAGGGCCGAGG						
48324	48340	45238	48978	CDS product DNA polymerase catalytic subunit	48324-48340 4:01:01	
GGCTAGGTCGACGGCGG						
48397	48414	45238	48978	CDS product DNA polymerase catalytic subunit	48397-48414 4:01:01	
CCGTCCTCCGACATGCCC						
48428	48450	45238	48978	CDS product DNA polymerase catalytic subunit	48428-48450 5:02:01	
CCGTGGCGCCGCGGGCCGGGCC						
48432	48466	45238	48978	CDS product DNA polymerase catalytic subunit	48432-48466 6:03:01	
GGCGCCGCGGGCCGGGCTCGGCGGCAAAGCGGG						
48701	48743	45238	48978	CDS product DNA polymerase catalytic subunit	48701-48743 9:06:02	
CCGCCGCCCCCGCAGCCTCGTCGTCCGTGCCGCGTCGGCGCC						
48738	48764	45238	48978	CDS product DNA polymerase catalytic subunit	48738-48764 4:01:01	
GGCGCCGTCGGCGTCCAGGCAGCGCGG						
48776	48793	45238	48978	CDS product DNA polymerase catalytic subunit	48776-48793 5:02:01	
GGAAGGACGAGGCGGCGG						
48809	48837	45238	48978	CDS product DNA polymerase catalytic subunit	48809-48837 7:04:01	
CCGCGCGCCCGCCCGCGGCCCGCCGCC						
48891	48924	45238	48978	CDS product DNA polymerase catalytic subunit	48891-48924 6:03:01	
GGGGGCGCCTCGGCCGCGGGCGCGAGGTACGGG						

49234	49253	49233	52844	CDS product single-stranded DNA-binding protein	49234-49253 4:01:01
GGACGCGGCGCCAAGACGG					
49445	49469	49233	52844	CDS product single-stranded DNA-binding protein	49445-49469 5:02:01
GGCCTGGGTGGCGGGGCTGACGG					
49481	49497	49233	52844	CDS product single-stranded DNA-binding protein	49481-49497 4:01:01
CCCAGCCACTACCACCC					
49528	49556	49233	52844	CDS product single-stranded DNA-binding protein	49528-49556 5:02:01
CCTGCGCGCCAGCACGGCCGCGCCAAACC					
49708	49727	49233	52844	CDS product single-stranded DNA-binding protein	49708-49727 4:01:01
GGAGGCTTTCAAGGAGACGG					
49780	49796	49233	52844	CDS product single-stranded DNA-binding protein	49780-49796 4:01:01
GGGCGCCGGCGAGGCGG					
49957	49973	49233	52844	CDS product single-stranded DNA-binding protein	49957-49973 4:01:01
GGGCCCCGCCGCGGTGG					
50095	50116	49233	52844	CDS product single-stranded DNA-binding protein	50095-50116 5:02:01
GGGGCGCGGTGGCGCCGCGGG					
50126	50150	49233	52844	CDS product single-stranded DNA-binding protein	50126-50150 5:02:01
GGCGCGGACCCGGGCGGCGCAAGG					
50178	50207	49233	52844	CDS product single-stranded DNA-binding protein	50178-50207 7:04:01
GGCTGGCCTCGGTGATGGCGGCGACACGG					
50398	50420	49233	52844	CDS product single-stranded DNA-binding protein	50398-50420 6:03:01
GGAGGTGGACGACGGCGGCGCGG					
50439	50496	49233	52844	CDS product single-stranded DNA-binding protein	50439-50496 11:08:02

				CCGCCGCCGGCTTCCACCGCTTCTACCAGATCGCCGCCCCCTACGCTGCCGGAACCC	
50519	50548	49233	52844	CDS product single-stranded DNA-binding protein	50519-50548 6:03:01
				CCGCTGCCGCAGACCGGCGCCGGTCCGGCC	
50584	50608	49233	52844	CDS product single-stranded DNA-binding protein	50584-50608 4:01:01
				GGACCACCTGGCGCTGGCGTGCGGG	
50790	50817	49233	52844	CDS product single-stranded DNA-binding protein	50790-50817 5:02:01
				GGCTGCGGCACCGGCTGCCCCGGTTTG	
51258	51278	49233	52844	CDS product single-stranded DNA-binding protein	51258-51278 4:01:01
				GGCGCTCGGTGCTGGCCGTGG	
51320	51337	49233	52844	CDS product single-stranded DNA-binding protein	51320-51337 4:01:01
				GGGCAGCCGGTGGACGGG	
51439	51455	49233	52844	CDS product single-stranded DNA-binding protein	51439-51455 4:01:01
				GGAGGCCGCGGTCGCGG	
51520	51542	49233	52844	CDS product single-stranded DNA-binding protein	51520-51542 4:01:01
				GGTAAGCCTGGAGGTCTTCAAGG	
51731	51758	49233	52844	CDS product single-stranded DNA-binding protein	51731-51758 6:03:01
				CCGCCCGGAGCCCGACGCCCAACCCCC	
51974	52006	49233	52844	CDS product single-stranded DNA-binding protein	51974-52006 5:02:01
				GGGCTCACGGCGATCGTGGCCGGGCGCGACGG	
52061	52081	49233	52844	CDS product single-stranded DNA-binding protein	52061-52081 4:01:01
				CCCACGCCGCGGCGGCCGCC	
52072	52088	49233	52844	CDS product single-stranded DNA-binding protein	52072-52088 4:01:01
				GGCGGCCGCCGAGGAGG	

52099	52128	49233	52844	CDS product single-stranded DNA-binding protein	52099-52128 7:04:01
GGCGGAGGCCCGCCCGAGGTGTGGGCGGG					
52131	52148	49233	52844	CDS product single-stranded DNA-binding protein	52131-52148 4:01:01
CCTTCGCCGCCAGCAACC					
52159	52191	49233	52844	CDS product single-stranded DNA-binding protein	52159-52191 5:02:01
GGTCATGGCCACGCGGCCCGGTAGTGCTGGG					
52243	52272	49233	52844	CDS product single-stranded DNA-binding protein	52243-52272 6:03:01
GGCGGGCAACTGGAGCGGCCTCAACGGGGG					
52421	52448	49233	52844	CDS product single-stranded DNA-binding protein	52421-52448 4:01:01
GGCAGCAACGGCGCGCTGGCGCAGACGG					
52489	52529	49233	52844	CDS product single-stranded DNA-binding protein	52489-52529 8:05:02
GGAGCACATGGACCTGGACGACTGGGCGGCCCTGGTGGAGG					
52552	52610	49233	52844	CDS product single-stranded DNA-binding protein	52552-52610 11:08:02
GGTGGAGCTGACGGAGCGCGGCCCGCGCGCCCGGGGATGGTCGCCGGAGGGCGCGG					
52630	52652	49233	52844	CDS product single-stranded DNA-binding protein	52630-52652 5:02:01
GGAGCTCGAGGCGCGGCCGAGG					
52724	52747	49233	52844	CDS product single-stranded DNA-binding protein	52724-52747 5:02:01
GGCGGCCCGTGGCCGGGGCCGGG					
52729	52778	49233	52844	CDS product single-stranded DNA-binding protein	52729-52778 9:06:02
CCCCGTGGCCGGGGCCGGGCCCGCGCCTGGAGCCAAGCGCCCCGACC					
53095	53116	53058	55538	CDS product DNA packaging terminase subunit 2	53095-53116 4:01:01
CCTCGGCTCCGAGCCTGGCCCC					
53153	53165	53058	55538	CDS product DNA packaging terminase subunit 2	53153-53165 4:01:01 GGCGGGGCGGCGG

53257	53272	53058	55538	CDS product DNA packaging terminase subunit 2	53257-53272 4:01:01 CCGCCACCTCGACGCC
53607	53629	53058	55538	CDS product DNA packaging terminase subunit 2	53607-53629 4:01:01
CCTCAACCGACGCCGCGCTCGCC					
53658	53684	53058	55538	CDS product DNA packaging terminase subunit 2	53658-53684 7:04:01
GGGCCACGGTGGCGGGCGGGGTGG					
53770	53783	53058	55538	CDS product DNA packaging terminase subunit 2	53770-53783 4:01:01 GGGCCGCGGCTGG
53880	53924	53058	55538	CDS product DNA packaging terminase subunit 2	53880-53924 11:08:02
GGGCGCGGCTGGCGGCGCAGCGGCGGCTGGCGGCGCTGGCGG					
53938	53950	53058	55538	CDS product DNA packaging terminase subunit 2	53938-53950 4:01:01 GGGGGCGGGCGGG
53978	53997	53058	55538	CDS product DNA packaging terminase subunit 2	53978-53997 5:02:01
GGAGGCGACGGCGACGGCGG					
54037	54057	53058	55538	CDS product DNA packaging terminase subunit 2	54037-54057 4:01:01
CCACGTCTCCGCCCCGGCGCC					
54120	54155	53058	55538	CDS product DNA packaging terminase subunit 2	54120-54155 8:05:02
CCGCCGCCAGCGCCGTCGCCGCCTTCGCCGGAACC					
54199	54215	53058	55538	CDS product DNA packaging terminase subunit 2	54199-54215 4:01:01
GGCCGCGGCGGAGATGG					
54259	54287	53058	55538	CDS product DNA packaging terminase subunit 2	54259-54287 5:02:01
GGACAAGCTGGCGCAGCTGGACGGCGTGG					
54385	54407	53058	55538	CDS product DNA packaging terminase subunit 2	54385-54407 4:01:01
CCGGCGCCTCAGCGCCCGGACC					
54441	54465	53058	55538	CDS product DNA packaging terminase subunit 2	54441-54465 6:03:01
GGCGGGCGGCCGCGGGCGAGGCGGG					

54475	54495	53058	55538	CDS product DNA packaging terminase subunit 2	54475-54495	5:02:01	
GGTTGGCCTCGGCGGCCCGG							
54526	54542	53058	55538	CDS product DNA packaging terminase subunit 2	54526-54542	5:02:01	
GGAGGAGGGCGGGACGG							
54551	54659	53058	55538	CDS product DNA packaging terminase subunit 2	54551-54659	23:20:05	
GGCGGCGCCGGGGCCGGGTGGGGGCGGTGGGGCGGGCCGTCCGGGGCGCAGACGGCGGGGCGGCGGGAGGACGACGGCCCCGCGGGCTGGGCGGCGCTGGCGG							
54850	54865	53058	55538	CDS product DNA packaging terminase subunit 2	54850-54865	4:01:01	CCGCGCCTTCGCGCC
54871	54893	53058	55538	CDS product DNA packaging terminase subunit 2	54871-54893	5:02:01	
GGCGAGCGGGCACGGTGGTGG							
54898	54916	53058	55538	CDS product DNA packaging terminase subunit 2	54898-54916	4:01:01	
CCGCGCCTCGGACGCCACC							
55138	55163	53058	55538	CDS product DNA packaging terminase subunit 2	55138-55163	7:04:01	
GGCGCCGCGGGGGCGGGTGGGCGG							
55321	55351	53058	55538	CDS product DNA packaging terminase subunit 2	55321-55351	6:03:01	
GGACCGAACGGCGCCGGGCCCGGACGGGCGG							
55425	55448	53058	55538	CDS product DNA packaging terminase subunit 2	55425-55448	5:02:01	
GGGCGCCGAGACGGTCGGCGAGG							
55609	55677	55394	58192	CDS product envelope glycoprotein B	55609-55677	13:10:03	
CCCCCGGCGCCCCGCCGAAGAGGCGGAGCCCGGCGCCCCCGGAGCCCCAGCCCCCGGCCCC							
55776	55794	55394	58192	CDS product envelope glycoprotein B	55776-55794	4:01:01	CCCGCCGCCCTCGGGCGCC
55788	55806	55394	58192	CDS product envelope glycoprotein B	55788-55806	4:01:01	GGGCGCCACGGTGGTCCGG
56074	56089	55394	58192	CDS product envelope glycoprotein B	56074-56089	4:01:01	GGGCGCAAGGTGGTGG
56190	56208	55394	58192	CDS product envelope glycoprotein B	56190-56208	4:01:01	GGCGCTGGGCTCGGCGGGG

56244	56266	55394	58192	CDS product envelope glycoprotein B
56523	56542	55394	58192	CDS product envelope glycoprotein B
56864	56888	55394	58192	CDS product envelope glycoprotein B
56901	56930	55394	58192	CDS product envelope glycoprotein B
CCGCGCCGCGCCGTCTGCGCCCGGCGGCC				
56923	56977	55394	58192	CDS product envelope glycoprotein B
GGCGGCCCGGCGCGCCAACGGGCCCGCGGACGGCGACGCCGGCGGGCGGG				
57020	57040	55394	58192	CDS product envelope glycoprotein B
57060	57082	55394	58192	CDS product envelope glycoprotein B
57162	57174	55394	58192	CDS product envelope glycoprotein B
57282	57303	55394	58192	CDS product envelope glycoprotein B
57324	57346	55394	58192	CDS product envelope glycoprotein B
57382	57397	55394	58192	CDS product envelope glycoprotein B
57654	57676	55394	58192	CDS product envelope glycoprotein B
57708	57761	55394	58192	CDS product envelope glycoprotein B
GGGCCTGGGCGCCGTCGGGCAGGCGGTGGGCACGGTGGTGCTGGGCGCCGCGGG				
57814	57838	55394	58192	CDS product envelope glycoprotein B
57884	57903	55394	58192	CDS product envelope glycoprotein B
57969	57985	55394	58192	CDS product envelope glycoprotein B
58732	58768	58678	59604	CDS product capsid scaffold protein
GGCGGTTGGGCGGGCGGAGGCTGGCCATGGCGCTGG				
58772	58808	58678	59604	CDS product capsid scaffold protein
CCACCGTCGCGGCCACCCGGGCTCCTCCGGCGGCC				

56244-56266	4:01:01	GGAAGAAGTGGAGGCGCGCTCGG
56523-56542	4:01:01	GGCCAAGTGGCGCGAGGCGG
56864-56888	5:02:01	CCGCCGCGGCGCCCAAGCCGGGCCC
56901-56930	5:02:01	
56923-56977	10:07:02	
57020-57040	4:01:01	CCTACGACCACATCCAGGACC
57060-57082	5:02:01	CCGCCTGGCCACGTCCTGGTGCC
57162-57174	4:01:01	CCGCCGCGCCGCC
57282-57303	5:02:01	CCGCCCGCCGGTCTCCTTTGCC
57324-57346	5:02:01	GGTGGAGGGCCAGCTCGGCGAGG
57382-57397	4:01:01	CCCTGCACCGCCAACC
57654-57676	4:01:01	GGTCAAGACGGACGGCAATATGG
57708-57761	10:07:02	
57814-57838	4:01:01	GGCGGCTGGCCACGGGGCTGCTGG
57884-57903	4:01:01	CCCGCCTCCGAGCAACCCC
57969-57985	4:01:01	GGGCGAGGAAGAGGAGG
58732-58768	9:06:02	
58772-58808	7:04:01	

58782	58805	58678	59604	CDS product capsid scaffold protein
58815	58838	58678	59604	CDS product capsid scaffold protein
58868	58887	58678	59604	CDS product capsid scaffold protein
58876	58914	58678	59604	CDS product capsid scaffold protein
GGCGCCTGGGCCGGTGCAGGGTCGGCACTTGGGCCGGG				
58910	58927	58678	59604	CDS product capsid scaffold protein
58998	59020	58678	59604	CDS product capsid scaffold protein
59052	59074	58678	59604	CDS product capsid scaffold protein
59089	59141	58678	59604	CDS product capsid scaffold protein
GGTGGCGGGTGGCGCGCGGAGGAGAGTGGTGGTGAGGCGGCAGCTCGGCTGG				
59179	59195	58678	59604	CDS product capsid scaffold protein
59207	59232	58678	59604	CDS product capsid scaffold protein
59229	59253	58678	59604	CDS product capsid scaffold protein
59254	59279	58678	59604	CDS product capsid scaffold protein
59297	59323	58678	59604	CDS product capsid scaffold protein
59368	59392	58678	59604	CDS product capsid scaffold protein
59386	59406	58678	59604	CDS product capsid scaffold protein
59407	59447	58678	59604	CDS product capsid scaffold protein
GGCATCGGGGGCGGAGCGGCGGCGGCAGCGGCGGCGGCCGG				
59458	59479	58678	59604	CDS product capsid scaffold protein
59604	59652	58678	60543	CDS product capsid maturation protease
GGCAGGCGGTGGGGGCGGCGGGGCGGTGCCGGCGGAAGCTCTGGCTGG				
59906	59935	58678	60543	CDS product capsid maturation protease

58782-58805	4:01:01	GGCCACCCCGGGCTCCTCCGGCGG
58815-58838	5:02:01	GGCGGCGGCCGCGACGGTCGCTGG
58868-58887	4:01:01	CCTGCGCCGGCGCCTGGGCC
58876-58914	7:04:01	
58910-58927	4:01:01	CCGGGCCCCGACCTACCC
58998-59020	4:01:01	GGCAGGACCGTAGGGGTAGCCGG
59052-59074	5:02:01	GGACACGGCGGAGCGAGCTTGG
59089-59141	13:10:03	
59179-59195	5:02:01	CCGCCGCCGCTCCGGCC
59207-59232	4:01:01	CCCAGTTGTACCGGCGCCGCTTGCC
59229-59253	7:04:01	GGCCAGGGGGCGGCGGTCCAGGGGG
59254-59279	5:02:01	CCGTCGTAGCCCGAGCCGTCCGCGCC
59297-59323	5:02:01	GGCCGTGCGCGATGGCGCCGCCAGGG
59368-59392	5:02:01	GGGTGCCAGGGCGGCGCCGCGCGG
59386-59406	4:01:01	CCGGCGGCGCCGTACCAGCCC
59407-59447	11:08:02	
59458-59479	6:03:01	GGAGCCGGCGGAGGCGGCGCGG
59604-59652	13:10:03	
59906-59935	5:02:01	

GGGGCACCGGCCAGGCGCGTCGCCGAGGG					
59958	59971	58678	60543	CDS product capsid maturation protease	59958-59971 4:01:01 GGCGAGGAGGGCGG
60355	60374	58678	60543	CDS product capsid maturation protease	60355-60374 5:02:01 GGCAGCGGGCGGCGGGCGG
60780	60793	60602	62398	CDS product DNA packaging tegument protein UL25	60780-60793 4:01:01 CCGCCACGACCTCC
60799	60823	60602	62398	CDS product DNA packaging tegument protein UL25	60799-60823 6:03:01
GGGCGCGGGCGGGCGCGGTGGCGG					
61052	61083	60602	62398	CDS product DNA packaging tegument protein UL25	61052-61083 5:02:01
CCCACGGCGCGTCGAGGCCGCCATCGGCGCC					
61107	61128	60602	62398	CDS product DNA packaging tegument protein UL25	61107-61128 4:01:01
CCGCCCCGGGCACCAGCGTGCC					
61182	61205	60602	62398	CDS product DNA packaging tegument protein UL25	61182-61205 5:02:01
GGCGGCGCACCAGGAGCAAGGCGG					
61239	61258	60602	62398	CDS product DNA packaging tegument protein UL25	61239-61258 4:01:01
GGTCCTCGGCGAGGAAAAGG					
61347	61368	60602	62398	CDS product DNA packaging tegument protein UL25	61347-61368 5:02:01
CCGCGCCGCCCGCTAGCGCGCC					
61448	61462	60602	62398	CDS product DNA packaging tegument protein UL25	61448-61462 4:01:01 CCCGCGCCGCCGCC
61540	61570	60602	62398	CDS product DNA packaging tegument protein UL25	61540-61570 5:02:01
GGCGCGGGCCAGGGCGTCCAGGTACGCCGGG					
61618	61639	60602	62398	CDS product DNA packaging tegument protein UL25	61618-61639 4:01:01
GGCAACGGCACGGTGCGCGAGG					
61716	61732	60602	62398	CDS product DNA packaging tegument protein UL25	61716-61732 5:02:01
CCGCCACCGCGGCCGCC					

61844	61860	60602	62398	CDS product DNA packaging tegument protein UL25	61844-61860	5:02:01
CCCGCCGACCCCCGCC						
61890	61907	60602	62398	CDS product DNA packaging tegument protein UL25	61890-61907	5:02:01
GGTCGGCGGCCAGGGTGG						
61976	61999	60602	62398	CDS product DNA packaging tegument protein UL25	61976-61999	7:04:01
CCCGCGCCGCGCCCCCTCTCC						
62008	62027	60602	62398	CDS product DNA packaging tegument protein UL25	62008-62027	4:01:01
GGCGGCGCGGCCCGCGCGGG						
62018	62083	60602	62398	CDS product DNA packaging tegument protein UL25	62018-62083	15:12:03
CCCGCGGGGCGGACTCCGCCCGCGTCCGCCTCTCCGCCGCGCGCCCTCTCCAGGTCC						
62100	62116	60602	62398	CDS product DNA packaging tegument protein UL25	62100-62116	5:02:01
CCTCCGCCACCCGGGCC						
62181	62213	60602	62398	CDS product DNA packaging tegument protein UL25	62181-62213	6:03:01
CCGCGCCGCTGCCGCGCCTGGTTCCGCGCCC						
62386	62412	62380	63261	CDS product nuclear protein UL24	62386-62412	5:02:01
CCCGAGCGCCATGGCCCCGATGCCGCC						
62434	62454	62380	63261	CDS product nuclear protein UL24	62434-62454	4:01:01
CCCAGGCACGCCGCGCCGCC						
62488	62532	62380	63261	CDS product nuclear protein UL24	62488-62532	8:05:02
CCCGCGTGCTGCTGCCGCCACCGGGCGGCCGCTCTCCCGGCC						
62539	62575	62380	63261	CDS product nuclear protein UL24	62539-62575	8:05:02
GGGCCGGGGTCGCCGCGGGCGGCCGCGGGTGGCGG						
62576	62601	62380	63261	CDS product nuclear protein UL24	62576-62601	5:02:01
CCACAGCCGCCCTTTTGCCCGTAGCC						
62616	62635	62380	63261	CDS product nuclear protein UL24	62616-62635	4:01:01
CCCCTTCTGCCGCGCGGCC						
62830	62863	62380	63261	CDS product nuclear protein UL24	62830-62863	6:03:01

GGCGCTAGGACCACCGGTCTGGGCCCGGGGGG					
62993	63019	62380	63261	CDS product nuclear protein UL24	62993-63019 5:02:01 CCCGGGCGTGCCTGCCTCCGCGACCC
63101	63123	62380	63261	CDS product nuclear protein UL24	63101-63123 4:01:01 CCTCCGGGCGCCAAACTTGCCC
63203	63231	62380	63261	CDS product nuclear protein UL24	63203-63231 5:02:01
GGCTGTGGCACCGGATCCCGCGCGCAGG					
63303	63323	63260	64339	CDS product thymidine kinase	63303-63323 4:01:01 GGACGGCGCGCACGGGTGGG
63493	63508	63260	64339	CDS product thymidine kinase	63493-63508 4:01:01 GGCGCCGGCGGGCCGG
63525	63541	63260	64339	CDS product thymidine kinase	63525-63541 4:01:01 GGACGGCGCGGCCCTGG
63613	63629	63260	64339	CDS product thymidine kinase	63613-63629 4:01:01 CCGCCTGGGCCGGCGCC
63619	63635	63260	64339	CDS product thymidine kinase	63619-63635 4:01:01 GGGCCGGCGCCGGGCGG
63657	63709	63260	64339	CDS product thymidine kinase	63657-63709 9:06:02
CCGCCACCCCGTGGCCGCGTGCCTCTGCTACCCCTTCGCCGCTACTGCCTCC					
63746	63778	63260	64339	CDS product thymidine kinase	63746-63778 7:04:01
CCGCCATGCCCCGGAAGCGCCCGGGGCAACC					
63791	63804	63260	64339	CDS product thymidine kinase	63791-63804 4:01:01 CCCTCCCCCGGCC
63822	63842	63260	64339	CDS product thymidine kinase	63822-63842 5:02:01 GGCGGCGGGGCCAGGCCCGG
63924	63967	63260	64339	CDS product thymidine kinase	63924-63967 8:05:02
GGGGGGCGCATGGCGCGACGGCTGGGACGCGCTGGAGTGGGCGG					
64083	64097	63260	64339	CDS product thymidine kinase	64083-64097 4:01:01 GGGCGGCGGGACGGG
64118	64139	63260	64339	CDS product thymidine kinase	64118-64139 4:01:01 GGGCGCTGGACGCCCTGGCCGG
64130	64153	63260	64339	CDS product thymidine kinase	64130-64153 6:03:01 CCCTGGCCGGCCGCTCGCCGCCC
64245	64259	63260	64339	CDS product thymidine kinase	64245-64259 4:01:01 GGACGGGCGGGCGG
64302	64331	63260	64339	CDS product thymidine kinase	64302-64331 7:04:01 GGCGGGGAGGCCACGGCGGGCCCTAGGGG

64506	64529	64455	66983	CDS product envelope glycoprotein H
64532	64545	64455	66983	CDS product envelope glycoprotein H
64590	64616	64455	66983	CDS product envelope glycoprotein H
64632	64650	64455	66983	CDS product envelope glycoprotein H
64900	64919	64455	66983	CDS product envelope glycoprotein H
64962	64983	64455	66983	CDS product envelope glycoprotein H
65002	65015	64455	66983	CDS product envelope glycoprotein H
65182	65205	64455	66983	CDS product envelope glycoprotein H
65318	65343	64455	66983	CDS product envelope glycoprotein H
65366	65387	64455	66983	CDS product envelope glycoprotein H
65508	65564	64455	66983	CDS product envelope glycoprotein H

CCGCGCGCCGCGGACCGAGCGCCGGCCCCGCGCCCAACGCTGCCTACCACGCGTACC

65565	65583	64455	66983	CDS product envelope glycoprotein H
65608	65625	64455	66983	CDS product envelope glycoprotein H
65889	65915	64455	66983	CDS product envelope glycoprotein H
66069	66091	64455	66983	CDS product envelope glycoprotein H
66085	66110	64455	66983	CDS product envelope glycoprotein H
66125	66150	64455	66983	CDS product envelope glycoprotein H
66252	66278	64455	66983	CDS product envelope glycoprotein H
66284	66305	64455	66983	CDS product envelope glycoprotein H
66313	66356	64455	66983	CDS product envelope glycoprotein H

GGCGGCGCTCGGCATGCTGGGCCGGGAGGCCTCTTCGGCCCGG

66401	66417	64455	66983	CDS product envelope glycoprotein H
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64506-64529	6:03:01	CCGCGGGCGCCCCCGCCGCCGCC
64532-64545	4:01:01	GGCGGCGCGGGGGG
64590-64616	6:03:01	GGGAAATGGTGGTCGAGCCGGGCCGG
64632-64650	4:01:01	CCATCCGCTGCCTCGGGCC
64900-64919	5:02:01	CCTGGTGCCGAGCCGCCCCC
64962-64983	5:02:01	CCGCGCGCCCGCCGCCGCCCC
65002-65015	4:01:01	GGCGGGCGGGTGG
65182-65205	6:03:01	GGCTCGGCTGGCGGTGGGGCTCGG
65318-65343	6:03:01	CCGCCACCCGGGCCCGCGCCGGTCC
65366-65387	4:01:01	GGCTACGGGAACCTCGCGGTGG
65508-65564	9:06:02	

65565-65583	4:01:01	GGGTCGCGCGCGGCTGGG
65608-65625	4:01:01	GGGGGCGCTCGCGGACGG
65889-65915	5:02:01	GGCTGCTGGCCACGGCGTGGTGTCGG
66069-66091	4:01:01	CCGCCGGGCACGCCACGGCGGCC
66085-66110	6:03:01	GGCGGCCGCGCTGGACCTGGAGGAGG
66125-66150	6:03:01	GGCGGCGCGCCGGGGGGCGACGCGGG
66252-66278	5:02:01	GGGCCGCGCTGGACGCTGGCTGGAGG
66284-66305	5:02:01	CCCGCGCCCGCGCGCCGAACC
66313-66356	8:05:02	

66401-66417	4:01:01	GGCGGGTGGGGCGCGGG
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66568	66587	64455	66983	CDS product envelope glycoprotein H
66592	66612	64455	66983	CDS product envelope glycoprotein H
66870	66900	64455	66983	CDS product envelope glycoprotein H
GGGCGTCGGTAGGCGGGGCGCTGGTCGCGGG				
67145	67179	67133	68857	CDS product tegument protein UL21
CCGGCTCCAGCTTCCCCCTTCTCCCTCCCCTTCGCC				
67226	67244	67133	68857	CDS product tegument protein UL21
67376	67395	67133	68857	CDS product tegument protein UL21
67580	67612	67133	68857	CDS product tegument protein UL21
CCGCCCGCGTCTCCGCCGGCGCCGCTTTTCC				
67701	67720	67133	68857	CDS product tegument protein UL21
67728	67760	67133	68857	CDS product tegument protein UL21
GGGGCGCGCGCGCGGTGCGGATAATTGGCGG				
67883	67911	67133	68857	CDS product tegument protein UL21
CCGACAAAGCCGCGCGTCCGCGCGGCC				
67920	67951	67133	68857	CDS product tegument protein UL21
CCGTGCGCGCGGCCACCAAGTCCCCGCGCGCC				
68071	68095	67133	68857	CDS product tegument protein UL21
68217	68247	67133	68857	CDS product tegument protein UL21
CCCCTTCTCCGGCGCGCGCCGAGCCCGCC				
68281	68304	67133	68857	CDS product tegument protein UL21
68526	68550	67133	68857	CDS product tegument protein UL21
68727	68741	67133	68857	CDS product tegument protein UL21

66568-66587	5:02:01	GGCCAGCGGCGCGGTGGAGG
66592-66612	4:01:01	CCGCCTTGCGGTCCCCGCCCC
66870-66900	6:03:01	
67145-67179	6:03:01	
67226-67244	5:02:01	CCGGCCGCCCAAGCCGCC
67376-67395	4:01:01	CCAGCGCGGCGAGCCCCGCC
67580-67612	8:05:02	
67701-67720	4:01:01	CCGCGTCCGCGACCGTGCCC
67728-67760	7:04:01	
67883-67911	4:01:01	
67920-67951	6:03:01	
68071-68095	4:01:01	GGCCCAGGCATTGTAGGTCCGCGGG
68217-68247	6:03:01	
68281-68304	5:02:01	GGGGGCGCACGGGCCGCGCGGGG
68526-68550	5:02:01	CCGCGCCCCGCGGCCGGGGCCCCGCC
68727-68741	4:01:01	CCGCCTCCCCGCCCC

69033	69050	68969	69664	CDS product envelope protein UL20	69033-69050	5:02:01	GGAAGAGGGGCGGCCGG
69060	69088	68969	69664	CDS product envelope protein UL20	69060-69088	5:02:01	
GGGAGACAGCGGCTCGGACGACGAGGAGG							
69117	69136	68969	69664	CDS product envelope protein UL20	69117-69136	4:01:01	GGCGTACGGGGCGACGTGG
69195	69217	68969	69664	CDS product envelope protein UL20	69195-69217	4:01:01	GGCGTACGTGGTCTTTGGCGCGG
69335	69353	68969	69664	CDS product envelope protein UL20	69335-69353	5:02:01	GGCTGGCGGCGGCCGCGGG
69366	69384	68969	69664	CDS product envelope protein UL20	69366-69384	4:01:01	GGGCGTGCGGGCGGACCGG
69394	69487	68969	69664	CDS product envelope protein UL20	69394-69487	16:13:04	
GGGCGCGGGCCTCGGGCGCTGTGGCGGCGTGGTGTGGCGCGCGCGGCTCTTTGCGGCGGTGGCGTGCCGGCGGCCTTTGCGGGCCCCG							
69510	69527	68969	69664	CDS product envelope protein UL20	69510-69527	6:03:01	GGCGGTGGCGGACGGCGG
69537	69549	68969	69664	CDS product envelope protein UL20	69537-69549	4:01:01	GGCGGCGGCGGGG
69558	69583	68969	69664	CDS product envelope protein UL20	69558-69583	6:03:01	GGCCGGGCTGGCGGCGTACACGGCGG
69754	69771	69737	73894	CDS product major capsid protein	69754-69771	4:01:01	CCTCCGCGCGCGCCCGCC
69777	69794	69737	73894	CDS product major capsid protein	69777-69794	4:01:01	GGGCGGGCTGGTCTCCGG
69945	69964	69737	73894	CDS product major capsid protein	69945-69964	4:01:01	GGAGCTCGGGCTCTCGGTGG
70057	70077	69737	73894	CDS product major capsid protein	70057-70077	4:01:01	CCACATCCGGTGGACCAGCCC
70482	70516	69737	73894	CDS product major capsid protein	70482-70516	6:03:01	
GGACCTCGTGGGCTGCACGGCCGCGTCGGTGGCGG							
70546	70583	69737	73894	CDS product major capsid protein	70546-70583	7:04:01	
GGGCGCCCGGTGGATGGCGTGCTGGTGACGACGGCGGG							
70595	70636	69737	73894	CDS product major capsid protein	70595-70636	8:05:02	
GGCTGCTGGGCGCGTGCTGGCGCTGGCCGACTCGGAGGCGG							
70746	70783	69737	73894	CDS product major capsid protein	70746-70783	7:04:01	

GGGGCTGGAGGGGACCGCGGGCCCGGGCTGGCCGTGG					
70821	70848	69737	73894	CDS product major capsid protein	70821-70848 6:03:01 GGCGGACCTGGTGGCCGTGGGGACCGG
71002	71024	69737	73894	CDS product major capsid protein	71002-71024 5:02:01 CCGCCGCCCCGGGCACCCCGACCC
71130	71190	69737	73894	CDS product major capsid protein	71130-71190 12:09:03
GGACGTGGACCCGGTGCTGGCGGCGCTCGGCCGGCGGCCAGAGGCGAGAGGCGGAGTGG					
71221	71250	69737	73894	CDS product major capsid protein	71221-71250 5:02:01
GGCGAGCAGGAGCTCGCGGACCAGGTGCGG					
71322	71342	69737	73894	CDS product major capsid protein	71322-71342 4:01:01 GGAACAGATGGTGGCGCCCGG
71413	71432	69737	73894	CDS product major capsid protein	71413-71432 5:02:01 CCAGGGCCACCCAACCCACC
71562	71585	69737	73894	CDS product major capsid protein	71562-71585 6:03:01 GGCAACGGTGGCGGCGGTGCGCGG
71793	71824	69737	73894	CDS product major capsid protein	71793-71824 5:02:01
GGACTGCACGGCGGTCTACAAGGACCTGCTGG					
71928	71945	69737	73894	CDS product major capsid protein	71928-71945 4:01:01 CCCGGTGCTTCCGCCGCC
71984	72001	69737	73894	CDS product major capsid protein	71984-72001 4:01:01 GGCGGACCCGGCGCGCGG
72112	72136	69737	73894	CDS product major capsid protein	72112-72136 5:02:01 GGCGGCGGCCCCGGGGCGTACCCGG
72258	72280	69737	73894	CDS product major capsid protein	72258-72280 4:01:01 GGTGCAGTCGGTCGTGGTGCCGG
72301	72363	69737	73894	CDS product major capsid protein	72301-72363 10:07:02
CCGCCCCGCGGGCCCCGAGCACCCGCGCCACCCGCTGCACCCGACGAACCTGGTGGCCAACCTCC					
72393	72406	69737	73894	CDS product major capsid protein	72393-72406 4:01:01 GGCGGTGGACGCGG
72431	72456	69737	73894	CDS product major capsid protein	72431-72456 4:01:01 CCGTGACCAACATGGCCGAGCGCACC
72459	72479	69737	73894	CDS product major capsid protein	72459-72479 6:03:01 GGTGGTGGTGGTGGACGCGGG
72635	72649	69737	73894	CDS product major capsid protein	72635-72649 4:01:01 CCTGCCCGGACCACC
72993	73011	69737	73894	CDS product major capsid protein	72993-73011 5:02:01 GGCGGTGCGCGGCGTCCGG

73041	73066	69737	73894	CDS product major capsid protein	73041-73066 5:02:01	GGACCTCGGCGTGGGCTACACGGCGG
73067	73083	69737	73894	CDS product major capsid protein	73067-73083 4:01:01	CCTACGCCGCCGCGGCC
73155	73175	69737	73894	CDS product major capsid protein	73155-73175 4:01:01	GGTGAACGGGGACGCGGACGG
73240	73259	69737	73894	CDS product major capsid protein	73240-73259 4:01:01	CCCATTATGCCCCGCGGCC
73260	73288	69737	73894	CDS product major capsid protein	73260-73288 6:03:01	
GGCGGGCACGGCGCGGGCAGGCTGCGG						
73335	73354	69737	73894	CDS product major capsid protein	73335-73354 4:01:01	CCGCTCGCCGTGCAACCCCC
73357	73375	69737	73894	CDS product major capsid protein	73357-73375 4:01:01	GGGCGCTCGGCAGGCGCGG
73422	73476	69737	73894	CDS product major capsid protein	73422-73476 10:07:02	
CCATGGCCAGGGCGACCCGGCCACCCGCACCGCGCCACCGTTAACCCGTGGGCC						
73575	73594	69737	73894	CDS product major capsid protein	73575-73594 5:02:01	GGCGGAGGTGTCGGCCAAGG
73620	73634	69737	73894	CDS product major capsid protein	73620-73634 4:01:01	GGAGGTGGGCGCGGG
73773	73788	69737	73894	CDS product major capsid protein	73773-73788 4:01:01	CCGCCTCGCCGCGCCC
73789	73829	69737	73894	CDS product major capsid protein	73789-73829 9:06:02	
GGCGGCGCGGCCGCGGGCGTCGAGGGCCGGCTGGAGGAGGG						
73845	73865	69737	73894	CDS product major capsid protein	73845-73865 4:01:01	CCTGATCCGCGACGCCTCGCC
74044	74057	73983	74933	CDS product capsid triplex subunit 2	74044-74057 4:01:01	CCTAGCCGCCCTCC
74113	74129	73983	74933	CDS product capsid triplex subunit 2	74113-74129 4:01:01	GGCGGACGTGGCGCTGG
74178	74203	73983	74933	CDS product capsid triplex subunit 2	74178-74203 5:02:01	
CCGCGTACCGCTGCCGGTTCCCGGCC						
74368	74384	73983	74933	CDS product capsid triplex subunit 2	74368-74384 4:01:01	GGCCTCGGCGGGCGCGG
74431	74480	73983	74933	CDS product capsid triplex subunit 2	74431-74480 9:06:02	
GGTGGCGCGCGTGTTGGCGCGCGGTAGAGGCGCTGGGGGACCGCGCGG						

74665	74684	73983	74933	CDS product capsid triplex subunit 2	74665-74684 4:01:01	GGGCCTGCAGGACGGCGTGG
74740	74757	73983	74933	CDS product capsid triplex subunit 2	74740-74757 4:01:01	CCTGGAGCCGGCCGAGCC
74760	74776	73983	74933	CDS product capsid triplex subunit 2	74760-74776 5:02:01	GGCAGGACGGCGGCCGG
74792	74809	73983	74933	CDS product capsid triplex subunit 2	74792-74809 4:01:01	GGGGCGCTGGCGGCCTGG
74818	74844	73983	74933	CDS product capsid triplex subunit 2	74818-74844 5:02:01	
GGCGACCCGGCTGGGAGACGGGTCGG						
75086	75133	75077	80655	CDS product DNA packaging terminase subunit 1	75086-75133 10:07:02	
GGCGGGCGGGGGCCAGCGGCAGAAGGCGCCGTCGGTGGGCGGGAGG						
75197	75225	75077	80655	CDS product DNA packaging terminase subunit 1	75197-75225 5:02:01	
CCCAGAAGGCCCGGGCCCCGCCGGGGCC						
75205	75244	75077	80655	CDS product DNA packaging terminase subunit 1	75205-75244 7:04:01	
GGCCCCGGCCCCCGGGGGCCGGGTGCTCTCGGTTAGG						
75288	75320	75077	80655	CDS product DNA packaging terminase subunit 1	75288-75320 6:03:01	
GGCGCACGGTCAGCGAGGCCAGGTCCTGGGAGG						
75348	75368	75077	80655	CDS product DNA packaging terminase subunit 1	75348-75368 4:01:01	
GGATGAAGTGGTCAAAGGCGG						
75418	75433	75077	80655	CDS product DNA packaging terminase subunit 1	75418-75433 4:01:01	GGGCGGGCGGCAGTGG
75448	75476	75077	80655	CDS product DNA packaging terminase subunit 1	75448-75476 6:03:01	
GGCGGGCATGGGCACGGCACCGGACGCGG						
75561	75587	75077	80655	CDS product DNA packaging terminase subunit 1	75561-75587 5:02:01	
GGCCGTCGAGGCGGCGCCGGTGCACGG						
75672	75709	75077	80655	CDS product DNA packaging terminase subunit 1	75672-75709 7:04:01	
CCAGGCCAGCACCAGCCAGCTGCCGCGATGCCGCCCC						

75715	75740	75077	80655	CDS product DNA packaging terminase subunit 1	75715-75740 5:02:01
GGCGATGCCGGAGCCGGAGGCGCGGG					
75778	75808	75077	80655	CDS product DNA packaging terminase subunit 1	75778-75808 6:03:01
CCGCTCGGGCCACGGGCCGCGGGCCGCC					
75849	75877	75077	80655	CDS product DNA packaging terminase subunit 1	75849-75877 5:02:01
GGGTGAACACGGCCGCGGGCTCGGCGCGG					
75885	75897	75077	80655	CDS product DNA packaging terminase subunit 1	75885-75897 4:01:01 CCTCGCCGCCGCC
75922	75941	75077	80655	CDS product DNA packaging terminase subunit 1	75922-75941 5:02:01
GGGCAGGAAGGTCTCGGCGG					
76013	76027	75077	80655	CDS product DNA packaging terminase subunit 1	76013-76027 4:01:01 CCGCCGTGCGCCGCC
76117	76139	75077	80655	CDS product DNA packaging terminase subunit 1	76117-76139 4:01:01
GGCCTTGCCGGTGTGGTCGAGG					
76191	76207	75077	80655	CDS product DNA packaging terminase subunit 1	76191-76207 4:01:01
GGACGGCCTCGGGGCGG					
76307	76330	75077	80655	CDS product DNA packaging terminase subunit 1	76307-76330 5:02:01
CCGACCTCGTCCCGACCCGACGCC					
76386	76406	76332	78437	CDS product DNA packaging tegument protein UL17	76386-76406 4:01:01
CCGCGGGCACCGTCGTCCACC					
76431	76452	76332	78437	CDS product DNA packaging tegument protein UL17	76431-76452 4:01:01
GGGCCGCCGGGGCGGACCCCGG					
76465	76499	76332	78437	CDS product DNA packaging tegument protein UL17	76465-76499 9:06:02
GGCCTCGGGGGGGCGCGGGGCGCGGGGGG					
76637	76662	76332	78437	CDS product DNA packaging tegument protein UL17	76637-76662 5:02:01

CCCACGCAGCCGGCGGCCCGCCCCC		
76713 76732 76332 78437 CDS product DNA packaging tegument protein UL17	76713-76732 4:01:01	
CCCTGCCCCGTCGCCCTGCCC		
76774 76800 76332 78437 CDS product DNA packaging tegument protein UL17	76774-76800 5:02:01	
GGCGCTGCGGCTGGAAATGGCCGACGG		
76863 76886 76332 78437 CDS product DNA packaging tegument protein UL17	76863-76886 5:02:01	
CCGACGTCCCGCGCCTGGCCGCC		
76918 76954 76332 78437 CDS product DNA packaging tegument protein UL17	76918-76954 9:06:02	
CCATGCCGGCCTGCCGGCCGCCCGTCGCCGGGCC		
76994 77008 76332 78437 CDS product DNA packaging tegument protein UL17	76994-77008 4:01:01	CCGCCGCTGCCGCC
77020 77041 76332 78437 CDS product DNA packaging tegument protein UL17	77020-77041 4:01:01	
CCGCCCGAGCGCCTGCTGGCC		
77059 77078 76332 78437 CDS product DNA packaging tegument protein UL17	77059-77078 4:01:01	
CCCCGCCGCGGTGCCCCGC		
77223 77275 76332 78437 CDS product DNA packaging tegument protein UL17	77223-77275 13:10:03	
CCGCCCGCCTGCGCCGCCACCGCGCCGGTCCTGCCCTCCCGACGCCGCGACC		
77293 77346 76332 78437 CDS product DNA packaging tegument protein UL17	77293-77346 9:06:02	
GGAGCCGCGGGCCCGGGCCCGGACTTGCGCGGTGCGCGGGCGCTGGCGGG		
77297 77314 76332 78437 CDS product DNA packaging tegument protein UL17	77297-77314 4:01:01	
CCGCGGGCCGCCGGGCC		
77536 77578 76332 78437 CDS product DNA packaging tegument protein UL17	77536-77578 8:05:02	
GGCGGGCTGGGGCGGGCGCCGGGCGCCCGGCCCGCCGG		
77554 77581 76332 78437 CDS product DNA packaging tegument protein UL17	77554-77581 6:03:01	

CCGGGCGCGCCGCGCCGCGCCGCGCCGCGCC											
77692	77715	76332	78437	CDS	product	DNA	packaging	tegument	protein UL17	77692-77715	5:02:01
GGCGGCGCGCTGGGCGAGGACGG											
77823	77849	76332	78437	CDS	product	DNA	packaging	tegument	protein UL17	77823-77849	5:02:01
CCCGCCCGGACCTACCCCAGCGTTCC											
77876	77899	76332	78437	CDS	product	DNA	packaging	tegument	protein UL17	77876-77899	5:02:01
GGATGTCTGGAGGACGTGGCGCGG											
77938	77957	76332	78437	CDS	product	DNA	packaging	tegument	protein UL17	77938-77957	4:01:01
GGGGGCGCTCTCGGCCCGGG											
77983	77993	76332	78437	CDS	product	DNA	packaging	tegument	protein UL17	77983-77993	4:01:01
78013	78036	76332	78437	CDS	product	DNA	packaging	tegument	protein UL17	78013-78036	4:01:01
CCCCGGCGGCCGGGGCGTCTGCC											
78107	78125	76332	78437	CDS	product	DNA	packaging	tegument	protein UL17	78107-78125	4:01:01
GGCGGGGAGGTCATAAAGG											
78145	78180	76332	78437	CDS	product	DNA	packaging	tegument	protein UL17	78145-78180	7:04:01
GGCCACGACGGCGCAGGAGTCCGGGCGGCGCCGGG											
78324	78350	76332	78437	CDS	product	DNA	packaging	tegument	protein UL17	78324-78350	4:01:01
CCCTGGAGGCCGACGTCGCCGCGCACC											
78376	78396	76332	78437	CDS	product	DNA	packaging	tegument	protein UL17	78376-78396	5:02:01
GGCGGTGCTCGGGCGGCTGGG											
78397	78432	76332	78437	CDS	product	DNA	packaging	tegument	protein UL17	78397-78432	8:05:02
CCGCCCCCTCCCCGCGCCCCAGGCGCGCCGCCCC											
78826	78859	78471	79490	CDS	product	tegument	protein UL16			78826-78859	7:04:01

CCCCGCGCCGGCCGACCTCCCCGACCCGAGCGCC					
78955	78973	78471	79490	CDS product tegument protein UL16	78955-78973 4:01:01 GGCGCCGGGCGTGTGGTGG
79061	79078	78471	79490	CDS product tegument protein UL16	79061-79078 4:01:01 GGGGGCGTGCTCGGGCGG
79174	79193	78471	79490	CDS product tegument protein UL16	79174-79193 4:01:01 CCCGTGCGCCGCGCCGTGCC
79343	79390	78471	79490	CDS product tegument protein UL16	79343-79390 8:05:02
GGCGTCGGGCGCGCGGCGAAGCGGTGCCGGTGAACGGCGCCGGCTGG					
79729	79764	75077	80655	CDS product DNA packaging terminase subunit 1	79729-79764 7:04:01
CCGCCGAACCACTGCCGGAGCCGCGCCACGATCTCC					
79773	79791	75077	80655	CDS product DNA packaging terminase subunit 1	79773-79791 4:01:01
GGGCTCGGTGGCTTTGCGG					
79873	79912	75077	80655	CDS product DNA packaging terminase subunit 1	79873-79912 7:04:01
CCGTGCCGCCGTGGTACCAGGAACACCGTGGCCCGCTGCC					
80106	80122	75077	80655	CDS product DNA packaging terminase subunit 1	80106-80122 5:02:01
GGCGCGGGGGGGGTCGG					
80158	80176	75077	80655	CDS product DNA packaging terminase subunit 1	80158-80176 4:01:01
CCCACCAGCCGGCTGAACC					
80399	80416	75077	80655	CDS product DNA packaging terminase subunit 1	80399-80416 4:01:01
GGCGAGAGCCGTGGCGG					
80477	80500	75077	80655	CDS product DNA packaging terminase subunit 1	80477-80500 5:02:01
GGTGGCGCTTGGGGCCGCAACGG					
80531	80577	75077	80655	CDS product DNA packaging terminase subunit 1	80531-80577 9:06:02
CCTCCCCGCGGGCGCCGCCGCCGCTCGGGCCGCGCTCCCCGTTCC					
80719	80755	80718	81386	CDS product tegument protein UL14	80719-80755 6:03:01

GGCGACGGCGGCTCGCGGGAGACCCGGCGCCGGGG					
80775	80792	80718	81386	CDS product tegument protein UL14	80775-80792 5:02:01 GGCGGCGGCTGCGGCTGG
80852	80873	80718	81386	CDS product tegument protein UL14	80852-80873 4:01:01 GGCGGACCGGGACGACCCGG
80920	80942	80718	81386	CDS product tegument protein UL14	80920-80942 5:02:01 GGGGGGCGAGATCCGGGCGGCGG
80994	81025	80718	81386	CDS product tegument protein UL14	80994-81025 6:03:01
CCGCCCAAGCGGCCGTGGCCGCCGTGCTGGCC					
81091	81111	80718	81386	CDS product tegument protein UL14	81091-81111 4:01:01 GGACCAGGAGGAGCGCATGGG
81124	81170	80718	81386	CDS product tegument protein UL14	81124-81170 9:06:02
GGACTGCGGGGCGACGTGGGCGTGGGCGGGCCTGGCTGGACGGGG					
81263	81278	80718	81386	CDS product tegument protein UL14	81263-81278 4:01:01 GGAGGGCTCGGCGCGG
81305	81337	80718	81386	CDS product tegument protein UL14	81305-81337 8:05:02
GGCTCGGCGGCAGCGCGGCGGGCCAGGCTGGG					
81365	81395	81301	82779	CDS product tegument serine/threonine protein kinase	81365-81395 7:04:01
CCGCCCCACAGACCCCCTGACCCCCGCGCC					
81408	81425	81301	82779	CDS product tegument serine/threonine protein kinase	81408-81425 4:01:01
CCCCCGCTCCGGCGCGCC					
81463	81492	81301	82779	CDS product tegument serine/threonine protein kinase	81463-81492 7:04:01
CCGCCCTCGCGCCTCGGGCCCGGATCC					
81501	81529	81301	82779	CDS product tegument serine/threonine protein kinase	81501-81529 6:03:01
CCGCGCGCGATCCGCCCCGCGAGCCGCC					
81660	81677	81301	82779	CDS product tegument serine/threonine protein kinase	81660-81677 4:01:01
GGGGCCGGCGGCTACGGG					
81697	81719	81301	82779	CDS product tegument serine/threonine protein kinase	81697-81719 4:01:01

CCGCCGGCGTGGCCGTAAAGACC					
81808	81826	81301	82779	CDS product tegument serine/threonine protein kinase	81808-81826 4:01:01
CCGACGCCATCATCCGGCC					
81878	81908	81301	82779	CDS product tegument serine/threonine protein kinase	81878-81908 7:04:01
GGACCTGGTGGCCTACGCGGAGGCGGCGGGG					
81913	81929	81301	82779	CDS product tegument serine/threonine protein kinase	81913-81929 4:01:01
CCGTCCTGTCGCCCCGCC					
82205	82234	81301	82779	CDS product tegument serine/threonine protein kinase	82205-82234 6:03:01
CCTGCCGCCCACGCCCGGATGCCAGACCC					
82280	82305	81301	82779	CDS product tegument serine/threonine protein kinase	82280-82305 4:01:01
CCTCGACTTCCTTAACCGGCACGGCC					
82316	82338	81301	82779	CDS product tegument serine/threonine protein kinase	82316-82338 4:01:01
CCCCGAGCCGCTGCCCCGCGGACC					
82476	82505	81301	82779	CDS product tegument serine/threonine protein kinase	82476-82505 5:02:01
GGGCTGGTCATCGGCATTCTGGCGCACCGG					
82580	82608	81301	82779	CDS product tegument serine/threonine protein kinase	82580-82608 5:02:01
GGCCGTGCGGGCGGCCATCGGCAACGTGG					
82613	82637	81301	82779	CDS product tegument serine/threonine protein kinase	82613-82637 4:01:01
CCGCGCGCCTTCGACCGCACTACC					
82887	82913	82776	84239	CDS product deoxyribonuclease	82887-82913 6:03:01 GGCCGAGGCGGCGGGCGAAGGCGACGG
82990	83008	82776	84239	CDS product deoxyribonuclease	82990-83008 4:01:01 GGCGCGGCGCGCCCCGGGG
83028	83050	82776	84239	CDS product deoxyribonuclease	83028-83050 5:02:01 CCGCGACCCGCGGCCAGGCCGCC
83061	83125	82776	84239	CDS product deoxyribonuclease	83061-83125 10:07:02

GGTGGCTGCTCCGGCGGAGCCTGGCCACGGCCTCGTCGGTCCGCTGGGGCGCCGCCGGCCCGCGG

83071	83092	82776	84239	CDS product deoxyribonuclease
83112	83127	82776	84239	CDS product deoxyribonuclease
83236	83260	82776	84239	CDS product deoxyribonuclease
83264	83284	82776	84239	CDS product deoxyribonuclease
83326	83339	82776	84239	CDS product deoxyribonuclease
83350	83369	82776	84239	CDS product deoxyribonuclease
83376	83397	82776	84239	CDS product deoxyribonuclease
83468	83485	82776	84239	CDS product deoxyribonuclease
83604	83629	82776	84239	CDS product deoxyribonuclease
83654	83681	82776	84239	CDS product deoxyribonuclease
83691	83730	82776	84239	CDS product deoxyribonuclease

CCGACGCCTGGGCGCCGCCCGCCTGCCGGCGCCGCACC

83938	83965	82776	84239	CDS product deoxyribonuclease
84040	84053	82776	84239	CDS product deoxyribonuclease
84171	84202	82776	84239	CDS product deoxyribonuclease
84213	84229	84191	84460	CDS product myristylated tegument protein
84291	84327	84191	84460	CDS product myristylated tegument protein

CCTCGACGACCTGCAGGCCCTGACGGCCGGGGCCGCC

84306	84349	84191	84460	CDS product myristylated tegument protein
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GGCCCTGACGGCCGGGGCCGCCGCGGGGAGGAGGGCGGCGAGG

84414	84445	84191	84460	CDS product myristylated tegument protein
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CCCCCCGTAAAACCGTACCGGCCGAGCGCC

83071-83092 4:01:01 CCGGCGGAGCCTGGCCACGGCC

83112-83127 4:01:01 CCGCCGCCCCGCGGCC

83236-83260 5:02:01 CCCGCCGCGGACCTCCCAACGCC

83264-83284 6:03:01 GGGCTGGCGGACGGCGGGGG

83326-83339 4:01:01 GGCCGGGGCGGCGG

83350-83369 5:02:01 GGCGGGGGCGGGCGAGAGG

83376-83397 4:01:01 CCTGCGCCTCCTGATCGACCC

83468-83485 4:01:01 CCGCATCCACCCAGACC

83604-83629 5:02:01 CCTTCCTGCGGTCCGTGCGCCGCC

83654-83681 4:01:01 GGCTGCCCCGCGCCGCGGAAGCGCTGG

83691-83730 9:06:02

83938-83965 4:01:01 CCTCGGGGCCACTTCCCCGAGCGGCC

84040-84053 4:01:01 GGGCCGGGGCGG

84171-84202 6:03:01 GGGCGCCGTCAAGGAGTCATGGGACAGGCGG

84213-84229 4:01:01 CCGATGCCGCCGCAACC

84291-84327 6:03:01

84306-84349 9:06:02

84414-84445 6:03:01

84544	84574	84530	85846	CDS product envelope glycoprotein M	84544-84574 9:06:02
GGGGGGTGGGAGCGGGGGGGGGCGGGG					
84585	84603	84530	85846	CDS product envelope glycoprotein M	84585-84603 4:01:01 GGGAGTGGGGGACCTCCGG
84614	84638	84530	85846	CDS product envelope glycoprotein M	84614-84638 6:03:01 GGTATGGTTGGCGGGCGGGCGGGG
84813	84827	84530	85846	CDS product envelope glycoprotein M	84813-84827 4:01:01 GGTGGTGCAGGCAGG
84853	84878	84530	85846	CDS product envelope glycoprotein M	84853-84878 4:01:01 GGCCACGGCCAGCAGGGCGACGCCGG
84875	84896	84530	85846	CDS product envelope glycoprotein M	84875-84896 4:01:01 CCGGCCAGCGCCAGCTTTACCC
84984	85008	84530	85846	CDS product envelope glycoprotein M	84984-85008 5:02:01 CCACCAGCGTTCCAAAGCCGCGCC
85120	85135	84530	85846	CDS product envelope glycoprotein M	85120-85135 4:01:01 CCCCAGCCCCGCCCCC
85179	85195	84530	85846	CDS product envelope glycoprotein M	85179-85195 4:01:01 CCAGCAGGCCGCCGGCC
85210	85246	84530	85846	CDS product envelope glycoprotein M	85210-85246 6:03:01
GGCGCGCCCGGGGCCAGCAGGCGGTGGCGCGCGG					
85285	85304	84530	85846	CDS product envelope glycoprotein M	85285-85304 4:01:01 GGCGCCGGGCAGCCCGCGG
85324	85364	84530	85846	CDS product envelope glycoprotein M	85324-85364 9:06:02
GGCGGCCGGCGGCCAGGTGCGCGAGGTAGGTGGCCGCGG					
85414	85432	84530	85846	CDS product envelope glycoprotein M	85414-85432 4:01:01 CCAGGCCGCCAGCGCGCCC
85488	85503	84530	85846	CDS product envelope glycoprotein M	85488-85503 4:01:01 CCGCCGAAAACCCCC
85582	85602	84530	85846	CDS product envelope glycoprotein M	85582-85602 4:01:01 GGAGAAGGCCGCTGTGGTCGG
85634	85669	84530	85846	CDS product envelope glycoprotein M	85634-85669 6:03:01
CCGAGCTCCCCTGCGCCAGGCGCGCCGTCGGCC					
85819	85835	84530	85846	CDS product envelope glycoprotein M	85819-85835 4:01:01 GGCGGCAGGCTGCGCGG
85849	85877	85845	88424	CDS product DNA replication origin-binding helicase	85849-85877 5:02:01
GGCAACGCCGGGGCAGCGCCGATGCGG					

85990	86005	85845	88424	CDS product DNA replication origin-binding helicase	85990-86005 4:01:01
CCGGCGCCACCCCGCC					
86130	86156	85845	88424	CDS product DNA replication origin-binding helicase	86130-86156 6:03:01
GGTTGGGCGAGGCGCTGGGGGCCACGG					
86278	86312	85845	88424	CDS product DNA replication origin-binding helicase	86278-86312 6:03:01
GGGCGCGCCTACCGCGGCTGCTGGTGCAAGTGG					
86448	86492	85845	88424	CDS product DNA replication origin-binding helicase	86448-86492 7:04:01
GGCTGTTGCGGCGGTGCCC GCGATTGTGGCGATGGACGCGACGG					
86629	86661	85845	88424	CDS product DNA replication origin-binding helicase	86629-86661 7:04:01
GGCGGCGCGCTTAAGGGGACGCCGAGGACGG					
87088	87109	85845	88424	CDS product DNA replication origin-binding helicase	87088-87109 6:03:01
GGTGGCTGAGGACGGCGGCTGG					
87376	87397	85845	88424	CDS product DNA replication origin-binding helicase	87376-87397 4:01:01
CCGACGGCCCGCGGCCGCGGCC					
87414	87432	85845	88424	CDS product DNA replication origin-binding helicase	87414-87432 4:01:01
CCGCCGGCATCCCGTCCCC					
87433	87452	85845	88424	CDS product DNA replication origin-binding helicase	87433-87452 4:01:01
GGTGTCGGCCGAGGGCCTGG					
87441	87475	85845	88424	CDS product DNA replication origin-binding helicase	87441-87475 7:04:01
CCGAGGGCCTGGCCGAGCACCCGCGCGTGGCCGCC					
87608	87626	85845	88424	CDS product DNA replication origin-binding helicase	87608-87626 5:02:01
CCCGCCGCCCGCAAAGCC					
87674	87697	85845	88424	CDS product DNA replication origin-binding helicase	87674-87697 4:01:01

CCCGTGCTACCGAGGCCGGCGCC					
87706	87733	85845	88424	CDS product DNA replication origin-binding helicase	87706-87733 5:02:01
GGCGGCTTTGGCGCCCGGGCTGCGCTGG					
87766	87804	85845	88424	CDS product DNA replication origin-binding helicase	87766-87804 7:04:01
GGCCCCGGCGCTGGGGCTGCTGCGGCGCCGCGGCGCGG					
87934	87993	85845	88424	CDS product DNA replication origin-binding helicase	87934-87993 9:06:02
GGCGGGCGTGATGGCCCGGGGCTGTGGTCGCTGTGGCCGCGGGCTTTCTGGGCGGGG					
88003	88028	85845	88424	CDS product DNA replication origin-binding helicase	88003-88028 5:02:01
GGGGCGGGGCGTGGGGCTGGGCGCGG					
88062	88084	85845	88424	CDS product DNA replication origin-binding helicase	88062-88084 4:01:01
GGGAAGAGGTGTTCTGGGGCCCCG					
88309	88342	85845	88424	CDS product DNA replication origin-binding helicase	88309-88342 6:03:01
CCCGGAGCCCGGGCCCGACGCGCCCCCGAAGCC					
88681	88697	88485	90731	CDS product helicase-primase subunit	88681-88697 4:01:01 GGCCGCGCGGCTGGAGG
88710	88724	88485	90731	CDS product helicase-primase subunit	88710-88724 5:02:01 CCGCCGCGCCCCC
88875	88911	88485	90731	CDS product helicase-primase subunit	88875-88911 7:04:01
CCGCCGAGGAGCCCCCGATGCCGCCGACGCGGCCCC					
88933	88985	88485	90731	CDS product helicase-primase subunit	88933-88985 10:07:02
GGCGCTACGGCTGGCCGTAGAGGAAGACGCGGTGCGCGCGGCGGCGGCGG					
89046	89062	88485	90731	CDS product helicase-primase subunit	89046-89062 4:01:01 CCGACCTCTCCGCGCCC
89121	89139	88485	90731	CDS product helicase-primase subunit	89121-89139 4:01:01 CCGACATCGCCCAGCCCC
89142	89165	88485	90731	CDS product helicase-primase subunit	89142-89165 5:02:01 GGAAGCGGGCCGGGCGCCTGGCGG
89277	89296	88485	90731	CDS product helicase-primase subunit	89277-89296 4:01:01 CCTTTTCGCCGATGGCCGCC

89339	89368	88485	90731	CDS product helicase-primase subunit	89339-89368 5:02:01
GGACCGGCGCAGGTCCTCGGCTTTCTGGGG					
89448	89464	88485	90731	CDS product helicase-primase subunit	89448-89464 4:01:01 CCGCCGACGCCGGCGCC
89623	89655	88485	90731	CDS product helicase-primase subunit	89623-89655 5:02:01
GGGCGGCAGCGACGGGTCAGATTGCCCCGCGG					
89727	89750	88485	90731	CDS product helicase-primase subunit	89727-89750 4:01:01 CCTTTTTTCCCACCTGTACCCC
89965	90005	88485	90731	CDS product helicase-primase subunit	89965-90005 6:03:01
GGATGGCTTTTGGGGCGCCTTCGGGGACGCGGCGCCGAGG					
90294	90316	88485	90731	CDS product helicase-primase subunit	90294-90316 4:01:01 CCGTCGCCCAGCCCGAGCGCCCC
90333	90346	88485	90731	CDS product helicase-primase subunit	90333-90346 4:01:01 CCGCCGCCGCGGCC
90469	90490	88485	90731	CDS product helicase-primase subunit	90469-90490 4:01:01 GGACGCGGACCAGGCCCCCCGG
90478	90492	88485	90731	CDS product helicase-primase subunit	90478-90492 4:01:01 CCACGGCCCCCGGCC
90505	90521	88485	90731	CDS product helicase-primase subunit	90505-90521 4:01:01 GGCGGGCCACGAGGCGG
90942	90965	90784	91683	CDS product tegument protein UL7	90942-90965 6:03:01 CCCGCCGCGCCGCGCCGCGCCGCC
91269	91321	90784	91683	CDS product tegument protein UL7	91269-91321 9:06:02
GGGGCGGCACAAGGCCAGCCGGTACGGCAGCACGGCAGCGGGCACGGTAGTGG					
91341	91360	90784	91683	CDS product tegument protein UL7	91341-91360 4:01:01 GGCGGTGAGCACGGCGAAGG
91370	91384	90784	91683	CDS product tegument protein UL7	91370-91384 4:01:01 GGAAGGCCGGCATGG
91507	91530	90784	91683	CDS product tegument protein UL7	91507-91530 4:01:01 GGCGGCCCTGCTGGGATCTCGCGG
91716	91741	91640	93706	CDS product capsid portal protein	91716-91741 5:02:01 GGCTGCGGCTGCGGCTGCGGCTGCGG
91764	91789	91640	93706	CDS product capsid portal protein	91764-91789 5:02:01 GGCTGCGGCTGCGGCTGCGGCTGCGG
91926	91948	91640	93706	CDS product capsid portal protein	91926-91948 6:03:01 CCTCTCCGACCTGCACGCCTCC
92003	92024	91640	93706	CDS product capsid portal protein	92003-92024 4:01:01 GGCGCCAGGATCAAGGAGATGG

92043	92059	91640	93706	CDS product capsid portal protein	92043-92059	4:01:01	CCGACACCTCCTGGCCC
92103	92131	91640	93706	CDS product capsid portal protein	92103-92131	5:02:01	
CCTGCTCCCACAGCCGCGAGCCGCTCC							
92227	92255	91640	93706	CDS product capsid portal protein	92227-92255	6:03:01	
CCCCAATTCCGCCGTCCGCGGGGCCCCGCC							
92265	92293	91640	93706	CDS product capsid portal protein	92265-92293	7:04:01	
CCCGGGCCGGCCGGCGGCCGCCCCCCCC							
92268	92281	91640	93706	CDS product capsid portal protein	92268-92281	4:01:01	GGGCCGGCCGGCGG
92300	92319	91640	93706	CDS product capsid portal protein	92300-92319	4:01:01	GGCGTCGGCCGCTTGGGCGG
92377	92393	91640	93706	CDS product capsid portal protein	92377-92393	4:01:01	GGCCAGGTCGCGGTTGG
92502	92541	91640	93706	CDS product capsid portal protein	92502-92541	9:06:02	
CCGCCCCCGCCCGCGCGGCCGCGCCGCGCCAAATCC							
92694	92712	91640	93706	CDS product capsid portal protein	92694-92712	4:01:01	CCGCGTCCTCGCCCTCACC
92728	92745	91640	93706	CDS product capsid portal protein	92728-92745	4:01:01	GGACGGCGCGCCCGGCGG
92770	92785	91640	93706	CDS product capsid portal protein	92770-92785	4:01:01	CCGCCCCACCAGCACC
92847	92867	91640	93706	CDS product capsid portal protein	92847-92867	4:01:01	CCAGGACCTCGCCGTGCAGCC
93063	93086	91640	93706	CDS product capsid portal protein	93063-93086	5:02:01	CCTCGCATTCGCCAGCACCCGCC
93124	93156	91640	93706	CDS product capsid portal protein	93124-93156	6:03:01	
GGGAAGCGGCCCCCGCGCCTGGACGGTGCCGG							
93153	93176	91640	93706	CDS product capsid portal protein	93153-93176	4:01:01	CCGGCACCGCGAGGCCGATGCGCC
93219	93242	91640	93706	CDS product capsid portal protein	93219-93242	4:01:01	GGGCGAAGCTGGCCGGGTGCCGG
93231	93250	91640	93706	CDS product capsid portal protein	93231-93250	4:01:01	CCGGGCTGCCGGCGCCCCC
93333	93369	91640	93706	CDS product capsid portal protein	93333-93369	7:04:01	

CCGCGAGCCGCACCACCTCTGCCTCGCCGCGCGGGCC					
93424	93442	91640	93706	CDS product capsid portal protein	93424-93442 4:01:01 CCAATCCCGCGCCACGTCC
93607	93640	91640	93706	CDS product capsid portal protein	93607-93640 5:02:01
CCGCACCCACTCGCCCGGCGGCCCCGGAGCGCCC					
93623	93643	91640	93706	CDS product capsid portal protein	93623-93643 4:01:01 GGCGGCCCCGGAGCGCCCCGG
93831	93874	93756	96272	CDS product helicase-primase helicase subunit	93831-93874 9:06:02
GGATCCGGCAGCTGGAGGCCGCGGGCTGCCGGCGGCGGCCCGG					
93892	93918	93756	96272	CDS product helicase-primase helicase subunit	93892-93918 4:01:01
CCGCGCGGCCGCGGGCGCGGAGTCCCC					
94080	94097	93756	96272	CDS product helicase-primase helicase subunit	94080-94097 5:02:01
CCGCCGCTACCACAGCC					
94185	94202	93756	96272	CDS product helicase-primase helicase subunit	94185-94202 4:01:01
CCAGCCCGCCCAGCATCC					
94260	94277	93756	96272	CDS product helicase-primase helicase subunit	94260-94277 4:01:01
GGCGGCTGCTGGGCGCGG					
94312	94330	93756	96272	CDS product helicase-primase helicase subunit	94312-94330 4:01:01
GGCGGAGCTCGCGGCGGGG					
94420	94438	93756	96272	CDS product helicase-primase helicase subunit	94420-94438 4:01:01
GGCCGGGCTGCTGGGCCGG					
94621	94645	93756	96272	CDS product helicase-primase helicase subunit	94621-94645 5:02:01
CCTCACCTGCCTTATACCAACCCC					
94888	94904	93756	96272	CDS product helicase-primase helicase subunit	94888-94904 4:01:01
CCGCCTCCACGCGCACC					

94990	95010	93756	96272	CDS product helicase-primase helicase subunit CCGCACCGCCACGGGCCAGCC	94990-95010 5:02:01
95002	95049	93756	96272	CDS product helicase-primase helicase subunit GGGCCAGCCGGGCTGGGGTGGAAAAATGGCTGCAGGCCAACTCGGG	95002-95049 8:05:02
95074	95097	93756	96272	CDS product helicase-primase helicase subunit CCGCGACCAGGACGCCCAGTCACC	95074-95097 4:01:01
95360	95378	93756	96272	CDS product helicase-primase helicase subunit CCCGGCCTGGACCCGGGCC	95360-95378 4:01:01
95363	95384	93756	96272	CDS product helicase-primase helicase subunit GGCCTGGACCCGGGCCGCGTGG	95363-95384 4:01:01
95440	95474	93756	96272	CDS product helicase-primase helicase subunit GGACGACGCGGTCGACTGGCGGGGCTGGCGGCGG	95440-95474 8:05:02
95486	95507	93756	96272	CDS product helicase-primase helicase subunit GGCTCTGAGGCCGGCGCCGGGG	95486-95507 4:01:01
95581	95600	93756	96272	CDS product helicase-primase helicase subunit CCAGCGCCCTACGTCCGCC	95581-95600 4:01:01
95762	95780	93756	96272	CDS product helicase-primase helicase subunit GGCGGGCTGGTCTCCATGG	95762-95780 4:01:01
95842	95863	93756	96272	CDS product helicase-primase helicase subunit GGAGGAGCCCGGCCGCGCCGG	95842-95863 5:02:01
95849	95869	93756	96272	CDS product helicase-primase helicase subunit CCCGGCCGGCGCCGGCTCCCC	95849-95869 4:01:01
95974	95993	93756	96272	CDS product helicase-primase helicase subunit	95974-95993 4:01:01

GGAGGCGCTGGACGACAAGG					
96042	96074	93756	96272	CDS product helicase-primase helicase subunit	96042-96074 6:03:01
CCATGACCATCGCCCGCTCCCAGGGCCTGAGCC					
96156	96183	93756	96272	CDS product helicase-primase helicase subunit	96156-96183 4:01:01
CCCATTCTCCGAATGAACCTCAACCC					
96294	96318	96293	96850	CDS product nuclear protein UL4	96294-96318 4:01:01 GCGCTCGCGGCCCCGGGCCGGG
96362	96382	96293	96850	CDS product nuclear protein UL4	96362-96382 4:01:01 CCCCTTGTGGGCCTGCCCC
96414	96448	96293	96850	CDS product nuclear protein UL4	96414-96448 8:05:02
GGGGATCGCTCGGTGTCGGTGGGCGGGGCTGG					
96739	96759	96293	96850	CDS product nuclear protein UL4	96739-96759 5:02:01 CCGGCGACGCGCCGCCCCC
96812	96834	96293	96850	CDS product nuclear protein UL4	96812-96834 4:01:01 CCCGCCCTCGGGCTCCCGCCCC
96918	96973	96914	97294	CDS product protein V57	96918-96973 12:09:03
GGAACGTGCGTAATTGGGGGGAAAGGGCGGTCGGGGCGGCGGTGGGCGGCGG					
97026	97057	96914	97294	CDS product protein V57	97026-97057 6:03:01 GGCGCGGGCCCCGGGCCTCCGCGGGCGGCAGG
97164	97183	96914	97294	CDS product protein V57	97164-97183 4:01:01 CCCCACCGCGGCGGCGCC
97201	97214	96914	97294	CDS product protein V57	97201-97214 4:01:01 GGCGCGCGGTTGG
97236	97263	96914	97294	CDS product protein V57	97236-97263 7:04:01 CCGCCACCGTGGCCACCGGGCCTCCCC
97548	97573	97297	97911	CDS product nuclear protein UL3	97548-97573 5:02:01 CCGCGCGCGCAGCCGCGCCAGGGCC
97756	97788	97297	97911	CDS product nuclear protein UL3	97756-97788 7:04:01
CCCAGACCCGCCGCTGCCAGGCCGGGCCCGGCC					
97821	97852	97297	97911	CDS product nuclear protein UL3	97821-97852 8:05:02 GGCGGGGCAGAAGCGGAAGCGCGGCGGCGG
97863	97878	97297	97911	CDS product nuclear protein UL3	97863-97878 5:02:01 CCAGCCGCGGCCGCC
98089	98114	97958	98863	CDS product uracil DNA glycosylase	98089-98114 5:02:01 CCGCTTCCCGGCCGCCCAAAGGCC

98175	98206	97958	98863	CDS product uracil DNA glycosylase	98175-98206	7:04:01
CCAGTACCGCGTGCACCAGCCGCCCCAGCCC						
98355	98373	97958	98863	CDS product uracil DNA glycosylase	98355-98373	5:02:01 GGAGGCTGGGTGGGACCGG
98692	98717	97958	98863	CDS product uracil DNA glycosylase	98692-98717	5:02:01 GGGGCGCCGCGCTTGGGCGGCGCGG
98758	98855	97958	98863	CDS product uracil DNA glycosylase	98758-98855	17:14:04
CCGAAGCCGGGGCCGAAGCCGGGGCCGAAGCCGGGGCCGAAGCCGGGGCCGAAGCCGGGGCCGAAGCCGGGGCCGGGGCCGGGGCC						
98838	98859	97958	98863	CDS product uracil DNA glycosylase	98838-98859	4:01:01 GGGGCCGGGGCCGGGGCCGGGG
98878	98900	98866	99342	CDS product envelope glycoprotein L	98878-98900	4:01:01 CCGTCGCCAGGGCCGAGGGACC
98909	98925	98866	99342	CDS product envelope glycoprotein L	98909-98925	4:01:01 GGTATCGGGGCGGCAGG
98938	98954	98866	99342	CDS product envelope glycoprotein L	98938-98954	5:02:01 GGCGGCGGTGGCAGCGG
99160	99180	98866	99342	CDS product envelope glycoprotein L	99160-99180	5:02:01 CCCGCCAGGCCGGGGCCGCC
101124	101145	100670	102700	CDS product ubiquitin E3 ligase ICPO	101124-101145	5:02:01
CCGCCCGCGGCCGGGGTCCC						
101156	101191	100670	102700	CDS product ubiquitin E3 ligase ICPO	101156-101191	7:04:01
CCCGCCGAGCGCGCCCCGGGGCCGCGGGGGCC						
101164	101211	100670	102700	CDS product ubiquitin E3 ligase ICPO	101164-101211	10:07:02
GGCCGGCCCCGGGGCCCGCGGGGGCCGGGTCGGCGGGGCGGGCGGG						
101239	101290	100670	102700	CDS product ubiquitin E3 ligase ICPO	101239-101290	10:07:02
GGAGATGGGCGCGGGGGCTGGGGCCGGGGCCGGGGTCGGGGCGCGG						
101335	101401	100670	102700	CDS product ubiquitin E3 ligase ICPO	101335-101401	12:09:03
CCCAGCTCCCCAGCAGCCTGGCCCGGCGTCCCCTCGTCCCTCCTCACTGCCCCCCCCAGCCC						
101411	101443	100670	102700	CDS product ubiquitin E3 ligase ICPO	101411-101443	6:03:01
CCCGCCGCGACTCCCAAGCCCGCTCCCTCCCC						

101498 101518 100670 102700 CDS product ubiquitin E3 ligase ICPO GGCGCCGCCGGAATCGGGG	101498-101518 4:01:01
101658 101705 100670 102700 CDS product ubiquitin E3 ligase ICPO CCGCAGGCCGCCGAGCCGGCCGCCAGACGCCCCCGGTGCGCC	101658-101705 9:06:02
101715 101743 100670 102700 CDS product ubiquitin E3 ligase ICPO CCTCCGCGTCCGTCTCCGGCTCCGTTTC	101715-101743 6:03:01
101755 101771 100670 102700 CDS product ubiquitin E3 ligase ICPO	101755-101771 5:02:01 GGCGGTCAGGTCGGAGG
101817 101842 100670 102700 CDS product ubiquitin E3 ligase ICPO CCTCCGAGCCCTCCGAGTCCGAGTCC	101817-101842 6:03:01
101859 101874 100670 102700 CDS product ubiquitin E3 ligase ICPO	101859-101874 4:01:01 CCACCCACGGCCGCC
102095 102131 100670 102700 CDS product ubiquitin E3 ligase ICPO CCCACCAGAGCGCCCTCGACCCACTCCACCACCCGCC	102095-102131 8:05:02
102144 102160 100670 102700 CDS product ubiquitin E3 ligase ICPO	102144-102160 4:01:01 CCCCCGGCCCATGCTCC
102161 102190 100670 102700 CDS product ubiquitin E3 ligase ICPO GGCGTGTTCGGCAGCAAGGCAGGCGCGG	102161-102190 5:02:01
102216 102391 100670 102700 CDS product ubiquitin E3 ligase ICPO CCTGCGCCGCTCCGCGCCTCGCCCCGCGCCCCCGGCGCTCCGGCCGCTGCCCCCGGCGCCTCTGGCCTCCCCGGCTCCTCGCCCCCGGCCCCGCGCGCCTCGCTCCCGTCC GCGGCCCCGGCTTCCCCCGCGCCCCCGAGGCCTCGCGTTCGGCCGCC	102216-102391 36:33:09
102438 102481 100670 102700 CDS product ubiquitin E3 ligase ICPO CCGCGTCCGGCTCCAACGCGCCGTCCGCCCCGGCCCTCCCCC	102438-102481 10:07:02
102568 102581 100670 102700 CDS product ubiquitin E3 ligase ICPO	102568-102581 4:01:01 CCCCTCCAGCCACC
102582 102618 100670 102700 CDS product ubiquitin E3 ligase ICPO GGCGGATGCAGGCCAGGCAGAAGGCGTGCAGGCAGG	102582-102618 7:04:01

102677	102693	100670	102700	CDS product ubiquitin E3 ligase ICP0	102677-102693	4:01:01	GGGGCAGCGCGGGCGG
103683	103708	103673	107704	CDS product transcriptional regulator ICP4 CCGGCCCGCCCGCGCGCCGGCC	103683-103708	6:03:01	
103744	103778	103673	107704	CDS product transcriptional regulator ICP4 GGACGAGGACGAGGACGAGGAGGAGGAGGAGG	103744-103778	9:06:02	
103804	103870	103673	107704	CDS product transcriptional regulator ICP4 CCCGCGCCGGGGCCCGCGGCCCGCCCGCCCGCGCGCGGAAGCCCGAGCCCGCGCCC	103804-103870	14:11:03	
103886	103904	103673	107704	CDS product transcriptional regulator ICP4 GGCACC CGGGCCGGCGGGG	103886-103904	4:01:01	
103932	103948	103673	107704	CDS product transcriptional regulator ICP4 CCACCAGGCCCGCCCC	103932-103948	5:02:01	
103977	104023	103673	107704	CDS product transcriptional regulator ICP4 CCCGCGGGCCCTGGTCCGCGTCCAGTCCACGCCGGGCGCGCGGCC	103977-104023	8:05:02	
104011	104031	103673	107704	CDS product transcriptional regulator ICP4 GGGCGCCGCGGCCGCGGGCGG	104011-104031	4:01:01	
104034	104053	103673	107704	CDS product transcriptional regulator ICP4 CCGCCGCGCCTCCAGCACC	104034-104053	5:02:01	
104057	104090	103673	107704	CDS product transcriptional regulator ICP4 GGCGGCGCCTCGGCGCGCGCTCCGGCAGCGCGG	104057-104090	6:03:01	
104103	104116	103673	107704	CDS product transcriptional regulator ICP4	104103-104116	4:01:01	CCACC CGCGCGGCC
104149	104174	103673	107704	CDS product transcriptional regulator ICP4 CCGCCCCGAGGCCAGGTACACCGGCC	104149-104174	5:02:01	
104158	104181	103673	107704	CDS product transcriptional regulator ICP4	104158-104181	4:01:01	

GGCCAGGTACACCGGCCGACGCG							
104199	104219	103673	107704	CDS product transcriptional regulator ICP4	104199-104219	6:03:01	
GGTTGGCGGCGCGGTGGCTGG							
104220	104292	103673	107704	CDS product transcriptional regulator ICP4	104220-104292	12:09:03	
CCGCCTCGCCCTCCACGAAGTCCGGCTCCCCGAGCCCCAGCGCCGCGCCCTGCGCGGCCATGTCCTTGCGCCC							
104330	104369	103673	107704	CDS product transcriptional regulator ICP4	104330-104369	7:04:01	
GGCGGCACGGGCACCGCGGTGCGCGGGCCCAGGCGCGTGG							
104577	104595	103673	107704	CDS product transcriptional regulator ICP4	104577-104595	4:01:01	
CCTGCCCCGACGGCCGGGCC							
104641	104663	103673	107704	CDS product transcriptional regulator ICP4	104641-104663	6:03:01	
CCGCCGCCGCGCCGCGGCCAGCC							
104751	104777	103673	107704	CDS product transcriptional regulator ICP4	104751-104777	5:02:01	
CCGGCGCGCCCGTCCAGCGCCCGGCC							
104847	104872	103673	107704	CDS product transcriptional regulator ICP4	104847-104872	5:02:01	
GGCGCGGCGGCCACTCGGGCCGCCGG							
104895	104910	103673	107704	CDS product transcriptional regulator ICP4	104895-104910	4:01:01	CCGCCAGCGCCTCCCC
104971	104987	103673	107704	CDS product transcriptional regulator ICP4	104971-104987	4:01:01	
CCAGGCCACGCGCCGCC							
105013	105032	103673	107704	CDS product transcriptional regulator ICP4	105013-105032	4:01:01	
GGGGCCCCGCGCGGCGCGGG							
105074	105103	103673	107704	CDS product transcriptional regulator ICP4	105074-105103	5:02:01	
GGGCGCCAGGGCTCGGGGAAGAGCGGGTGG							
105105	105124	103673	107704	CDS product transcriptional regulator ICP4	105105-105124	4:01:01	

CCGCGAGCCGCGCCGCGACC						
105154	105175	103673	107704	CDS product transcriptional regulator ICP4	105154-105175	4:01:01
GGCGCTGGGCGCGGGCGTGTGG						
105184	105199	103673	107704	CDS product transcriptional regulator ICP4	105184-105199	4:01:01 GGGCGGCACGCGGCGG
105211	105237	103673	107704	CDS product transcriptional regulator ICP4	105211-105237	6:03:01
GGCGGCGGGGCCCGGGCGGCATGGG						
105249	105264	103673	107704	CDS product transcriptional regulator ICP4	105249-105264	4:01:01 GGGCGGGCAGCGGCGG
105267	105286	103673	107704	CDS product transcriptional regulator ICP4	105267-105286	5:02:01
CCCGCCGCGCGGCCCGGCC						
105278	105302	103673	107704	CDS product transcriptional regulator ICP4	105278-105302	6:03:01
GGCCCCGCGCGTCGCGGCGGCGG						
105333	105457	103673	107704	CDS product transcriptional regulator ICP4	105333-105457	26:23:06
CCTCCCCGAGGGCCCCCGCGGCGGCCGAGGGCCGCGCTCGCCGTCCCCGTCCCCGTCCCCTTCTCCTCCTCCTCCTCCTCCTCCTCGGCCCTTCTTCCTTCCCTCGGACCC						
105355	105368	103673	107704	CDS product transcriptional regulator ICP4	105355-105368	4:01:01 GGCGGCCGCGCAGGG
105467	105673	103673	107704	CDS product transcriptional regulator ICP4	105467-105673	44:41:11
CCCGCCGCGGGCGGGGCGGCCCTCTTCCTCCTCTTCCTCCTCTTCCTCCTCTTCCTCCTTTTCCTCCTCTTCCTCCTCTTCGCGCTCTTCGTCTCCCGTCCTCCCGTCCTCCGC						
CTCGGACCCGTCCTCCGGTCCGCCCCGCGGCCCCGGCCCTCATGTCTCCACCTCCACTTCCACCGCCCCCGGCC						
105662	105695	103673	107704	CDS product transcriptional regulator ICP4	105662-105695	7:04:01
GGCCCCGGCCCCGCGCGGCGGCGCGCGCGG						
105686	105721	103673	107704	CDS product transcriptional regulator ICP4	105686-105721	8:05:02
CCGGCGCGGCGCCCCCGCGGCGGCCTCCAGGGCC						
105732	105757	103673	107704	CDS product transcriptional regulator ICP4	105732-105757	7:04:01
CCGCCAGCCGCGCGGCACCTCCGCC						

105840	105871	103673	107704	CDS product transcriptional regulator ICP4	105840-105871	7:04:01	
CCACGGTCCGCGCCGCCAGCGCGCCGCCTCC							
105984	106006	103673	107704	CDS product transcriptional regulator ICP4	105984-106006	4:01:01	
CCGGGTGCGCCGCCAGCGGTCC							
106007	106036	103673	107704	CDS product transcriptional regulator ICP4	106007-106036	6:03:01	
GGCGCGCAGGCCGCGGCCGGCAGGCCGCGG							
106017	106074	103673	107704	CDS product transcriptional regulator ICP4	106017-106074	9:06:02	
CCGCGGCCGGCAGGCCGCGGCCCGCGGCCGAGAGCACCGGGAGCCCGGCGCGCC							
106058	106088	103673	107704	CDS product transcriptional regulator ICP4	106058-106088	7:04:01	
GGGAGCCCGGCGGCCGGCGCGCGCGGGG							
106089	106102	103673	107704	CDS product transcriptional regulator ICP4	106089-106102	4:01:01	CCGCCTCCAGCGCC
106107	106126	103673	107704	CDS product transcriptional regulator ICP4	106107-106126	4:01:01	
GGCAGGCGACGGCGCAGCGG							
106155	106174	103673	107704	CDS product transcriptional regulator ICP4	106155-106174	4:01:01	
CCGCCCCGCGCGTGCTCGCC							
106175	106191	103673	107704	CDS product transcriptional regulator ICP4	106175-106191	4:01:01	
GGCGGCAGGGGCGCCGG							
106244	106276	103673	107704	CDS product transcriptional regulator ICP4	106244-106276	7:04:01	
CCGCTGCCGCGCGCGCCGCTCCGGGTAGGCC							
106255	106283	103673	107704	CDS product transcriptional regulator ICP4	106255-106283	6:03:01	
GGCGCCGGCCTCCGGGTAGGCCATGGGG							
106338	106358	103673	107704	CDS product transcriptional regulator ICP4	106338-106358	4:01:01	
GGCGGCTCATGGCCACGCAGG							

106566	106582	103673	107704	CDS product transcriptional regulator ICP4 CCAGGTCCACCAGCGCC	106566-106582	4:01:01	
106594	106612	103673	107704	CDS product transcriptional regulator ICP4 CCCCGCGTCCCCATCTCC	106594-106612	4:01:01	
106626	106645	103673	107704	CDS product transcriptional regulator ICP4 CCGCGGGCCCCGCGGCCGCC	106626-106645	4:01:01	
106728	106743	103673	107704	CDS product transcriptional regulator ICP4	106728-106743	5:02:01	GGCCGGGCGGCGGCGG
106751	106767	103673	107704	CDS product transcriptional regulator ICP4 CCGGGCCACGCCTCGCC	106751-106767	4:01:01	
106860	106878	103673	107704	CDS product transcriptional regulator ICP4 GGCGCCGCGGCGGGGGGG	106860-106878	5:02:01	
106889	106943	103673	107704	CDS product transcriptional regulator ICP4 GGCGGCGAGGGCGCCGGGGGCCGGGCGCGGCCCGCGGGCGCCGGGCCCCG	106889-106943	10:07:02	
106934	106951	103673	107704	CDS product transcriptional regulator ICP4 CCGGGCCCCGCGCCCGCC	106934-106951	4:01:01	
106958	106982	103673	107704	CDS product transcriptional regulator ICP4 GGGGCCGCTTTGGTTCTGGTCCCGG	106958-106982	4:01:01	
106978	107014	103673	107704	CDS product transcriptional regulator ICP4 CCCGGCCCCAGTCCCGGCTCAGCCTCGGCCTCGGCC	106978-107014	7:04:01	
107035	107070	103673	107704	CDS product transcriptional regulator ICP4 CCCCTCCCGGGCCTCGCCCCATCGTCCTCGGGCCC	107035-107070	7:04:01	
107085	107109	103673	107704	CDS product transcriptional regulator ICP4 CCTCGGGCCCGCTGTCCTCGGACCC	107085-107109	4:01:01	

107124	107200	103673	107704	CDS product transcriptional regulator ICP4	107124-107200	13:10:03	
CCTCGGGCCCAACGTCGCCGGCCTCGGTCTGGCCCCGAGGGACCGCCGCCCCCGCCTCAGTCCCCGCTTCGGCC							
107143	107165	103673	107704	CDS product transcriptional regulator ICP4	107143-107165	4:01:01	
GGCCTCGGTCTGGCCCCGAGGG							
107211	107221	103673	107704	CDS product transcriptional regulator ICP4	107211-107221	4:01:01	CCGCCCCCGCC
107224	107264	103673	107704	CDS product transcriptional regulator ICP4	107224-107264	7:04:01	
GGCTTCGATGGCGGCGGCTATGACGGCCGCTTCGGCCGCGG							
107250	107302	103673	107704	CDS product transcriptional regulator ICP4	107250-107302	12:09:03	
CCGCTTCGGCCGCGGCGCCTCCGCCCCGGCCGCGCCGCTCCACCGCGACC							
107334	107365	103673	107704	CDS product transcriptional regulator ICP4	107334-107365	8:05:02	
CCGCGTCCTCCGCGCCTCCGCCCCCTCGGCC							
107376	107437	103673	107704	CDS product transcriptional regulator ICP4	107376-107437	10:07:02	
CCGCGACGTCCGCGTCCTCGGCGCCCCCGCGTCCCTGGCGCCGGCGTCCTCGCCGATCTCC							
107446	107465	103673	107704	CDS product transcriptional regulator ICP4	107446-107465	4:01:01	
GGCCTCGGCGCCCTCGGTGG							
107448	107491	103673	107704	CDS product transcriptional regulator ICP4	107448-107491	7:04:01	
CCTCGGCGCCCTCGGTGGCCCCCGGTCTCCGGCGCCGTCGTCC							
107502	107528	103673	107704	CDS product transcriptional regulator ICP4	107502-107528	7:04:01	
CCGCGTCCTCCCCGCCACCATCCGCC							
107536	107563	103673	107704	CDS product transcriptional regulator ICP4	107536-107563	5:02:01	
GGCCAGCTCGGCGGGGCGGCCCGCCGG							
107604	107641	103673	107704	CDS product transcriptional regulator ICP4	107604-107641	7:04:01	
CCGGGTCTCCTCCGAGCCCCCGTCGGGCCGAGGTCC							

112804	112830	112768	113670	CDS product regulatory protein ICP22	112804-112830	6:03:01	
CCTGCCGCTCTGCCGCTGCCCCGACC							
112871	112895	112768	113670	CDS product regulatory protein ICP22	112871-112895	4:01:01	
CCGCGGCCCCGGGCGCCTTCTGCCCC							
113088	113112	112768	113670	CDS product regulatory protein ICP22	113088-113112	4:01:01	
CCCGAGCAGGCCGGCCCCGCTGCGCC							
113125	113144	112768	113670	CDS product regulatory protein ICP22	113125-113144	6:03:01	CCGCCGCCGCCCGGGCCCC
113153	113185	112768	113670	CDS product regulatory protein ICP22	113153-113185	6:03:01	
CCCGCTGTCGCCCCCGGCGCGCCTGCCGGGCCC							
113243	113292	112768	113670	CDS product regulatory protein ICP22	113243-113292	13:10:03	
GGAGGACGAGGAGCGGACGAGGAGGGGAGGAGAACGGCGGCGAGGGGG							
113293	113372	112768	113670	CDS product regulatory protein ICP22	113293-113372	17:14:04	
CCGCCGCCGAAAGCCCCCCCCCGGTGCCGCCGCGAGCCGGTCCTCTCCTCCGCCTCGCCCGGGCCTCGGCCGTCTCC							
113385	113408	112768	113670	CDS product regulatory protein ICP22	113385-113408	6:03:01	
CCCACCGCTCCTCTTCCACCTCC							
113462	113519	112768	113670	CDS product regulatory protein ICP22	113462-113519	10:07:02	
CCCCGGGCCCCGGGACCCGCGCCCCGGCGCGCGGGCCCCGGCGCCGGCGGCCCCCCC							
113486	113512	112768	113670	CDS product regulatory protein ICP22	113486-113512	6:03:01	
GGCCGGCGCCGGGCCCGGCGCCGGCGG							
113531	113549	112768	113670	CDS product regulatory protein ICP22	113531-113549	4:01:01	CCGGCGCCGGCCCCGCGCCC
113563	113602	112768	113670	CDS product regulatory protein ICP22	113563-113602	8:05:02	
CCTCCGGCTCCTCGCCGGGCTCCTCGCCATACCCGTCGCC							
113637	113658	112768	113670	CDS product regulatory protein ICP22	113637-113658	5:02:01	

CCCGCGCCGCCAAGCGCCGCC							
114547	114566	114213	114944	CDS product virion protein V67	114547-114566	4:01:01	CCGCCAGCGGGCCTCGTCC
114642	114658	114213	114944	CDS product virion protein V67	114642-114658	4:01:01	GGTCGGCGCGCGCGGG
114730	114754	114213	114944	CDS product virion protein V67	114730-114754	4:01:01	GGGGCTTGGACGAGGGCACCACCGG
114824	114862	114213	114944	CDS product virion protein V67	114824-114862	8:05:02	
CCAGCCACCAAGCCCCCTCGCATCCGGGACCGGTGCC							
114851	114879	114213	114944	CDS product virion protein V67	114851-114879	6:03:01	
GGGACCGGTGCCGGGTCGCGGTGCGGG							
115118	115129	115001	115663	CDS product virion protein US2	115118-115129	4:01:01	CCACCGGCCACC
115136	115168	115001	115663	CDS product virion protein US2	115136-115168	5:02:01	
GGGAGTGTGCGGGTATCGTAGGGCGGCCACGGG							
115179	115213	115001	115663	CDS product virion protein US2	115179-115213	7:04:01	
CCGGGCCGCGCCGGGAGCCGCCACGCCGCTCCC							
115358	115384	115001	115663	CDS product virion protein US2	115358-115384	5:02:01	CCGTCGACCACGCTGACCCACTCCGCC
115385	115432	115001	115663	CDS product virion protein US2	115385-115432	9:06:02	
GGTTGGCGGTGGCGGGCTAAGCCGGCGCCCCGGCGCGGCCAAGGG							
115530	115562	115001	115663	CDS product virion protein US2	115530-115562	5:02:01	
CCGTCGTCCCAGCCGGCTTGCCGTCAGCGCCC							
115999	116021	115796	117202	CDS product serine/threonine protein kinase US3	115999-116021	6:03:01	
CCGCCGGCCAGAACCGGTCCGCC							
116014	116047	115796	117202	CDS product serine/threonine protein kinase US3	116014-116047	6:03:01	
GGTCCGCCGACGCGGACGGGATCGAAGGGGGG							
116473	116497	115796	117202	CDS product serine/threonine protein kinase US3	116473-116497	4:01:01	

GGGGAGCTGGTGTGCGTGCTGG						
116562 116581 115796 117202	CDS product serine/threonine protein kinase US3	116562-116581	4:01:01			
GGCGCTGGCGGTGACGCGGG						
116595 116617 115796 117202	CDS product serine/threonine protein kinase US3	116595-116617	4:01:01			
CCTCGCGTACCTGCACTCCCGCC						
116682 116710 115796 117202	CDS product serine/threonine protein kinase US3	116682-116710	5:02:01			
GGGCGACTTTGGCGCGGCACACGGGCCGG						
116731 116749 115796 117202	CDS product serine/threonine protein kinase US3	116731-116749	4:01:01			
GGCCTGGCCGGCACCTGG						
116871 116903 115796 117202	CDS product serine/threonine protein kinase US3	116871-116903	5:02:01			
GGGCCCCGAGGGCGAGGACGCCGAGGCATCGGG						
116989 117016 115796 117202	CDS product serine/threonine protein kinase US3	116989-117016	5:02:01			
CCACCCAGCCCCACTGACCGGCTGACCC						
117045 117073 115796 117202	CDS product serine/threonine protein kinase US3	117045-117073	5:02:01			
CCGAGAGCCGCACAGCCCGTACCGCTGCC						
117084 117118 115796 117202	CDS product serine/threonine protein kinase US3	117084-117118	7:04:01			
CCGGCTGCCCTGCGACGCCGACCGCCTCCTACACC						
117339 117381 117337 118671	CDS product envelope glycoprotein G	117339-117381	9:06:02			
CCTGCCGCCCCGACCGGCACCTTGGCCGCCGTCGCCCTAATCC						
117462 117500 117337 118671	CDS product envelope glycoprotein G	117462-117500	7:04:01			
CCCTCCCGCCCGCTGGGGCCCGTCCTGAACCTAGCGGCC						
117517 117537 117337 118671	CDS product envelope glycoprotein G	117517-117537	4:01:01	GGGTTTCGGTGCGCGCGGTGG		
117560 117598 117337 118671	CDS product envelope glycoprotein G	117560-117598	8:05:02			

GGCCCTCTTGACATGGCGGAGACGGTGGTGGCCGCGG						
117591	117611	117337	118671	CDS product envelope glycoprotein G	117591-117611	4:01:01 CCCGGCGGACCGCGAGCCGCC
117803	117827	117337	118671	CDS product envelope glycoprotein G	117803-117827	4:01:01
CCCCGGCCTGTACGACCGCGGGACC						
117918	117942	117337	118671	CDS product envelope glycoprotein G	117918-117942	5:02:01
GGGCTGGACCGAGGGCTCGGTGTGG						
118232	118250	117337	118671	CDS product envelope glycoprotein G	118232-118250	4:01:01 CCGGACCGCCAGCGGGCCC
118406	118456	117337	118671	CDS product envelope glycoprotein G	118406-118456	9:06:02
CCAGGAGCCCGCTCGCTCGAGCGCGCCCGATGCCCGCGCCACCGATCC						
118475	118493	117337	118671	CDS product envelope glycoprotein G	118475-118493	4:01:01 CCTGCCCCGATGACCCCGCC
118573	118595	117337	118671	CDS product envelope glycoprotein G	118573-118595	4:01:01 CCTGCCGGCTCGCCCGCGCAGCC
118612	118631	117337	118671	CDS product envelope glycoprotein G	118612-118631	4:01:01 CCCGCGCCGCCACGTCGCC
118987	119007	118896	120149	CDS product envelope glycoprotein D	118987-119007	4:01:01 CCCGCCGGCGTACCCGATGCC
119040	119059	118896	120149	CDS product envelope glycoprotein D	119040-119059	4:01:01 CCGGGCCCATAACGTCGCC
119299	119316	118896	120149	CDS product envelope glycoprotein D	119299-119316	4:01:01 CCGCTACCGCACACCCCC
119690	119704	118896	120149	CDS product envelope glycoprotein D	119690-119704	5:02:01 CCGCCGCCTGCCGCC
119715	119728	118896	120149	CDS product envelope glycoprotein D	119715-119728	4:01:01 CCCCCGCGCCACCC
119740	119823	118896	120149	CDS product envelope glycoprotein D	119740-119823	13:10:03
GGCCCGCGAGGATGAAGGGGAGACCGAGGACGGGGCAGCCGGGCGGGAGGGCAACGGCGGCCCCCAGGACCCGAAGGCGACGG						
119867	119902	118896	120149	CDS product envelope glycoprotein D	119867-119902	7:04:01
CCGAAACCCGGCCCCAGCCCCGACGCCGACCGCCCC						
119935	119979	118896	120149	CDS product envelope glycoprotein D	119935-119979	10:07:02
CCCCCGCCCCGCCCCGCTACGCCCGCGCCCCGACGCCGTGCC						

119990	120011	118896	120149	CDS product envelope glycoprotein D
120027	120040	118896	120149	CDS product envelope glycoprotein D
120305	120319	120287	121435	CDS product envelope glycoprotein I
120450	120471	120287	121435	CDS product envelope glycoprotein I
120548	120566	120287	121435	CDS product envelope glycoprotein I
120584	120606	120287	121435	CDS product envelope glycoprotein I
120671	120689	120287	121435	CDS product envelope glycoprotein I
120721	120743	120287	121435	CDS product envelope glycoprotein I
120802	120840	120287	121435	CDS product envelope glycoprotein I
CCCGGAGACCCAGAGCCGCGCCGCGCACCCCGGCGCC				
120921	120954	120287	121435	CDS product envelope glycoprotein I
CCCCGCAGGCGCGCCACCACGCCCGGCCCCACC				
121043	121101	120287	121435	CDS product envelope glycoprotein I
CCCTCACCACGCCCCGCGCGCCTGACCGCCAGCCCCGCGCCAGCCCCTCCCGTGCC				
121112	121125	120287	121435	CDS product envelope glycoprotein I
121254	121268	120287	121435	CDS product envelope glycoprotein I
121357	121374	120287	121435	CDS product envelope glycoprotein I
121380	121402	120287	121435	CDS product envelope glycoprotein I
121391	121419	120287	121435	CDS product envelope glycoprotein I
CCCGGCCAAAGGCGCCCCCTCGCCACC				
121719	121734	121714	123441	CDS product envelope glycoprotein E
121789	121816	121714	123441	CDS product envelope glycoprotein E
CCGAGGCCAAGCCCGCGACCGAAACCCC				

119990-120011	4:01:01	GGGATCGGCATTGCGGCTGCGG
120027-120040	5:02:01	CCGCCGCGCGCC
120305-120319	4:01:01	GGATGGTGGTGCTGG
120450-120471	4:01:01	CCTGGAACACCAGCTCCCGGCC
120548-120566	4:01:01	CCGCGTTCGCCTCCTGCCC
120584-120606	4:01:01	CCTTTCGCTCCTGCCTGCACGCC
120671-120689	4:01:01	CCATCGCCCATCCGCGCCC
120721-120743	4:01:01	GGCATCTACGGCGGCACCGCGGG
120802-120840	6:03:01	
120921-120954	7:04:01	
121043-121101	14:11:03	
121112-121125	4:01:01	CCGCCCCGGCGCC
121254-121268	4:01:01	CCGCCGCTGCTGCC
121357-121374	4:01:01	CCGAGCGCCCCAGCCACC
121380-121402	4:01:01	GGCACTGGGCTCCCGGCCAAAGG
121391-121419	6:03:01	
121719-121734	4:01:01	CCCACCGCGCGCCCC
121789-121816	5:02:01	

121817 121848 121714 123441 CDS product envelope glycoprotein E GGGCTCGGCTTCGGTCGACACGGTCTTCACGG	121817-121848 5:02:01
121936 121977 121714 123441 CDS product envelope glycoprotein E CCTGCTCGCCGCCCGTGCCGAGCCCGTCTGCCTCGACGACC	121936-121977 7:04:01
122011 122045 121714 123441 CDS product envelope glycoprotein E CCTGCCTGCGAACC GCCCGCGTGGCCCCGCTGGCC	122011-122045 6:03:01
122168 122179 121714 123441 CDS product envelope glycoprotein E	122168-122179 4:01:01 GGAGGACGGCGG
122200 122226 121714 123441 CDS product envelope glycoprotein E GGCTCATCGGCGACGCCGGCGACGAGG	122200-122226 4:01:01
122252 122275 121714 123441 CDS product envelope glycoprotein E	122252-122275 4:01:01 GGTCGCGACGGCCGGCGCGCAGGG
122301 122337 121714 123441 CDS product envelope glycoprotein E CCAGCGACCGGGCCACCCCGGCCCGCCGCCCCACC	122301-122337 9:06:02
122555 122588 121714 123441 CDS product envelope glycoprotein E CCACCCCGAGGCACCGGCCTGCCTGCACCCCGCC	122555-122588 7:04:01
122613 122630 121714 123441 CDS product envelope glycoprotein E	122613-122630 4:01:01 CCGTACCGCTCCGAGACC
122657 122672 121714 123441 CDS product envelope glycoprotein E	122657-122672 4:01:01 CCGCCCGGACCCTGCC
122881 122950 121714 123441 CDS product envelope glycoprotein E CCGACCACACGCGCCCCGAGGCCGAGCCGCCGACGCTCCCGAGCCAGGCCACCGCTCACCAGCGAGCC	122881-122950 12:09:03
122961 122978 121714 123441 CDS product envelope glycoprotein E	122961-122978 4:01:01 CCCACCGGGCCCGCGCCC
122980 123025 121714 123441 CDS product envelope glycoprotein E GGCTTGTGGTGCTGGTGGGCGCGCTTGACTCGCGGGACTGGTGGG	122980-123025 8:05:02
123089 123136 121714 123441 CDS product envelope glycoprotein E CCTCAACCCCTTCGGGCCCGTATACACCAGCTTGCCGACCAACGAGCC	123089-123136 7:04:01

123247	123274	121714	123441	CDS product envelope glycoprotein E	123247-123274	5:02:01
CCTACGACCTCGCCGGCGCCCCAGAGCC						
123610	123626	123548	123982	CDS product membrane protein US9	123610-123626	5:02:01 CCCCTTCACCGCCGCC
123635	123655	123548	123982	CDS product membrane protein US9	123635-123655	4:01:01 CCATCGTGTCCATCCCCATCC
123698	123720	123548	123982	CDS product membrane protein US9	123698-123720	4:01:01 CCGGCACCGCGGCAGCCGCACCC
123843	123876	123548	123982	CDS product membrane protein US9	123843-123876	8:05:02
GGGGCGGCAGCAGCGGCGGCGGCATCGGCGGCGG						
123910	123944	123548	123982	CDS product membrane protein US9	123910-123944	7:04:01
GGCCTCGGGCCTGCGCGGCGGCGGCAGCGGCAGG						
124558	124579	124548	125450	CDS product regulatory protein ICP22	124558-124579	5:02:01
GGCGGCGCTTGCCGCGCGGG						
124614	124653	124548	125450	CDS product regulatory protein ICP22	124614-124653	8:05:02
GGCGACGGGTATGGCGAGGAGCCCGGCGAGGAGCCGGAGG						
124667	124685	124548	125450	CDS product regulatory protein ICP22	124667-124685	4:01:01 GGGCGGGGCCGGCGCCGG
124697	124754	124548	125450	CDS product regulatory protein ICP22	124697-124754	10:07:02
GGGGGGCCGCCGCGCCGGGCCCCGCGCCGGCGGGTCCCCGGGCCCCGGG						
124704	124730	124548	125450	CDS product regulatory protein ICP22	124704-124730	6:03:01
CCGCCGCGCCGGGCCCCGCGCCGGCC						
124808	124831	124548	125450	CDS product regulatory protein ICP22	124808-124831	6:03:01
GGAGGTGGAAGAGGACGCGGTGGG						
124844	124923	124548	125450	CDS product regulatory protein ICP22	124844-124923	17:14:04
GGAGACGGCCGAGGCCGCGGGCGAGGCGGAGAGGACCGGGCTCGGGCGGCACCGGGGGGGCTTTCGGCGGCGG						
124924	124973	124548	125450	CDS product regulatory protein ICP22	124924-124973	13:10:03

125031	125063	124548	125450	CDS	product	regulatory protein	ICP22	125031-125063	6:03:01
GGGCCCCGGCAGGCGCGCCGGGGCGACAGCGGG									
125072	125091	124548	125450	CDS	product	regulatory protein	ICP22	125072-125091	6:03:01
125104	125128	124548	125450	CDS	product	regulatory protein	ICP22	125104-125128	4:01:01
GGCGCAGCGGGCCGGCCTGCTCGGG									
125321	125345	124548	125450	CDS	product	regulatory protein	ICP22	125321-125345	4:01:01
GGGGCAGAAGGCGCCCGGGCCGCGG									
125386	125412	124548	125450	CDS	product	regulatory protein	ICP22	125386-125412	6:03:01
GGTCGGGCGAGCGGCAGAGGCGGCAGG									
130575	130612	130514	134545	CDS	product	transcriptional regulator	ICP4	130575-130612	7:04:01
GGACCTCGGCCCGACGGGGGGCTCGGAGGAAGACCCGG									
130653	130680	130514	134545	CDS	product	transcriptional regulator	ICP4	130653-130680	5:02:01
CCGGCGGGCCGCCCGCGCCGAGCTGGCC									
130688	130714	130514	134545	CDS	product	transcriptional regulator	ICP4	130688-130714	7:04:01
GGCGGATGGTGGGCGGGGAGGACGCGG									
130725	130768	130514	134545	CDS	product	transcriptional regulator	ICP4	130725-130768	7:04:01
GGACGACGGCGCCGAGACGCGGGGGCCACCGAGGGCGCCGAGG									
130751	130770	130514	134545	CDS	product	transcriptional regulator	ICP4	130751-130770	4:01:01
CCACCGAGGGCGCCGAGGCC									
130779	130840	130514	134545	CDS	product	transcriptional regulator	ICP4	130779-130840	10:07:02
GGAGATCGGCGAGGACGCCGGCGCCAGGGACGCGGGGGCGCCGAGGACGCGGACGTCGCGG									
130851	130882	130514	134545	CDS	product	transcriptional regulator	ICP4	130851-130882	8:05:02

GGCCGAGGGGGCGGAGGGCGCGGAGGACGCGG		
130914 130966 130514 134545 CDS product transcriptional regulator ICP4	130914-130966	12:09:03
GGTCGCGGTGGAGGCGGCCGCGCGGGGCGGAGGCGGCCGCGGCCGAAGCGG		
130952 130992 130514 134545 CDS product transcriptional regulator ICP4	130952-130992	7:04:01
CCGCGGCCGAAGCGGCCGTCATAGCCGCCCATCGAAGCC		
130995 131005 130514 134545 CDS product transcriptional regulator ICP4	130995-131005	4:01:01 GGCGGGGGCGG
131016 131092 130514 134545 CDS product transcriptional regulator ICP4	131016-131092	13:10:03
GGCCGAAGCGGGACTGAGGCGGGGGCGGCGGTGCCCTCGGGGCCAGGACCGAGCGCGGACGTTGGGCCCGAGG		
131051 131073 130514 134545 CDS product transcriptional regulator ICP4	131051-131073	4:01:01
CCCTCGGGGCCAGGACCGAGGCC		
131107 131131 130514 134545 CDS product transcriptional regulator ICP4	131107-131131	4:01:01
GGGTCCGAGGACAGCGGGCCCGAGG		
131146 131181 130514 134545 CDS product transcriptional regulator ICP4	131146-131181	7:04:01
GGGCCCCGAGGACGATGGGGGCGAGGCCCGGGAGGGG		
131202 131238 130514 134545 CDS product transcriptional regulator ICP4	131202-131238	7:04:01
GGCCGAGGCCGAGGCTGAGGCCGGGACTGGGGCCGGG		
131234 131258 130514 134545 CDS product transcriptional regulator ICP4	131234-131258	4:01:01
CCGGGACCAGAACCAAGCGGCCCC		
131265 131282 130514 134545 CDS product transcriptional regulator ICP4	131265-131282	4:01:01
GGCGGGCGCCGGGCCCCG		
131273 131327 130514 134545 CDS product transcriptional regulator ICP4	131273-131327	10:07:02
CCGGGCCCGGCGCCCCGCGGGCCGCGCCCCGGCCCCGGCGCCCTCGCCCGC		
131338 131356 130514 134545 CDS product transcriptional regulator ICP4	131338-131356	5:02:01

CCCCCCCCCGCGGCGGCC							
131449	131465	130514	134545	CDS product transcriptional regulator ICP4	131449-131465	4:01:01	
GGCGAGCGGTGGCCCGG							
131473	131488	130514	134545	CDS product transcriptional regulator ICP4	131473-131488	5:02:01	CCGCCGCCGCCGGCC
131571	131590	130514	134545	CDS product transcriptional regulator ICP4	131571-131590	4:01:01	
GGCGGCCGCGGGCCCGCGG							
131604	131622	130514	134545	CDS product transcriptional regulator ICP4	131604-131622	4:01:01	
GGAGATGGGGACGCGGGG							
131634	131650	130514	134545	CDS product transcriptional regulator ICP4	131634-131650	4:01:01	
GGCGCTGGTGGACCTGG							
131858	131878	130514	134545	CDS product transcriptional regulator ICP4	131858-131878	4:01:01	
CCTGCGTGGCCATGAGCCGCC							
131933	131961	130514	134545	CDS product transcriptional regulator ICP4	131933-131961	6:03:01	
CCCCATGGCCTACCCGGAGGCCGCGCC							
131940	131972	130514	134545	CDS product transcriptional regulator ICP4	131940-131972	7:04:01	
GGCCTACCCGGAGCCGCGCGCGGCAGCGG							
132025	132041	130514	134545	CDS product transcriptional regulator ICP4	132025-132041	4:01:01	
CCGGCGCCCTGCCGCC							
132042	132061	130514	134545	CDS product transcriptional regulator ICP4	132042-132061	4:01:01	
GGCGAGCACGGCGGGCGG							
132090	132109	130514	134545	CDS product transcriptional regulator ICP4	132090-132109	4:01:01	
CCGCTGCGCCGTCGCCTGCC							
132114	132127	130514	134545	CDS product transcriptional regulator ICP4	132114-132127	4:01:01	GGCGCTGGAGGCGG

132128	132158	130514	134545	CDS product transcriptional regulator ICP4	132128-132158	7:04:01	
CCCGCCGCGCCGCCGCGCCGCGGGCTCCC							
132142	132199	130514	134545	CDS product transcriptional regulator ICP4	132142-132199	9:06:02	
GGCGCCGCGGGCTCCCGGTGCTCTCGGCCGCGCGGGCCGCGCCTGCCGCGCGG							
132180	132209	130514	134545	CDS product transcriptional regulator ICP4	132180-132209	6:03:01	
CCGCGGCCTGCCGGCCGCGCCTGCGCGCC							
132210	132232	130514	134545	CDS product transcriptional regulator ICP4	132210-132232	4:01:01	
GGACGCGCTGGCGGCGACCCGG							
132345	132376	130514	134545	CDS product transcriptional regulator ICP4	132345-132376	7:04:01	
GGAGGCGCCGCGCTGGCGGCGGACCGTGG							
132459	132484	130514	134545	CDS product transcriptional regulator ICP4	132459-132484	7:04:01	
GGCGGAGGTGCCGCGCGGCTGGCGG							
132495	132530	130514	134545	CDS product transcriptional regulator ICP4	132495-132530	8:05:02	
GGCCCTGGAGGCCGCCGGCGGGGCGCCGGCGCCGG							
132521	132554	130514	134545	CDS product transcriptional regulator ICP4	132521-132554	7:04:01	
CCGGCGCCGGCGCCCGCGCCGGCGGGGGCC							
132543	132749	130514	134545	CDS product transcriptional regulator ICP4	132543-132749	44:41:11	
GGGCCGGGGCCGGTGGAAGTGGAGGTGGAGGACATGAGGGCCGGGCGCCGCGGGCGGACCCGGAGGACGGGTCCGAGGCGGAGGACGGGGAGGACGGGGAGGACGAAGAGGCGGAAGAGGAGGAAG							
AGGAGGAAAAGGAGGAAGAGGAGGAAGAGGAGGAAGAGGAGGAAGAGGAGGAAGAGGGCCGCCCGGCCGGCGCGG							
132759	132883	130514	134545	CDS product transcriptional regulator ICP4	132759-132883	26:23:06	
GGGTCCGAGGGAAGGAAGAAGGGCCGAGGAGGAGGAGGAGGAGGAGGAGGAAGAAGGGGACGGGGACGGGCGAGGCGGCGGCCCTGCCGGCCCGCGGGGGCCCTCGGGGAGG							
132848	132861	130514	134545	CDS product transcriptional regulator ICP4	132848-132861	4:01:01	CCCTGCCGGCCGCC
132914	132938	130514	134545	CDS product transcriptional regulator ICP4	132914-132938	6:03:01	

CCGCCGCCGCCGACGCGCGCGGCC							
132930	132949	130514	134545	CDS product transcriptional regulator ICP4	132930-132949	5:02:01	
GGCCGGGCCGCGCGCGCGG							
132952	132967	130514	134545	CDS product transcriptional regulator ICP4	132952-132967	4:01:01	CCGCCGCTGCCGCCC
132979	133005	130514	134545	CDS product transcriptional regulator ICP4	132979-133005	6:03:01	
CCCATGCCGCCCGCGCGCCCCGCC							
133017	133032	130514	134545	CDS product transcriptional regulator ICP4	133017-133032	4:01:01	CCGCCGCTGCCGCCC
133041	133062	130514	134545	CDS product transcriptional regulator ICP4	133041-133062	4:01:01	
CCACACGCCCGCGCCCCAGCGCC							
133092	133111	130514	134545	CDS product transcriptional regulator ICP4	133092-133111	4:01:01	
GGTCGCGCGCGGCTCGCGG							
133113	133142	130514	134545	CDS product transcriptional regulator ICP4	133113-133142	5:02:01	
CCACCCGCTCTTCCCCGAGCCCTGGCGCCC							
133184	133203	130514	134545	CDS product transcriptional regulator ICP4	133184-133203	4:01:01	
CCCGCCGCCGCGCGGGCCCC							
133229	133245	130514	134545	CDS product transcriptional regulator ICP4	133229-133245	4:01:01	
GGCGGCGCGTGGCCTGG							
133306	133321	130514	134545	CDS product transcriptional regulator ICP4	133306-133321	4:01:01	GGGAGGCGCTGGCGG
133344	133369	130514	134545	CDS product transcriptional regulator ICP4	133344-133369	5:02:01	
CCGGCGGCCCGAGTGCCGCCGCGCC							
133439	133465	130514	134545	CDS product transcriptional regulator ICP4	133439-133465	5:02:01	
GGGCCGGGCGCTGGACGGGCGCGCCG							
133553	133575	130514	134545	CDS product transcriptional regulator ICP4	133553-133575	6:03:01	

GGCTGGCCGCGGCGCGGCGGCGG							
133621	133639	130514	134545	CDS product transcriptional regulator ICP4	133621-133639	4:01:01	
GGCCCCGCGCGTCGGGCAGG							
133847	133886	130514	134545	CDS product transcriptional regulator ICP4	133847-133886	7:04:01	
CCACGCGCCTGGGCCCCGCGCACCGCGGTGCCCGTGCCGCC							
133924	133996	130514	134545	CDS product transcriptional regulator ICP4	133924-133996	12:09:03	
GGGCGCAAGGACATGGCCGCGCAGGGCGCGGCTGGGGCTCGGGGAGCCGGACTTCGTGGAGGGCGAGGCGG							
133997	134017	130514	134545	CDS product transcriptional regulator ICP4	133997-134017	6:03:01	
CCAGCCACCGCGCCGCCAAC							
134035	134058	130514	134545	CDS product transcriptional regulator ICP4	134035-134058	4:01:01	
CCGCTGCGGCGCGGTGTACCTGGCC							
134042	134067	130514	134545	CDS product transcriptional regulator ICP4	134042-134067	5:02:01	
GGCCGGTGTACCTGGCCTGCGGGCGG							
134100	134113	130514	134545	CDS product transcriptional regulator ICP4	134100-134113	4:01:01	GGCCGCGGCGGTGG
134126	134159	130514	134545	CDS product transcriptional regulator ICP4	134126-134159	6:03:01	
CCGCGCTGCCGAGCCGCGCGCCGAGGCGCCGCC							
134163	134182	130514	134545	CDS product transcriptional regulator ICP4	134163-134182	5:02:01	
GGTGCTGGAGGCCGCGGCGG							
134185	134205	130514	134545	CDS product transcriptional regulator ICP4	134185-134205	4:01:01	
CCGCCCCGCGCGCGCGCGCCC							
134193	134239	130514	134545	CDS product transcriptional regulator ICP4	134193-134239	8:05:02	
GGCCGCGCGCGCCGCGGTGGACTGGGACGCGGACCAGGGCCCCGCGG							
134268	134284	130514	134545	CDS product transcriptional regulator ICP4	134268-134284	5:02:01	

134312	134330	130514	134545	CDS product transcriptional regulator ICP4 CCCCGCCGGCCCGGTGCC	134312-134330	4:01:01
134346	134412	130514	134545	CDS product transcriptional regulator ICP4 GGGCGCGGGCTCGGGCTTCCCGCGCCGGCGGGCGGCCGGCGGCCCGCGCGGG	134346-134412	14:11:0
134438	134472	130514	134545	CDS product transcriptional regulator ICP4 CCTCCTCCTCCTCCTCGTCCTCGTCCTCGTCC	134438-134472	9:06:02
134508	134533	130514	134545	CDS product transcriptional regulator ICP4 GGCCGCGCCGCCGCGGGCGGGCCGG	134508-134533	6:03:01

960	973	784	1329	CDS product membrane protein UL56A	960-973	4:01:01	CCTCCCACACCCCC
994	1012	784	1329	CDS product membrane protein UL56A	994-1012	5:02:01	CCATTGCCTCCAATCCACC
1701	1728	1571	2452	CDS product multifunctional expression regulator-related protein			1701-1728
				5:02:01	CCCCCAACACGCCGCGCTCACATGCCCC		

4016	4033	3946	4497	CDS product nuclear protein UL55	4016-4033	4:01:01	CCTCCGCTGCACCTGCCC
7161	7178	6288	7301	CDS product envelope glycoprotein K	7161-7178	4:01:01	CCTCCCTGTACCGGAGCC
8167	8180	7306	10551	CDS product helicase-primase primase subunit	8167-8180	4:01:01	GGAGGCGGTACTGG
10629	10655	10562	11257	CDS product tegument protein UL51	10629-10655	4:01:01	GGTTCGTGAAAAACCGGTCCATCTGG
11081	11102	10562	11257	CDS product tegument protein UL51	11081-11102	4:01:01	CCATGCTAACCCCTGCGCCTCC
14210	14235	14182	15402	CDS product transactivating tegument protein VP16	14210-14235	4:01:01	
GGAACAGTGGCATAATAGGCATTGG							
16140	16168	15721	17649	CDS product tegument protein VP13/14	16140-16168	5:02:01	

[illegible]

44672	44685	44597	45241	CDS product nuclear egress membrane protein	44672-44685 4:01:01 GGTGGGGGAAATGG
49045	49065	48395	51913	CDS product DNA polymerase catalytic subunit	49045-49065 4:01:01
GGGAGGAAGCGGTTTTCCTGG					
50467	50486	48395	51913	CDS product DNA polymerase catalytic subunit	50467-50486 4:01:01
CCCACCTTTCCCAACATCCC					
53280	53299	52099	55683	CDS product single-stranded DNA-binding protein	53280-53299 4:01:01
GGTAAAGATGGGGTCCGGG					
53868	53886	52099	55683	CDS product single-stranded DNA-binding protein	53868-53886 4:01:01
CCGTTTTCTCCGAGGGCC					
54835	54860	52099	55683	CDS product single-stranded DNA-binding protein	54835-54860 4:01:01
CCAAGCGACCACATAATCCATCTCC					
55086	55111	52099	55683	CDS product single-stranded DNA-binding protein	55086-55111 5:02:01
GGAAATTGGAGTGGCCTTAACGGTGG					
55569	55585	52099	55683	CDS product single-stranded DNA-binding protein	55569-55585 4:01:01
CCACCTTCATACCAACC					
57121	57143	55770	58052	CDS product DNA packaging terminase subunit 2	57121-57143 4:01:01
GGCATCCGAGGTTTATGGATGGG					
60136	60169	57911	60661	CDS product envelope glycoprotein B	60136-60169 6:03:01
GGTTTGGGTACTGCGGGACAGGCCGTTGGTCAGG					
60241	60265	57911	60661	CDS product envelope glycoprotein B	60241-60265 4:01:01 GGTGCATTGGCTGTTGGACTGTTGG
62385	62410	61291	63057	CDS product capsid maturation protease	62385-62410 5:02:01
CCCCGAAATACCGCCTCCATTCTCC					
62932	62956	61291	63057	CDS product capsid maturation protease	62932-62956 5:02:01

GGTAAGGGGTTTTAGGCGTAAGG

63859	63873	63088	64827	CDS product DNA packaging tegument protein UL25
64984	65003	64891	65637	CDS product nuclear protein UL24
66480	66505	65663	66676	CDS product thymidine kinase
67396	67423	66849	69407	CDS product envelope glycoprotein H
67518	67539	66849	69407	CDS product envelope glycoprotein H
67754	67776	66849	69407	CDS product envelope glycoprotein H
69729	69753	69458	71059	CDS product tegument protein UL21
70889	70917	69458	71059	CDS product tegument protein UL21

CCGGGTCCCACGCCACGTACCACATGTCC

73180	73199	72198	76376	CDS product major capsid protein
73506	73527	72198	76376	CDS product major capsid protein
73907	73926	72198	76376	CDS product major capsid protein
81047	81063	80862	81944	CDS product tegument protein UL16
81406	81422	80862	81944	CDS product tegument protein UL16
81645	81661	80862	81944	CDS product tegument protein UL16
83651	83681	83181	83780	CDS product tegument protein UL14

CCCTCCCCGATTCCCCATGCTCCACCAACCC

85964	85987	85120	86649	CDS product deoxyribonuclease
86319	86343	85120	86649	CDS product deoxyribonuclease
86669	86688	86649	86897	CDS product myristylated tegument protein
87988	88027	86982	88274	CDS product envelope glycoprotein M

CCGGTGCCCCATATCCTTTATTTCGGCCCCACACCCCC

63859-63873 4:01:01 GGAGCCGGAGGTAGG

64984-65003 4:01:01 GGATTTGGATTTAAGGTTGG

66480-66505 5:02:01 GGATTTATGGAAATGGGGTATGGGGG

67396-67423 5:02:01 CCTGTTACCAACAAGACCCACCGCACCC

67518-67539 4:01:01 CCACCTTAAAAACCCACGTTCC

67754-67776 5:02:01 CCCCTGGACCCGACCCGGGACC

69729-69753 4:01:01 CCGGAACACCCAATAATCCAATTCC

70889-70917 5:02:01

73180-73199 4:01:01 GGCTTTGGTTATGGGTAAGG

73506-73527 4:01:01 CCCCTCCTGATAAACCGGATCC

73907-73926 4:01:01 CCAGGTCCCGAAAGACCTCC

81047-81063 4:01:01 CCATTTATTCTCCGCC

81406-81422 4:01:01 GGGAGTATGGTGGTCGG

81645-81661 4:01:01 GGAGAAAGCCGGGCGG

83651-83681 6:03:01

85964-85987 4:01:01 CCGTGCCAAATACCTATTTACCCC

86319-86343 5:02:01 CCCGTTTCGCCAATCCACGCCACC

86669-86688 4:01:01 GGCCGAGGAGGAATTTGTGG

87988-88027 7:04:01

88432	88454	88310	90760	CDS product DNA replication origin-binding helicase	88432-88454	4:01:01
CCTAATGATCCACAGTTCCGTCC						
90585	90607	88310	90760	CDS product DNA replication origin-binding helicase	90585-90607	4:01:01
GGAAGCACGGTTTATGGTTGCGG						
91971	91996	90877	93174	CDS product helicase-primase subunit	91971-91996	5:02:01
CCGTGGACCATTTCATCCACCCTTACC						
92966	92986	90877	93174	CDS product helicase-primase subunit	92966-92986	4:01:01
CCCCAGGGCCATCCCAAAGCC						
93453	93478	93243	94157	CDS product tegument protein UL7	93453-93478	5:02:01
GGCGGTGAGGATTTATTGGTGAATGG						
94276	94291	94048	96255	CDS product capsid portal protein	94276-94291	4:01:01
CCCCGCCGTTCCAACC						
100493	100511	100404	101306	CDS product uracil DNA glycosylase	100493-100511	4:01:01
GGAGAGAGGAGAGGGGTGG						
100744	100765	100404	101306	CDS product uracil DNA glycosylase	100744-100765	4:01:01
GGGTCGGTAAAGGCAAGTGGGG						
102960	102981	102915	104426	CDS product ubiquitin E3 ligase ICP0	102960-102981	4:01:01
CCCTGTTTCTACCGCGTCTCC						
103727	103747	102915	104426	CDS product ubiquitin E3 ligase ICP0	103727-103747	4:01:01
CCCATATCCATTTGCCTGTCC						
103776	103798	102915	104426	CDS product ubiquitin E3 ligase ICP0	103776-103798	4:01:01
GGTGGTTCCGTTGGAACACCAGG						
104262	104294	102915	104426	CDS product ubiquitin E3 ligase ICP0	104262-104294	5:02:01
GGACACTGGGCGCTTGTGGAAGTCCAGGTTTGG						
105826	105845	105265	109104	CDS product transcriptional regulator ICP4	105826-105845	4:01:01
GGCACGTCGGACGGTCTCGG						
105847	105870	105265	109104	CDS product transcriptional regulator ICP4	105847-105870	4:01:01
CCCGCGCTGCCGGGCCTGCGGCCC						

105858	105896	105265	109104	CDS product transcriptional regulator ICP4	105858-105896	6:03:01	
GGGCCTGCGGCCCTCGGGGAGGTAGACGGGTCGCAGGGG							
105956	105984	105265	109104	CDS product transcriptional regulator ICP4	105956-105984	7:04:01	
CCGCCGCCCCACGGCCAATCCCTGCGCC							
106211	106230	105265	109104	CDS product transcriptional regulator ICP4	106211-106230	4:01:01	
CCGCTCTTGCCAGACCGGCC							
106370	106390	105265	109104	CDS product transcriptional regulator ICP4	106370-106390	5:02:01	
GGCCGGCGGAGGCGAGCCTGG							
106483	106501	105265	109104	CDS product transcriptional regulator ICP4	106483-106501	4:01:01	
CCGCTCCAGTTACCGGCCC							
106759	106776	105265	109104	CDS product transcriptional regulator ICP4	106759-106776	4:01:01	
CCGCCGTGTCCCCTGGCC							
106806	106827	105265	109104	CDS product transcriptional regulator ICP4	106806-106827	5:02:01	
CCTTAACACCGCGCCGACGCC							
107104	107127	105265	109104	CDS product transcriptional regulator ICP4	107104-107127	5:02:01	
CCCGCCAGTCCGCTCCTCTCACCC							
107189	107209	105265	109104	CDS product transcriptional regulator ICP4	107189-107209	4:01:01	
CCGGGGCCGCTACCGCGGCC							
107245	107260	105265	109104	CDS product transcriptional regulator ICP4	107245-107260	4:01:01	GGGTAGGCCATGGTGG
107331	107353	105265	109104	CDS product transcriptional regulator ICP4	107331-107353	6:03:01	
GGCGGCGGCGCGTGTGGAAGGG							
107354	107376	105265	109104	CDS product transcriptional regulator ICP4	107354-107376	4:01:01	
CCCACAGAGCCTCTCCACGTGCC							

107681	107703	105265	109104	CDS product transcriptional regulator ICP4	107681-107703	5:02:01	
CCCCCGACGGTCCAAACCTCACC							
107969	108012	105265	109104	CDS product transcriptional regulator ICP4	107969-108012	7:04:01	
CCTCTTCCTTGCCCGTACCCGTCGCCTGCTTGCCCGTGTGTCC							
108180	108234	105265	109104	CDS product transcriptional regulator ICP4	108180-108234	9:06:02	
CCTGGGTCCGGGTTGCCCCCGGTGCGCCACAATCCCCGACCACACCGGTGTCC							
108419	108434	105265	109104	CDS product transcriptional regulator ICP4	108419-108434	4:01:01	CCGCCGATGTCTTCC
108547	108587	105265	109104	CDS product transcriptional regulator ICP4	108547-108587	7:04:01	
GGGGACCTTGGTGTGCGTGGATCGGTAGGTTCTGGGAAGG							
108607	108635	105265	109104	CDS product transcriptional regulator ICP4	108607-108635	4:01:01	
GGGGACCTCGGGGCCGTGGGTGCTTGG							
108770	108786	105265	109104	CDS product transcriptional regulator ICP4	108770-108786	4:01:01	
CCGGGGCCAAATCCACC							
110558	110579	110490	111275	CDS product regulatory protein ICP22	110558-110579	4:01:01	
GGAGCCCGGGAGTACGGCTCGG							
110703	110726	110490	111275	CDS product regulatory protein ICP22	110703-110726	4:01:01	
GGGCATCGGGACGGGTTACAAGG							
111512	111542	111497	112060	CDS product virion protein US10	111512-111542	5:02:01	
CCGAACCCGTCAACCCGGGTTCTGCTACCC							
111755	111772	111497	112060	CDS product virion protein US10	111755-111772	4:01:01	CCTTCCCTGCCGTGCGCC
114041	114060	112890	114071	CDS product serine/threonine protein kinase US3	114041-114060	4:01:01	
CCGGACCCATATCCCAACCC							
116871	116890	115583	117397	CDS product envelope glycoprotein E	116871-116890	4:01:01	GGAACCGGGTCCGGATTGG

117340 117370 115583 117397 CDS product envelope glycoprotein E	117340-117370 6:03:01
GGCGCGGAGTGCGGCGGGTCTGGATACACGG	
117777 117794 117491 118054 CDS product virion protein US10	117777-117794 4:01:01 GGCGCACGGCAGGAAGG
118007 118037 117491 118054 CDS product virion protein US10	118007-118037 5:02:01
GGGTAGCAGGAACCCGGGTTGACGGGTTTCGG	
118823 118846 118276 119061 CDS product regulatory protein ICP22	118823-118846 4:01:01
CCCTTGTAACCCGTCCCGATGCCC	
118970 118991 118276 119061 CDS product regulatory protein ICP22	118970-118991 4:01:01
CCGAGCCGTACTCCCGGGCTCC	
120763 120779 120447 124286 CDS product transcriptional regulator ICP4	120763-120779 4:01:01
GGTGGATTGGCCCCGG	
120914 120942 120447 124286 CDS product transcriptional regulator ICP4	120914-120942 4:01:01
CCAAGCGACCCACGGGCCCGAGGTCCCC	
120962 121002 120447 124286 CDS product transcriptional regulator ICP4	120962-121002 7:04:01
CCTTCCCAGAAACCTACCGATCCACGCACACCAAGGTCCCC	
121115 121130 120447 124286 CDS product transcriptional regulator ICP4	121115-121130 4:01:01 GGAAGGACATCGGCGG
121315 121369 120447 124286 CDS product transcriptional regulator ICP4	121315-121369 9:06:02
GGACACCGGTGTGGTCGGGGATTGTGGCGCACGCGGGGCGAACCCGGACCCAGG	
121537 121580 120447 124286 CDS product transcriptional regulator ICP4	121537-121580 7:04:01
GGACACACGGGACAAGCAGGCGACGGGTACGGGCAAGGAAGAGG	
121846 121868 120447 124286 CDS product transcriptional regulator ICP4	121846-121868 5:02:01
GGTGAGGTTTGGACCGTCGGGGG	
122173 122195 120447 124286 CDS product transcriptional regulator ICP4	122173-122195 4:01:01

GGCACGTGGAGAGGCTCTGTGGG							
122196	122218	120447	124286	CDS product transcriptional regulator ICP4	122196-122218	6:03:01	
CCCTTCCACACGCCGCCGCCG							
122289	122304	120447	124286	CDS product transcriptional regulator ICP4	122289-122304	4:01:01	CCACCATGGCCTACCC
122340	122360	120447	124286	CDS product transcriptional regulator ICP4	122340-122360	4:01:01	
GGGCCGCGGTAGCGGCCCGG							
122422	122445	120447	124286	CDS product transcriptional regulator ICP4	122422-122445	5:02:01	
GGGTGAGAGGAGCGGACTGGCGGG							
122722	122743	120447	124286	CDS product transcriptional regulator ICP4	122722-122743	5:02:01	
GGCGTGGCGGCCGGTGTTAAGG							
122773	122790	120447	124286	CDS product transcriptional regulator ICP4	122773-122790	4:01:01	
GGCCAGGGGACACGGCGG							
123048	123066	120447	124286	CDS product transcriptional regulator ICP4	123048-123066	4:01:01	
GGGCCGGTAACTGGAGCGG							
123159	123179	120447	124286	CDS product transcriptional regulator ICP4	123159-123179	5:02:01	
CCAGGCTCGCCTCCGCCGGCC							
123319	123338	120447	124286	CDS product transcriptional regulator ICP4	123319-123338	4:01:01	
GGCCGGTCTGGCAAGAGCGG							
123565	123593	120447	124286	CDS product transcriptional regulator ICP4	123565-123593	7:04:01	
GGCGCAGGGATTGGCCGTGGGGGCGGCGG							
123653	123691	120447	124286	CDS product transcriptional regulator ICP4	123653-123691	6:03:01	
CCCCTGCGACCCGTCTACCTCCCCGAGGGCCGAGGCCC							
123679	123702	120447	124286	CDS product transcriptional regulator ICP4	123679-123702	4:01:01	

GGGCCGCAGGCCCGGCAGCGCGG			
123704 123723 120447 124286 CDS product transcriptional regulator ICP4	123704-123723	4:01:01	
CCGAGACCGTCCGACGTGCC			
123799 123818 120447 124286 CDS product transcriptional regulator ICP4	123799-123818	4:01:01	
GGTAGCGGGGAGATCGGTGG			
123879 123900 120447 124286 CDS product transcriptional regulator ICP4	123879-123900	4:01:01	
GGCCACCGGGTTTCGGGAGCGG			
123910 123927 120447 124286 CDS product transcriptional regulator ICP4	123910-123927	5:02:01	
GGTGGAGATGGGGGATGG			
124045 124059 120447 124286 CDS product transcriptional regulator ICP4	124045-124059	4:01:01	GGGCGCGGGTGGCGG
124108 124132 120447 124286 CDS product transcriptional regulator ICP4	124108-124132	4:01:01	
CCGAGACCGCGGCGCCCGTCGCTCC			
124193 124221 120447 124286 CDS product transcriptional regulator ICP4	124193-124221	5:02:01	
GGGGTGTTTAGGACGGGCGCGCACGG			
gi 123318702 ref NC_005261.2 Bovine herpesvirus 5, complete genome			
732 778 598 1335 CDS product myristylated tegument protein CIRC	732-778	8:05:02	
CCCATGTACCACCACATGCGCCGCGGCCGCGGCCACACCACGCC			
794 819 598 1335 CDS product myristylated tegument protein CIRC	794-819	6:03:01	CCGCGCCTACGCCATCCTGCCCTGCC
870 896 598 1335 CDS product myristylated tegument protein CIRC	870-896	6:03:01	CCCGCCACTGGCCTGCACCGCCTCGCC
1000 1014 598 1335 CDS product myristylated tegument protein CIRC	1000-1014	4:01:01	CCACCCCGAGATCC
1025 1052 598 1335 CDS product myristylated tegument protein CIRC	1025-1052	6:03:01	
CCAGGCGGACCAGGCCTTCCCGCCGCC			

1097	1152	598	1335	CDS product myristylated tegument protein CIRC	1097-1152	11:08:02	
				CCCGCCACCCGCGCCTTCTGCCCCACCAGCTGGCCGAGGGCTCCATCCTGGACC			
1264	1295	598	1335	CDS product myristylated tegument protein CIRC	1264-1295	7:04:01	
				CCGACACCACGTCCGCCCCAGTCCCGGCACC			
1959	1977	1702	2913	CDS product multifunctional expression regulator	1959-1977	5:02:01	
				GGCTGGGCAGGTGGCGAGG			
2082	2137	1702	2913	CDS product multifunctional expression regulator	2082-2137	9:06:02	
				GGCGCCGCGCGTGGCCACGATGGGGTCCTTGGTGCGCAGGGGAGGTTCTTGGCGG			
2216	2235	1702	2913	CDS product multifunctional expression regulator	2216-2235	4:01:01	
				CCCGCAGCGCCCGCGCCGCC			
2267	2286	1702	2913	CDS product multifunctional expression regulator	2267-2286	4:01:01	
				GGTAGAGGTCGCGGCCGTGG			
2304	2326	1702	2913	CDS product multifunctional expression regulator	2304-2326	5:02:01	
				GGTGACGCGGCGGCCCTCGGGG			
2331	2362	1702	2913	CDS product multifunctional expression regulator	2331-2362	6:03:01	
				CCGCTCCGGGCCAAAGTCCAGCACGGCCGCC			
2456	2497	1702	2913	CDS product multifunctional expression regulator	2456-2497	7:04:01	
				CCGTGGCCCTCTGCGCCGCCTCGGCCATGCTCCGCGCGAGCC			
2519	2530	1702	2913	CDS product multifunctional expression regulator	2519-2530	4:01:01	GGGCGGAGGCGG
2567	2605	1702	2913	CDS product multifunctional expression regulator	2567-2605	9:06:02	
				CCGCCTCGCGCTCCGCCCGGGCCGCGAGCCCGCGCC			
2641	2656	1702	2913	CDS product multifunctional expression regulator	2641-2656	4:01:01	
				CCTCGCCCGCGCGCC			

2666	2705	1702	2913	CDS product multifunctional expression regulator	2666-2705	7:04:01	
CCCCCGCGCCAGGGGCGCCCCGGCGCCCCGTCCTCGCC							
2771	2784	1702	2913	CDS product multifunctional expression regulator	2771-2784	4:01:01	
CCCCTCCACCACC							
2797	2816	1702	2913	CDS product multifunctional expression regulator	2797-2816	4:01:01	
GGGGCCCGCGGGGGCGCGGG							
2819	2835	1702	2913	CDS product multifunctional expression regulator	2819-2835	4:01:01	
CCTTGTCCTCCCTCC							
3274	3317	3135	4130	CDS product envelope glycoprotein K	3274-3317	8:05:02	
CCTTCCTGATCCCGCTCTCGCCGTCGCCAGCGGCGCCGCCCCC							
3322	3341	3135	4130	CDS product envelope glycoprotein K	3322-3341	5:02:01	GGCGGCGGGGGCTTGCGG
3368	3386	3135	4130	CDS product envelope glycoprotein K	3368-3386	4:01:01	GGCGAAGCGGCGACGTGG
3406	3433	3135	4130	CDS product envelope glycoprotein K	3406-3433	4:01:01	GGTACATCGGGTACGCGCCGCGCAGGG
3442	3497	3135	4130	CDS product envelope glycoprotein K	3442-3497	11:08:02	
CCACGCCGACGCTGCCGGCCGCCGACCCGCGCGCCGAGCCGCGCCAGGCCCTCC							
3544	3567	3135	4130	CDS product envelope glycoprotein K	3544-3567	6:03:01	GGGGGTCGAGGCGGAAGTCGGCGG
3624	3642	3135	4130	CDS product envelope glycoprotein K	3624-3642	4:01:01	GGGCCGTGGCCGCCATGG
3627	3644	3135	4130	CDS product envelope glycoprotein K	3627-3644	4:01:01	CCGTGGCCGCCATGGCC
3683	3699	3135	4130	CDS product envelope glycoprotein K	3683-3699	4:01:01	GGGGCTGAGGAGGTCGG
3901	3918	3135	4130	CDS product envelope glycoprotein K	3901-3918	4:01:01	GGGCGTGGAGGCACGGGG
4108	4120	3135	4130	CDS product envelope glycoprotein K	4108-4120	4:01:01	CCGTCCGCCCCC
4151	4179	4105	7362	CDS product helicase-primase primase subunit	4151-4179	5:02:01	
GGTCCACGGTGAACACGGTCCCGAGGCGG							

4380	4410	4105	7362	CDS product helicase-primase primase subunit GGCGGCCACGAGGCGGGCGCCGGGCCCTGG	4380-4410	6:03:01
4494	4513	4105	7362	CDS product helicase-primase primase subunit GGCGCCGCGGTTGTCGGCGG	4494-4513	4:01:01
4562	4585	4105	7362	CDS product helicase-primase primase subunit GGAAGGCCGCGCGGTTGACGGCGG	4562-4585	5:02:01
4685	4726	4105	7362	CDS product helicase-primase primase subunit GGTGCGGGTCGCGGTGCGCGGCGACGAAGGCGGCCACGTCGG	4685-4726	7:04:01
4774	4796	4105	7362	CDS product helicase-primase primase subunit CCGCCCCGCGCGCCCGGCTTGCC	4774-4796	4:01:01
4865	4893	4105	7362	CDS product helicase-primase primase subunit GGTAGCGGCTCATGGCTCGGCGAAGGGG	4865-4893	5:02:01
4944	4992	4105	7362	CDS product helicase-primase primase subunit GGGGCCGCGGCAATGAGGTAGGGCGCCGGGACGGGCACGGCCACGCGG	4944-4992	8:05:02
5024	5066	4105	7362	CDS product helicase-primase primase subunit CCGCTAGGGCCGCGCGCCCGCGTCCTCGGCGCCAGCGCCCC	5024-5066	8:05:02
5068	5096	4105	7362	CDS product helicase-primase primase subunit GGCGGCTCGCCGGGCGGGCGTCCGCGGG	5068-5096	5:02:01
5193	5232	4105	7362	CDS product helicase-primase primase subunit GGACGGCGAGGCGCTGCCGGCGGGAGGGCGGCCGAGGGG	5193-5232	8:05:02
5256	5292	4105	7362	CDS product helicase-primase primase subunit GGGGTGCGGGGCCAGGCGTCGGCGGCGGCCTCGGGG	5256-5292	7:04:01
5351	5379	4105	7362	CDS product helicase-primase primase subunit	5351-5379	5:02:01

GGTCCCCGCGGGGATGGGGCGCCTAAGG

5406	5422	4105	7362	CDS product helicase-primase primase subunit	5406-5422	4:01:01	
GGTCACGGCGAGGCGGG							
5464	5480	4105	7362	CDS product helicase-primase primase subunit	5464-5480	4:01:01	
GGCGCGGGCGGGCCCGG							
5497	5513	4105	7362	CDS product helicase-primase primase subunit	5497-5513	4:01:01	
CCCCCGCCGCGCTGCC							
5534	5545	4105	7362	CDS product helicase-primase primase subunit	5534-5545	4:01:01	GGAGGAGGGCGG
5592	5608	4105	7362	CDS product helicase-primase primase subunit	5592-5608	4:01:01	
GGCAGCGGCGACGGCGG							
5609	5655	4105	7362	CDS product helicase-primase primase subunit	5609-5655	9:06:02	
CCGCGACCTCGGCCGCCACCTCCCCGGGTCCAGGGCGGCCACGTCC							
5694	5711	4105	7362	CDS product helicase-primase primase subunit	5694-5711	4:01:01	
GGCCTGGTGGCCGCGCGG							
5723	5746	4105	7362	CDS product helicase-primase primase subunit	5723-5746	4:01:01	
GGTAGACGGGCGCGGGCACC GCGG							
5741	5772	4105	7362	CDS product helicase-primase primase subunit	5741-5772	5:02:01	
CCGCGGTCCCGCGCGCGCCAAAAAGCCCGTCC							
5875	5906	4105	7362	CDS product helicase-primase primase subunit	5875-5906	6:03:01	
GGCGCGGGCGGCGGCGTCGGGGCCAGCGG							
5911	5937	4105	7362	CDS product helicase-primase primase subunit	5911-5937	6:03:01	
CCCGCGCGCGCGCGGCGTGCCGTCC							
6021	6063	4105	7362	CDS product helicase-primase primase subunit	6021-6063	7:04:01	

GGTGCGCCCGGGGGCCCGTCGGTCCTCGCGCGGGCGCCAGG							
6090	6124	4105	7362	CDS product helicase-primase primase subunit	6090-6124	6:03:01	
GGCCTCGGCCGTCGCGGGGGCAGCCGGGCGACGG							
6209	6220	4105	7362	CDS product helicase-primase primase subunit	6209-6220	4:01:01	GGAGGCGGGAGG
6230	6253	4105	7362	CDS product helicase-primase primase subunit	6230-6253	5:02:01	
GGCGCGGCGCAAGGGGGCGCCGG							
6264	6310	4105	7362	CDS product helicase-primase primase subunit	6264-6310	10:07:02	
GGCAGCGGCGGGGGCTCGGTGGCGGTGACGGCACGCAGGTGCTCGG							
6359	6381	4105	7362	CDS product helicase-primase primase subunit	6359-6381	4:01:01	
CCACGAACTCCGGGTCGGCCACC							
6386	6402	4105	7362	CDS product helicase-primase primase subunit	6386-6402	4:01:01	
GGCTGCGGCGGTCTGTGG							
6419	6438	4105	7362	CDS product helicase-primase primase subunit	6419-6438	4:01:01	
GGCAGCGGACCTCGGCGAGG							
6567	6603	4105	7362	CDS product helicase-primase primase subunit	6567-6603	7:04:01	
GGGGTTGGGCGGCGGCGACGGCGTACGTGGCCAGG							
6615	6660	4105	7362	CDS product helicase-primase primase subunit	6615-6660	8:05:02	
GGCCTGCAGGTCGTAGGTGGCGGCGTCGCCGGCGGCTCGGCCTGG							
6729	6748	4105	7362	CDS product helicase-primase primase subunit	6729-6748	4:01:01	
GGGGTTCGCGCCGGAGTTGG							
6804	6828	4105	7362	CDS product helicase-primase primase subunit	6804-6828	5:02:01	
GGCCAGGCCGCGGCGCCCGGCCGGG							
6806	6825	4105	7362	CDS product helicase-primase primase subunit	6806-6825	4:01:01	

CCAGGCCGCGGCGCCCGGCC							
7065	7105	4105	7362	CDS product helicase-primase primase subunit	7065-7105	7:04:01	
GGCGCAGGCAAAGACGGGCCAGGCGGGGCGCGCGCGG							
7111	7128	4105	7362	CDS product helicase-primase primase subunit	7111-7128	4:01:01	
CCGCCCCGCGGGCGCCCC							
7249	7271	4105	7362	CDS product helicase-primase primase subunit	7249-7271	5:02:01	
CCGCGCGCGGCTCCTCCTGGCC							
7373	7414	7361	8149	CDS product tegument protein UL51	7373-7414	9:06:02	
GGCTGGTTGGGTGGCTGTGCGGGCGTGGCGGGGCGCGCGG							
7476	7489	7361	8149	CDS product tegument protein UL51	7476-7489	5:02:01 GGAGGCGGTGGTGG	
7490	7514	7361	8149	CDS product tegument protein UL51	7490-7514	4:01:01 CCGTCAGCTCCTGCTGCCGCGCC	
7521	7560	7361	8149	CDS product tegument protein UL51	7521-7560	9:06:02	
GGTGGAGGACGTGGTGCGCTCGGCGGACGGCGCGCGCGG							
7743	7786	7361	8149	CDS product tegument protein UL51	7743-7786	8:05:02	
GGTGGGCGCCGTGGAGGGCACGACGGACAGCATGGTGGACCAGG							
7851	7874	7361	8149	CDS product tegument protein UL51	7851-7874	4:01:01 GGGCATCCGGGCGCAGGGCGCGGG	
7884	7905	7361	8149	CDS product tegument protein UL51	7884-7905	5:02:01 GGAGGCGAAGGCGAAGGCCGGG	
7914	7939	7361	8149	CDS product tegument protein UL51	7914-7939	5:02:01 GGCGGTCGCCGGTGCTGAAGGCCGGG	
7935	7996	7361	8149	CDS product tegument protein UL51	7935-7996	12:09:03	
CCGGGCCCCGCCCCCTGCCGCTGCAGCCGGCGGGCCTGCCTCCGGCCCCGGCCCCGGCCC							
8008	8051	7361	8149	CDS product tegument protein UL51	8008-8051	12:09:03	
CCCCCGGTCCCGCCCTGCCGCCGCCGCCACCGTTGCCGCG							
8105	8127	7361	8149	CDS product tegument protein UL51	8105-8127	6:03:01 CCGCCTCCTCCTCTACGCCCGCC	

8292	8318	8287	9252	CDS product deoxyuridine triphosphatase	8292-8318	4:01:01	
CCCGGTGGACCCGAAGCCGCGCGACCC							
8343	8361	8287	9252	CDS product deoxyuridine triphosphatase	8343-8361	4:01:01	GGCGAGGTCGGCGACGCGG
8372	8448	8287	9252	CDS product deoxyuridine triphosphatase	8372-8448	15:12:03	
GGCGCGGGGCGCCGGGGGCGGGCGGGCGGGGCTTGTCGGGAAGGGCTCGCGGTCGTTGAGGCTGGGCGGG							
8546	8580	8287	9252	CDS product deoxyuridine triphosphatase	8546-8580	7:04:01	
GGCAGGGCTCCCCAGGGGGCCAGGCTGTCGGCAGG							
8748	8771	8287	9252	CDS product deoxyuridine triphosphatase	8748-8771	4:01:01	GGGGGCGAACGTGGCAAAGAAGGG
8782	8805	8287	9252	CDS product deoxyuridine triphosphatase	8782-8805	7:04:01	CCCGCCTCCCACCCGGCCCCCGCC
8825	8842	8287	9252	CDS product deoxyuridine triphosphatase	8825-8842	4:01:01	GGCGGGGCACCGTGGCGG
8874	8896	8287	9252	CDS product deoxyuridine triphosphatase	8874-8896	4:01:01	CCCCCGCGGGGCCGGGCGCCC
8952	8972	8287	9252	CDS product deoxyuridine triphosphatase	8952-8972	5:02:01	GGCGGGCGGGCGGGCCCCGGG
9066	9086	8287	9252	CDS product deoxyuridine triphosphatase	9066-9086	4:01:01	CCGCCCCGCGGTGCCTCTCC
9098	9126	8287	9252	CDS product deoxyuridine triphosphatase	9098-9126	5:02:01	
CCGCCAGCGCAACCGGGCCCCAGAGCGCC							
9170	9180	8287	9252	CDS product deoxyuridine triphosphatase	9170-9180	4:01:01	CCTCCGCCGCC
9287	9321	9203	9490	CDS product envelope glycoprotein N	9287-9321	5:02:01	
GGCGCGAGGAAGCGATGGACTTCTGGAGCGCGGGG							
9471	9485	9203	9490	CDS product envelope glycoprotein N	9471-9485	4:01:01	GGTGCGGGGCGGGG
9625	9656	9624	10427	CDS product tegument protein VP22	9625-9656	5:02:01	
GGCCCCGTTCCACAGGTCCTCGGACGACGAGG							
9764	9790	9624	10427	CDS product tegument protein VP22	9764-9790	5:02:01	CCCGAGCCCAAGCCCAGGCCCGGGCCC
9780	9802	9624	10427	CDS product tegument protein VP22	9780-9802	4:01:01	GGCCCCGGGCCCCACGGGCGCCGG

9810	9844	9624	10427	CDS product tegument protein VP22	9810-9844	6:03:01	
CCCGCTCGTGCCCTGGCGCCGACCGCCCCGTCC							
9872	9896	9624	10427	CDS product tegument protein VP22	9872-9896	6:03:01	CCCGCCGCCGCGCGCCGCCCGCC
9922	9970	9624	10427	CDS product tegument protein VP22	9922-9970	9:06:02	
CCCGCCGCGGCCGCTCCCGCCCAACGCTCCCGCTACCAGGCAGGCC							
9981	9994	9624	10427	CDS product tegument protein VP22	9981-9994	4:01:01	CCTCCGGCGCCGCC
10005	10068	9624	10427	CDS product tegument protein VP22	10005-10068	14:11:03	
CCGCGCCCGTCCCGCCCCGAACCCGCGCGCCCCCGGCGCCGCCGTCGCGTCCGGCCGGCC							
10290	10309	9624	10427	CDS product tegument protein VP22	10290-10309	5:02:01	CCGGGCTCCTCGCCGCCGCC
10318	10357	9624	10427	CDS product tegument protein VP22	10318-10357	8:05:02	
CCTAGCCACGCGGGCCAGCGCCCCGCGCTCCGGCCCCC							
10351	10370	9624	10427	CDS product tegument protein VP22	10351-10370	4:01:01	GGCCCCGCGGGCGGCAGGG
10371	10384	9624	10427	CDS product tegument protein VP22	10371-10384	4:01:01	CCCCACGCCAGCC
10406	10420	9624	10427	CDS product tegument protein VP22	10406-10420	4:01:01	GGCGGGCGGGCCCGG
10689	10708	10620	12068	CDS product transactivating tegument protein VP16	10689-10708	4:01:01	
CCCCTGACGGTCCGTCCCCC							
10724	10750	10620	12068	CDS product transactivating tegument protein VP16	10724-10750	6:03:01	
CCGCCCCCGCGCCCGGCGCCCCTGGCC							
10809	10832	10620	12068	CDS product transactivating tegument protein VP16	10809-10832	5:02:01	
GGGCCATGGAGCGGTGGAACGAGG							
10927	10955	10620	12068	CDS product transactivating tegument protein VP16	10927-10955	5:02:01	
GGCGGTGCCTGGGGACGCGGAGCGCTTGG							
10975	10999	10620	12068	CDS product transactivating tegument protein VP16	10975-10999	6:03:01	

CCAGCCGCTTCCCGCACCGCCGGCC					
10996	11039	10620	12068	CDS product transactivating tegument protein VP16	10996-11039 8:05:02
GGCCTCGGAGGAGGGCCTCCCGAGTATGTGGCCGGCGTACAGG					
11134	11174	10620	12068	CDS product transactivating tegument protein VP16	11134-11174 8:05:02
GGCGGCGCGTGCCGAGGCGCGGCGGGCGGGCGCCAGG					
11187	11206	10620	12068	CDS product transactivating tegument protein VP16	11187-11206 5:02:01
GGCAGCTGGTGGCGGCGCGG					
11364	11380	10620	12068	CDS product transactivating tegument protein VP16	11364-11380 4:01:01
CCTGCCTGTTCCACCCC					
11396	11446	10620	12068	CDS product transactivating tegument protein VP16	11396-11446 10:07:02
GGCGTCGTGGCGCTGGAGGACGGCTTCTTGACGCGGCGGAGCTGCGGCGG					
11482	11528	10620	12068	CDS product transactivating tegument protein VP16	11482-11528 8:05:02
GGTCCGCGCGGGCTGGTCGAGGTTGAAGTGGGGCCTCTGGTGGAGG					
11611	11639	10620	12068	CDS product transactivating tegument protein VP16	11611-11639 7:04:01
GGCCGGCGGGCGGCTGGCGCCGAGCGGG					
11795	11833	10620	12068	CDS product transactivating tegument protein VP16	11795-11833 7:04:01
CCTTCAGCCAAGGGCGCCGCCCGGCGAGTTGCCGCC					
11904	11946	10620	12068	CDS product transactivating tegument protein VP16	11904-11946 7:04:01
CCTTGGCCTTAGCCGAGCCCGCGGCAGCCCTGGCCCCGGCCCC					
11958	12006	10620	12068	CDS product transactivating tegument protein VP16	11958-12006 8:05:02
CCCCAGCCGAGCCCGCGGCGGCCGTCGCCGGGCCAAGCCCGGCAAACCC					
12262	12285	12239	14464	CDS product tegument protein VP13/14	12262-12285 5:02:01 CCTGAGCGCCGCCCGCGCCGCTCC
12294	12334	12239	14464	CDS product tegument protein VP13/14	12294-12334 6:03:01

CCGCACGCACCCGTTCCAGCGCCCCTCTGCCCCGGCGGAGCC					
12378	12419	12239	14464	CDS product tegument protein VP13/14	12378-12419 7:04:01
CCCGCGGGTCCGGCGCCCGCGCCTGACTTCCAGCGGCCCCC					
12614	12642	12239	14464	CDS product tegument protein VP13/14	12614-12642 5:02:01
CCCACCTGCGCGCCATAGAGGCCCTGCCC					
12781	12807	12239	14464	CDS product tegument protein VP13/14	12781-12807 7:04:01
GGCGGCGGGGCGGCCAGGAACCCGGG					
12907	12922	12239	14464	CDS product tegument protein VP13/14	12907-12922 4:01:01 CCCCCGCTCCTCAGCC
12924	12967	12239	14464	CDS product tegument protein VP13/14	12924-12967 10:07:02
GGAGGCGGCCGCTGCGGCTGCGGGGAGAGGAGCGTGGTGGAGG					
13019	13041	12239	14464	CDS product tegument protein VP13/14	13019-13041 5:02:01 GGATTTTGAGGGCCGGGTGCGG
13121	13142	12239	14464	CDS product tegument protein VP13/14	13121-13142 4:01:01 GGCGCGCCTGGGAGATGGCCGG
13172	13189	12239	14464	CDS product tegument protein VP13/14	13172-13189 4:01:01 GGAGCACGGTGGACCCGG
13227	13254	12239	14464	CDS product tegument protein VP13/14	13227-13254 6:03:01
GGGCACCCGGCCCCGCTGGTGTGGCGG					
13289	13304	12239	14464	CDS product tegument protein VP13/14	13289-13304 5:02:01 GGCTGGGGGTGGGGGG
13409	13427	12239	14464	CDS product tegument protein VP13/14	13409-13427 4:01:01 GGCCGGGGCGCGGGGCGG
13449	13468	12239	14464	CDS product tegument protein VP13/14	13449-13468 5:02:01 GGCGCGGTTGGGCTGCTGG
13869	13885	12239	14464	CDS product tegument protein VP13/14	13869-13885 4:01:01 GGAGACGGTGGACTCGG
13886	13903	12239	14464	CDS product tegument protein VP13/14	13886-13903 4:01:01 CCACCTTCCAGGAGCCCC
13933	13956	12239	14464	CDS product tegument protein VP13/14	13933-13956 5:02:01 GGGGAGGCCTACGTGGCGGTGCGG
14101	14124	12239	14464	CDS product tegument protein VP13/14	14101-14124 5:02:01 GGCGCAGCGGTGTACGGGGGCCGG
14190	14224	12239	14464	CDS product tegument protein VP13/14	14190-14224 6:03:01

GGTGCGCCCGGTGTCCCTGGTGGAGTTCTGGGAGG					
14280	14302	12239	14464	CDS product tegument protein VP13/14	14280-14302 5:02:01 GGCCGGCAAGCGGCGGGTCATGG
14356	14376	12239	14464	CDS product tegument protein VP13/14	14356-14376 4:01:01 GGTTCGCGGCCGGTGCTTGGG
14385	14407	12239	14464	CDS product tegument protein VP13/14	14385-14407 5:02:01 GGACATCGCGGAGCGCTGGCGG
14670	14707	14597	16801	CDS product tegument protein VP11/12	14670-14707 6:03:01
GGACGCCACGGCCGCGGCCGTAGTGGCCCTGCAGGAGG					
14675	14698	14597	16801	CDS product tegument protein VP11/12	14675-14698 4:01:01 CCACGGCCGCGGCCGTAGTGGCCC
14790	14815	14597	16801	CDS product tegument protein VP11/12	14790-14815 5:02:01
GGAGGCGCTGTTCTGTCTCGACTCGG					
14867	14886	14597	16801	CDS product tegument protein VP11/12	14867-14886 4:01:01 GGGTGCTGGCGGGCGCGCGG
14974	15004	14597	16801	CDS product tegument protein VP11/12	14974-15004 7:04:01
GGCGCGGCCGCGCGCGCGATGGAGCAGG					
15090	15112	14597	16801	CDS product tegument protein VP11/12	15090-15112 4:01:01 GGCGTACAAGCCGCTGCGGCGG
15322	15341	14597	16801	CDS product tegument protein VP11/12	15322-15341 4:01:01 CCGCGCGAGCCGCGGCCGCC
15360	15377	14597	16801	CDS product tegument protein VP11/12	15360-15377 5:02:01 CCACCTGACCGCCGGCCC
15417	15439	14597	16801	CDS product tegument protein VP11/12	15417-15439 5:02:01 GGCCCTGACGGCGGCGGCTGG
15519	15541	14597	16801	CDS product tegument protein VP11/12	15519-15541 4:01:01 GGCCGCGGTCGAGCTGGCGTCGG
15542	15565	14597	16801	CDS product tegument protein VP11/12	15542-15565 5:02:01 CCGTGACCAACCTGCAGTACC
15676	15702	14597	16801	CDS product tegument protein VP11/12	15676-15702 6:03:01
CCGCTGATGCCAACCATGACCTCCGCC					
15707	15738	14597	16801	CDS product tegument protein VP11/12	15707-15738 6:03:01
GGGCGGCGCTGGAGCGGCACGCGAGCTGG					
15818	15850	14597	16801	CDS product tegument protein VP11/12	15818-15850 6:03:01

GGCTCGGCGGGAGCCGCGGGCTGCTGGCGCCGG					
15847	15923	14597	16801	CDS product tegument protein VP11/12	15847-15923 15:12:03
CCGGTGCGCCGCCGCGCGGCCCGCAGAGCCACGCGCCCCCTGCCAGCCCGCCGCGCGGCCACCCACC					
16067	16081	14597	16801	CDS product tegument protein VP11/12	16067-16081 5:02:01 GGCGGGAGGCGGCGG
16115	16134	14597	16801	CDS product tegument protein VP11/12	16115-16134 4:01:01 CCTCGTCCCCGCCCTTCGCC
16179	16201	14597	16801	CDS product tegument protein VP11/12	16179-16201 5:02:01 CCCCATGCCCGCCCCGCCGCCCC
16242	16264	14597	16801	CDS product tegument protein VP11/12	16242-16264 5:02:01 CCCCATGCCCGCCCCGCCGCCCC
16375	16396	14597	16801	CDS product tegument protein VP11/12	16375-16396 4:01:01 GGAGCCGAGCCGGGGACGGGG
16479	16545	14597	16801	CDS product tegument protein VP11/12	16479-16545 11:08:02
CCGGCCCCGCGCCCCGGCCCCGGCCCCGGCCCCGTGCACCGAGCGCCGGGCAACCCTACCCGGTCC					
16481	16507	14597	16801	CDS product tegument protein VP11/12	16481-16507 5:02:01
GGCCCCGCGCCCCGGCCCCGGCCCCGG					
16560	16594	14597	16801	CDS product tegument protein VP11/12	16560-16594 6:03:01
CCCGCGCCTCCGCGCCCTAGAGGACCCGCACGGCC					
16591	16616	14597	16801	CDS product tegument protein VP11/12	16591-16616 6:03:01
GGCCTGGAGGCGCTGGCGGCCGCCGG					
16610	16642	14597	16801	CDS product tegument protein VP11/12	16610-16642 6:03:01
CCGCCGGCGCGGCACACCGCGGCCACAACC					
16664	16683	14597	16801	CDS product tegument protein VP11/12	16664-16683 4:01:01 CCCGCGCCAGCGGGTCCTCC
16741	16759	14597	16801	CDS product tegument protein VP11/12	16741-16759 5:02:01 CCTCCACCTTCCCGCGCCC
17081	17103	17022	18482	CDS product envelope glycoprotein C	17081-17103 4:01:01 GGCGCCGAGCCCGAGGCGACGG
17159	17211	17022	18482	CDS product envelope glycoprotein C	17159-17211 9:06:02
GGCGGTGCGGAGAACTCGGGCAGCGGCCCGGTAGCCGGTGGCAGTGCAGG					

17414	17456	17022	18482	CDS product envelope glycoprotein C
GGGCGGGCGGTAGACGGCCGGCGTGGCAGCCGCGGCGAAGCGG				
17500	17521	17022	18482	CDS product envelope glycoprotein C
17638	17657	17022	18482	CDS product envelope glycoprotein C
17666	17682	17022	18482	CDS product envelope glycoprotein C
17683	17702	17022	18482	CDS product envelope glycoprotein C
17709	17741	17022	18482	CDS product envelope glycoprotein C
GGCCGGGGCTCGACGGAGACGGCGGGTGCGCGG				
17813	17873	17022	18482	CDS product envelope glycoprotein C
GGCTGCGGCGGTCAGGGAGCGCACGGTCAGGGGCAGGCTGCCGGGGTCGGCGGGCGAGGGG				
17945	17971	17022	18482	CDS product envelope glycoprotein C
18084	18108	17022	18482	CDS product envelope glycoprotein C
18188	18205	17022	18482	CDS product envelope glycoprotein C
18243	18277	17022	18482	CDS product envelope glycoprotein C
GGCGTGGCCGGGGGGCTGTGGGAAGGAGCTGTGGG				
18317	18349	17022	18482	CDS product envelope glycoprotein C
GGCCGGGGTTGGGGAGGGCGGGCTTGGGGAGGG				
18360	18384	17022	18482	CDS product envelope glycoprotein C
18385	18401	17022	18482	CDS product envelope glycoprotein C
18729	18755	18671	19813	CDS product envelope protein UL43
18764	18785	18671	19813	CDS product envelope protein UL43
18795	18829	18671	19813	CDS product envelope protein UL43
CCACCAGCGCGCCCGCGGTGGCCGAGGCCAGGGCC				

17414-17456	8:05:02
17500-17521	6:03:01 GGTGCGGGGTGGGCGGTTGG
17638-17657	4:01:01 GGCGCGTGGAGCGCGGCGGG
17666-17682	4:01:01 GGCGGCGCGGCACACGG
17683-17702	4:01:01 CCGCGTAGCCGGCGCCCTCC
17709-17741	6:03:01
17813-17873	11:08:02
17945-17971	5:02:01 GGGCGGGCGCGCGGAAGGGTTGGG
18084-18108	5:02:01 GGCTCGGCATACGGGGCGGCCACGG
18188-18205	5:02:01 GGCGGGCGCGCGCCGG
18243-18277	7:04:01
18317-18349	7:04:01
18360-18384	6:03:01 GGCGGGGCAAGGGCGAGGGCGAGG
18385-18401	4:01:01 CCTCGCCCTCCGCTTCC
18729-18755	5:02:01 CCTTGGCCACGTGCGCCGCGCCAGCC
18764-18785	4:01:01 CCGCGCCCGCGCGCCGACCC
18795-18829	6:03:01

18811	18834	18671	19813	CDS product envelope protein UL43
18839	18852	18671	19813	CDS product envelope protein UL43
19009	19032	18671	19813	CDS product envelope protein UL43
19043	19072	18671	19813	CDS product envelope protein UL43
CCCGGGGCCAGAGCGCCGCCGCGCGGCC				
19066	19082	18671	19813	CDS product envelope protein UL43
19156	19173	18671	19813	CDS product envelope protein UL43
19191	19214	18671	19813	CDS product envelope protein UL43
19252	19268	18671	19813	CDS product envelope protein UL43
19292	19344	18671	19813	CDS product envelope protein UL43
CCCGCGGCCAGCGCCTCGGGCCGCGCCCCAGCGCCGCCGAGAGGCC				
19450	19469	18671	19813	CDS product envelope protein UL43
19458	19482	18671	19813	CDS product envelope protein UL43
19492	19520	18671	19813	CDS product envelope protein UL43
GGCAGCGCGGGGCCCGCGGCCAGACGG				
19626	19642	18671	19813	CDS product envelope protein UL43
19686	19707	18671	19813	CDS product envelope protein UL43
19760	19796	18671	19813	CDS product envelope protein UL43
CCGCAGCCGGCCTTCGTTCCCGCGCAGCCGCTACCC				
21602	21626	21358	22722	CDS product tegument host shutoff protein
GGACCGCGGCATCCACGGGGACCGG				
21605	21632	21358	22722	CDS product tegument host shutoff protein
CCGCGGCATCCACGGGGACCGGCGGCC				

18811-18834	5:02:01	GGTGGCCGAGGCCAGGGCCGCGGG
18839-18852	4:01:01	CCGCCCTCCGCGCC
19009-19032	5:02:01	CCAGCGCCCGCGCCCTCAGCCCC
19043-19072	5:02:01	
19066-19082	4:01:01	GGCGGCCAGGGCAACGG
19156-19173	4:01:01	GGGGTCGGCGGGCAGGG
19191-19214	4:01:01	CCAGGGTCCGAGCGCCGCATACC
19252-19268	4:01:01	GGCGGCGTCCGCGCGG
19292-19344	9:06:02	
19450-19469	4:01:01	GGCGTAGGCCGCGCCGCGG
19458-19482	4:01:01	CCGCGGCCGCGCCGTCAGCGCCCC
19492-19520	5:02:01	
19626-19642	4:01:01	CCGCTGCCGCGGCCGCC
19686-19707	5:02:01	CCAGCGCCCGCCGTCAGGCC
19760-19796	6:03:01	
21602-21626	4:01:01	
21605-21632	4:01:01	

21678	21701	21358	22722	CDS product tegument host shutoff protein	21678-21701 5:02:01
GGCGGCTCAGGCCGCTCGGGCGG					
21725	21742	21358	22722	CDS product tegument host shutoff protein	21725-21742 4:01:01 GGAGGACGAGGTGCTGGG
21770	21784	21358	22722	CDS product tegument host shutoff protein	21770-21784 4:01:01 GGACGCGGCGGCCGG
21795	21816	21358	22722	CDS product tegument host shutoff protein	21795-21816 6:03:01
GGCGGGGAGGAGGCGCGAGGG					
21836	21852	21358	22722	CDS product tegument host shutoff protein	21836-21852 4:01:01 GGCGGGGCGCGCGGG
22136	22159	21358	22722	CDS product tegument host shutoff protein	22136-22159 5:02:01
CCACACGGACCTGCACCAGCCGCC					
22172	22199	21358	22722	CDS product tegument host shutoff protein	22172-22199 6:03:01
GGTGCAGCAGGTGGTGCGGGGGCTGCGG					
22204	22232	21358	22722	CDS product tegument host shutoff protein	22204-22232 6:03:01
CCGCCGCGCCGAGCCCGCACCACAC					
22235	22249	21358	22722	CDS product tegument host shutoff protein	22235-22249 4:01:01 GGCGGAGGAGTCCGG
22269	22289	21358	22722	CDS product tegument host shutoff protein	22269-22289 4:01:01
CCGCGGCCCCGGCTGCCGCC					
22631	22652	21358	22722	CDS product tegument host shutoff protein	22631-22652 5:02:01
CCCCACCCGCCCCCTTCGCC					
22672	22710	21358	22722	CDS product tegument host shutoff protein	22672-22710 7:04:01
GGGACGAGGCCTCCGCGGGCCGGGCGCGGCGGCCG					
22681	22716	21358	22722	CDS product tegument host shutoff protein	22681-22716 7:04:01
CCTCCGCGGGCCGGGCGCGGCGGCGGCCGCC					
22926	22958	22847	23794	CDS product ribonucleotide reductase subunit 2	22926-22958 6:03:01

GGGCCAGAGGAAAATCGGTCCCAGGAGGCGGGG					
22970	22981	22847	23794	CDS product ribonucleotide reductase subunit 2	22970-22981 4:01:01 GGAGGCAGGTGG
23202	23224	22847	23794	CDS product ribonucleotide reductase subunit 2	23202-23224 4:01:01
GGCTGATGAGGTCGTTGGTTTGG					
23241	23261	22847	23794	CDS product ribonucleotide reductase subunit 2	23241-23261 4:01:01
GGTTGTGGGTGCGCAGGTAGG					
23328	23386	22847	23794	CDS product ribonucleotide reductase subunit 2	23328-23386 10:07:02
CCACCGACTCGGCCGCGGCCACGCGCGCTCGAGCCAGTCCACCTTGCGCCGGACTGCC					
23403	23428	22847	23794	CDS product ribonucleotide reductase subunit 2	23403-23428 5:02:01
CCTCCACGTAGCCCGCGCGCGCCACC					
23571	23590	22847	23794	CDS product ribonucleotide reductase subunit 2	23571-23590 4:01:01
GGTCATCGGCGGCCGAGAGG					
23627	23647	22847	23794	CDS product ribonucleotide reductase subunit 2	23627-23647 4:01:01
CCGCTGAGCCGCGCCACGTCC					
24018	24056	23814	26216	CDS product ribonucleotide reductase subunit 1	24018-24056 6:03:01
GGGGCGGGTCGGCGCAGAGGTCGATCAGGCGCTCCTGG					
24083	24107	23814	26216	CDS product ribonucleotide reductase subunit 1	24083-24107 4:01:01
GGCCAGCGGGTGCCCGGGCGCGAGG					
24285	24305	23814	26216	CDS product ribonucleotide reductase subunit 1	24285-24305 4:01:01
CCCTCGCTGCCCTCCGTCACC					
24314	24333	23814	26216	CDS product ribonucleotide reductase subunit 1	24314-24333 4:01:01
GGACACGGTCGGCATGAGGG					
24506	24543	23814	26216	CDS product ribonucleotide reductase subunit 1	24506-24543 7:04:01

GGCGCTGGTGGCCATGACGGCCAGGAGCAGGCGCTCGG					
24716	24747	23814	26216	CDS product ribonucleotide reductase subunit 1	24716-24747 7:04:01
GGCGGCGGTGGCGGCCCGCGTGGACAGCGCGG					
25006	25035	23814	26216	CDS product ribonucleotide reductase subunit 1	25006-25035 5:02:01
CCTCGACGCCCAGCCCCCTCGCGCTCCAGCC					
25072	25091	23814	26216	CDS product ribonucleotide reductase subunit 1	25072-25091 4:01:01
GGCTGAGGTGCGAGGCGCGG					
25132	25148	23814	26216	CDS product ribonucleotide reductase subunit 1	25132-25148 4:01:01
GGTAGCGAGGTAGCGG					
25456	25469	23814	26216	CDS product ribonucleotide reductase subunit 1	25456-25469 4:01:01 CCTCCACGGCCTCC
25640	25665	23814	26216	CDS product ribonucleotide reductase subunit 1	25640-25665 4:01:01
CCCGAAGGCCGGCTCCCGCATCGTCC					
25704	25726	23814	26216	CDS product ribonucleotide reductase subunit 1	25704-25726 4:01:01
CCCATGGACTCCAGCGCCCCGCC					
26036	26079	23814	26216	CDS product ribonucleotide reductase subunit 1	26036-26079 12:09:03
GGCGCGGGAGGGCTGGGAGGCGGCGGGCGGCGGCGGCACGG					
26082	26105	23814	26216	CDS product ribonucleotide reductase subunit 1	26082-26105 5:02:01
CCGCAGCCCAGCCGCGCCCACTCC					
26138	26151	23814	26216	CDS product ribonucleotide reductase subunit 1	26138-26151 4:01:01 GGCCGGGCAGGCGG
26594	26632	26581	28014	CDS product capsid triplex subunit 1	26594-26632 8:05:02
CCACCCAGTCCCCGGCCCCCACACCAGGCCCTCGATCC					
26744	26768	26581	28014	CDS product capsid triplex subunit 1	26744-26768 5:02:01
GGGTGGGCCCGCGGGCGGCGCTCGG					

26820	26841	26581	28014	CDS product capsid triplex subunit 1
26873	26914	26581	28014	CDS product capsid triplex subunit 1
CCGCGGCCCCGTCCGCCCCCGCTCCTCGCCCGCCGTCCCC				
27114	27153	26581	28014	CDS product capsid triplex subunit 1
GGCCGGCACGTGGGCGGTGGAGCGGGTGTGCGGCCTGG				
27234	27256	26581	28014	CDS product capsid triplex subunit 1
27257	27298	26581	28014	CDS product capsid triplex subunit 1
GGTGCGGGAACGCGTGGCAGCGGATCATGGCCTGCAGGCAGG				
27416	27439	26581	28014	CDS product capsid triplex subunit 1
27440	27468	26581	28014	CDS product capsid triplex subunit 1
CCCGCAGCCCCCGGGCGCCGCGCCGCC				
27528	27547	26581	28014	CDS product capsid triplex subunit 1
27673	27698	26581	28014	CDS product capsid triplex subunit 1
GGCGAAAGGACGGCGCGCCGGCGGG				
27752	27772	26581	28014	CDS product capsid triplex subunit 1
27808	27855	26581	28014	CDS product capsid triplex subunit 1
CCCCGGGGCGCCCGCCGCGGGCCCCGCTGCCCCAGGAGCCGCCACC				
27873	27901	26581	28014	CDS product capsid triplex subunit 1
GGCGGCCCGCCGCGCGGAAGCGGCGCCGG				
27934	27951	26581	28014	CDS product capsid triplex subunit 1
28342	28359	28300	31464	CDS product tegument protein UL37
28360	28376	28300	31464	CDS product tegument protein UL37
28385	28398	28300	31464	CDS product tegument protein UL37

26820-26841	4:01:01	GGGGCAGCGGTAGGCCGCGCGG
26873-26914	11:08:02	
27114-27153	7:04:01	
27234-27256	4:01:01	CCCGCCAGGCACCCAAACGCC
27257-27298	7:04:01	
27416-27439	5:02:01	GGAAGGAAAAGGCCACGAGGGAGG
27440-27468	6:03:01	
27528-27547	6:03:01	GGGGGCGCGGTGGCGGCGG
27673-27698	6:03:01	
27752-27772	4:01:01	GGATGGTCACGGTCGCGTCGG
27808-27855	9:06:02	
27873-27901	6:03:01	
27934-27951	4:01:01	GGCGACGCGGCGGCCGGG
28342-28359	4:01:01	GGCTGGACGGCGACGCGG
28360-28376	4:01:01	CCGCCGACCCGCGGCC
28385-28398	4:01:01	GGAGGCCAGGCGG

28582 28616 28300 31464 CDS product tegument protein UL37
 CCGCCGCCCTCATGGCCGGCGTCCGGGACCTGGCC
 28595 28621 28300 31464 CDS product tegument protein UL37
 28634 28664 28300 31464 CDS product tegument protein UL37
 GCGCGCGCTGGGCTACCTGGCGGCCGCGCGG
 28676 28692 28300 31464 CDS product tegument protein UL37
 28709 28721 28300 31464 CDS product tegument protein UL37
 28754 28780 28300 31464 CDS product tegument protein UL37
 28781 28804 28300 31464 CDS product tegument protein UL37
 28915 28943 28300 31464 CDS product tegument protein UL37
 GGAAGGTGCCCATGGCTGCCGTGGCGCGG
 28948 28977 28300 31464 CDS product tegument protein UL37
 CCGCGGACGCCGCGGCGCCCGCTGGCCC
 29045 29067 28300 31464 CDS product tegument protein UL37
 29093 29115 28300 31464 CDS product tegument protein UL37
 29289 29337 28300 31464 CDS product tegument protein UL37
 GCGCGGTGGCGCGGCTGCTGGAGCGCGGGCGCGGACGCGGGCAGGG
 29351 29397 28300 31464 CDS product tegument protein UL37
 GGCGGCGGCCCTGGCGCGGGTCGCGGAGCACGCGGCGGCCGTCTGGG
 29423 29456 28300 31464 CDS product tegument protein UL37
 GGACCAGCCCGTGGAGACGCTGGCCGCGGCGGGG
 29513 29535 28300 31464 CDS product tegument protein UL37
 29552 29581 28300 31464 CDS product tegument protein UL37

28582-28616 7:04:01
 28595-28621 5:02:01 GGCCGGCGTCCGGGACCTGGCCAACGG
 28634-28664 5:02:01
 28676-28692 4:01:01 GCGGCGTTCCGCCCCG
 28709-28721 4:01:01 GGTGGTGGAGTGG
 28754-28780 4:01:01 GGACGCGCGTGCCTGGGCGTGCTGGG
 28781-28804 4:01:01 CCCCAGCCCCGCGCCCCGCTCGCC
 28915-28943 5:02:01
 28948-28977 5:02:01
 29045-29067 5:02:01 GGGGCTGGCGGAGGCCTTCGCGG
 29093-29115 4:01:01 GGCGCTGGTGCCCGTGGGCGAGG
 29289-29337 9:06:02
 29351-29397 9:06:02
 29423-29456 6:03:01
 29513-29535 4:01:01 CCCGAGCCGCGGCCGCGCGCC
 29552-29581 8:05:02

GGCGGTGGGCTGCGTGGCGGTGGCGGGCGG					
29780	29824	28300	31464	CDS product tegument protein UL37	29780-29824 7:04:01
GGCACTCGTGCCGAGGCCGCGCGCGGACAAGCGGGCCGCGG					
29836	29892	28300	31464	CDS product tegument protein UL37	29836-29892 13:10:03
GGGCGGCCGCGAGGGCGGCGGCGGACCGGGCAGAGGCGGCGGCGCCGCTAGGG					
29956	29969	28300	31464	CDS product tegument protein UL37	29956-29969 4:01:01 CCCCCCGCGGCC
30096	30146	28300	31464	CDS product tegument protein UL37	30096-30146 8:05:02
CCCCTGCCGTCCTGCGGGACCGGCCTTCGCGCCCTACTTCGCCGCTGCC					
30229	30278	28300	31464	CDS product tegument protein UL37	30229-30278 9:06:02
GGGCGCGGACTGCGGTGCCGGGCGGTGGCCAACGTGGACGGCTACCGG					
30290	30311	28300	31464	CDS product tegument protein UL37	30290-30311 5:02:01 GGCCCTGGCGGCCGGGCTCTGG
30392	30411	28300	31464	CDS product tegument protein UL37	30392-30411 5:02:01 GGCGCCGTGGCCGCGGCGG
30434	30454	28300	31464	CDS product tegument protein UL37	30434-30454 4:01:01 CCCGCCGTGCCGCGCGCCC
30547	30581	28300	31464	CDS product tegument protein UL37	30547-30581 7:04:01
CCGCCTCCATGGCCGCGGCCGTGGGCGCCGTCGCC					
30582	30603	28300	31464	CDS product tegument protein UL37	30582-30603 6:03:01 GGCGCGGTGGCGGGCTGGGGG
30650	30670	28300	31464	CDS product tegument protein UL37	30650-30670 4:01:01 GGCGGTGTACGCGCGCGTGG
30686	30727	28300	31464	CDS product tegument protein UL37	30686-30727 7:04:01
GGGCACGTGGCGCTCGGCGGACCTGGCCGACGCGGTGCGCGG					
30812	30837	28300	31464	CDS product tegument protein UL37	30812-30837 4:01:01 GGCGCTGCAGGAGTGCAGAGCCGCGG
30832	30850	28300	31464	CDS product tegument protein UL37	30832-30850 4:01:01 CCGCGGACGCCGCCCGCC
30852	30864	28300	31464	CDS product tegument protein UL37	30852-30864 4:01:01 GGCGGCGGGCTGG
30887	30940	28300	31464	CDS product tegument protein UL37	30887-30940 9:06:02

GGCGGGCCACTCGGCGCTGGTGGGGCGCAGACGGCGCTGGCGCTGGCCGCCGG					
30950	30971	28300	31464	CDS product tegument protein UL37	30950-30971 5:02:01 GGCGGGCGCGGAGGCGCCGGG
31081	31113	28300	31464	CDS product tegument protein UL37	31081-31113 6:03:01
GGCTCCGCGGCGTCTGGGACGAGGTCCAGGAGG					
31124	31140	28300	31464	CDS product tegument protein UL37	31124-31140 4:01:01 GGCGGCCCCGGGGCCGG
31172	31242	28300	31464	CDS product tegument protein UL37	31172-31242 11:08:02
GGAGGCGGTGCTGGCGCTGCTGGAGGGCTACTCGGAAGTCCAGGGCGACGAGGGAGCCCGGCGCTCTTG					
31253	31285	28300	31464	CDS product tegument protein UL37	31253-31285 6:03:01
GGACGTGGCCGACTGGGCGGGCGTGACCGCGG					
31320	31339	28300	31464	CDS product tegument protein UL37	31320-31339 5:02:01 GGCGGCAACGGCGACGGCGG
31349	31382	28300	31464	CDS product tegument protein UL37	31349-31382 9:06:02
GGCGGCGGGGCGGACGCGGCGGGGGCCGTGG					
31649	31674	31564	41178	CDS product large tegument protein	31649-31674 5:02:01 GGCGCTAGGGCCGGGACGCGGTTGG
31705	31723	31564	41178	CDS product large tegument protein	31705-31723 4:01:01 GGCTGGCCTTCGCGGGCGG
31769	31785	31564	41178	CDS product large tegument protein	31769-31785 4:01:01 GGAGGGCGCGGCGTGGG
31829	31851	31564	41178	CDS product large tegument protein	31829-31851 5:02:01 CCTGCCCAACCGCATCGCCGACC
31852	31871	31564	41178	CDS product large tegument protein	31852-31871 4:01:01 GGCGGACGCGGACAGCGGG
32003	32035	31564	41178	CDS product large tegument protein	32003-32035 5:02:01
GGCGCTGGTGATCGTGGGCGCCATGGGCGTGGG					
32176	32193	31564	41178	CDS product large tegument protein	32176-32193 4:01:01 GGTGGGCGGGCGCGCTGG
32360	32397	31564	41178	CDS product large tegument protein	32360-32397 8:05:02
GGCCGTGGCGGTGGGCGGCGCGGGGCGGAGTGCGAGG					
32414	32446	31564	41178	CDS product large tegument protein	32414-32446 6:03:01

CCCGGGCTCGCCGGCGCTGCCGCCCGCCGAGCC					
32474	32507	31564	41178	CDS product large tegument protein	32474-32507 6:03:01
GGCCGCGGCCGCGGCCCGCGCGGGAAAGCGG					
32521	32540	31564	41178	CDS product large tegument protein	32521-32540 5:02:01 GGCGGCGCGGGCCCCGTGG
32533	32565	31564	41178	CDS product large tegument protein	32533-32565 5:02:01
CCCCGTGGACGCCGCCCTCGAGCCGCGAGGACC					
32608	32634	31564	41178	CDS product large tegument protein	32608-32634 6:03:01 GGAAGGTCCGGGGCGCGGAGTCGGCGG
32643	32682	31564	41178	CDS product large tegument protein	32643-32682 9:06:02
GGGGAGGGCTGGGGAGGGGCGGGGTGGGAGCGGGAGAGG					
32686	32711	31564	41178	CDS product large tegument protein	32686-32711 6:03:01 CCGCCCTGGCGCCCCGACCGCCGCC
32717	32736	31564	41178	CDS product large tegument protein	32717-32736 5:02:01 GGGCGCCGGGCGGGGGAGG
32747	32767	31564	41178	CDS product large tegument protein	32747-32767 4:01:01 GGCTGCGCGCGGAGCTTGG
32792	32823	31564	41178	CDS product large tegument protein	32792-32823 6:03:01
GGCCCTGGAGGGCGTCCGGGCGCACGCGGCGG					
32988	33004	31564	41178	CDS product large tegument protein	32988-33004 4:01:01 CCCTCGGCCGTCCAGCC
33012	33027	31564	41178	CDS product large tegument protein	33012-33027 4:01:01 GGGGCGGTGGCCCAGG
33072	33093	31564	41178	CDS product large tegument protein	33072-33093 4:01:01 GGGATGGTGCTCGAGGGGCTGG
33106	33117	31564	41178	CDS product large tegument protein	33106-33117 4:01:01 GGCTGGCGGAGG
33181	33197	31564	41178	CDS product large tegument protein	33181-33197 4:01:01 CCGCCGTGCGGCCGCC
33221	33271	31564	41178	CDS product large tegument protein	33221-33271 10:07:02
GGACGAGCTGGAGGGCGAGGTGGACGGCGCCCGCGGCGGCGACGCGG					
33317	33333	31564	41178	CDS product large tegument protein	33317-33333 4:01:01 CCTCTGGCCTCCGGCC
33323	33338	31564	41178	CDS product large tegument protein	33323-33338 4:01:01 GGCCTCCGGCCGCGG

33415	33443	31564	41178	CDS product large tegument protein	33415-33443 5:02:01
CCTGCGAGGCCCGCGCAGCCGCCGAGACC					
33467	33483	31564	41178	CDS product large tegument protein	33467-33483 4:01:01 GGCCTGGAGGGCACGG
33503	33529	31564	41178	CDS product large tegument protein	33503-33529 5:02:01 CCTGGACGCCGTCCGCCCGACACCC
33536	33570	31564	41178	CDS product large tegument protein	33536-33570 7:04:01
GGCGCCCGCGGACGGCGCGGTGGCCGACCTGGCGG					
33613	33629	31564	41178	CDS product large tegument protein	33613-33629 5:02:01 CCGCCGCCCTGTCCGCC
33794	33817	31564	41178	CDS product large tegument protein	33794-33817 6:03:01 GCGGCGCGGGTGGCCCGGCTTGG
33822	33850	31564	41178	CDS product large tegument protein	33822-33850 7:04:01
CCGCCCCGGCGGCCGCCGCCGCCGCCGCC					
33890	33906	31564	41178	CDS product large tegument protein	33890-33906 4:01:01 GCGGCGGGCGCAACGG
33921	33939	31564	41178	CDS product large tegument protein	33921-33939 4:01:01 GGCTCGCGGCCTGGGTGG
33953	33967	31564	41178	CDS product large tegument protein	33953-33967 4:01:01 GGCGCAGGCGGAGGG
34023	34062	31564	41178	CDS product large tegument protein	34023-34062 6:03:01
GGGCGCTCGGCTCGCGGGCGTCGCTGGAGGCTAGCATGG					
34081	34112	31564	41178	CDS product large tegument protein	34081-34112 8:05:02
CCGCCCGCGCTCCCGCGCTGCCGCCGCGGCC					
34128	34191	31564	41178	CDS product large tegument protein	34128-34191 14:11:03
GGCGCGGGCGGGCGGCACGGGGCCCCTGGGCCCCGGGGCCGAGGAGCGGCGGATGCCGCGG					
34186	34211	31564	41178	CDS product large tegument protein	34186-34211 5:02:01 CCGCGGACGCCCGCTCCGCGGCGCC
34232	34257	31564	41178	CDS product large tegument protein	34232-34257 5:02:01 GGACGCCCTGGCGACGGGCGGCGCGG
34283	34362	31564	41178	CDS product large tegument protein	34283-34362 15:12:03
GGCCGCGGCCCGCGCGGAGCTGGAGGCGCAGCGGCCGCGCGGCGCGCGCGCGGAGCTGGGGAGCGGCGCGCGG					

34424	34445	31564	41178	CDS product large tegument protein	34424-34445	4:01:01	GGCACCCGGCGCGCTGGAGCGG
34454	34479	31564	41178	CDS product large tegument protein	34454-34479	6:03:01	GGACGCGGGCGCGCGGACGGCGGAGG
34523	34544	31564	41178	CDS product large tegument protein	34523-34544	4:01:01	GGGCGTGCAGGACCGGCTGTGG
34568	34642	31564	41178	CDS product large tegument protein	34568-34642	13:10:03	
GGCGCTGGAGAACCCGGGCGCGCTGGCGCCGGGGCGCTGGCCGGGCTGGGCCCGGCCTTCGCGGCGGTGCTGGG							
34652	34674	31564	41178	CDS product large tegument protein	34652-34674	4:01:01	GGGACAGGCGCTGGGCCCTGCGG
34730	34755	31564	41178	CDS product large tegument protein	34730-34755	5:02:01	GGCGGCGGAGCCCGCGGCGCCCGCGG
34740	34763	31564	41178	CDS product large tegument protein	34740-34763	5:02:01	CCCGCGGCGCCCGCGGCCCGCGC
34790	34820	31564	41178	CDS product large tegument protein	34790-34820	6:03:01	
GGCGGAGGCGCTGCGGGCCAGGGCGCGGGG							
34823	34842	31564	41178	CDS product large tegument protein	34823-34842	4:01:01	CCCGCCGAGTTCGCCTTCC
34890	34906	31564	41178	CDS product large tegument protein	34890-34906	4:01:01	GGCGCGGCGGCTGGG
34919	34939	31564	41178	CDS product large tegument protein	34919-34939	4:01:01	GGCCGTGGGCGAGGCCTCGGG
34979	35070	31564	41178	CDS product large tegument protein	34979-35070	18:15:04	
GGCGGCGGGCGCGGACGCGGCGGAGACGGCGGCAGCGACGCGCGGACGCGGCGCTGGGCGCGCGGAGGAGGTGCTGCGGGCCGCGG							
35081	35124	31564	41178	CDS product large tegument protein	35081-35124	9:06:02	
GGCCGAGGCCGCTGGCGGCGAGGACGCGGAAGGCGCGGGCGAGG							
35135	35148	31564	41178	CDS product large tegument protein	35135-35148	4:01:01	GGACGGCGAGGCGG
35152	35170	31564	41178	CDS product large tegument protein	35152-35170	4:01:01	CCGCCGGGCGCCTGGGGCC
35157	35178	31564	41178	CDS product large tegument protein	35157-35178	4:01:01	GGGCGCCTGGGGCCGAGGCGG
35204	35225	31564	41178	CDS product large tegument protein	35204-35225	5:02:01	GGCCCAGGCGCTGGCGCGGCGG
35240	35261	31564	41178	CDS product large tegument protein	35240-35261	4:01:01	CCGGCGCCTGCGCGCCGAGGCC
35293	35316	31564	41178	CDS product large tegument protein	35293-35316	5:02:01	GGCAGGAGGAGCGCTGGCGCGAGG

35419	35454	31564	41178	CDS product large tegument protein	35419-35454	7:04:01
GGCCGCTGGCGCGGCAGGCCGACGGGGCGCTGGAGG						
35467	35487	31564	41178	CDS product large tegument protein	35467-35487	4:01:01 GGGCGACGGCGGCCATCGAGG
35684	35698	31564	41178	CDS product large tegument protein	35684-35698	4:01:01 GGCTCGGGCGGCGG
35732	35748	31564	41178	CDS product large tegument protein	35732-35748	4:01:01 GGAGGGCGACCTGGCGG
35741	35765	31564	41178	CDS product large tegument protein	35741-35765	4:01:01 CCTGGCGGCCGTGCCCCGGCTCGCC
35788	35811	31564	41178	CDS product large tegument protein	35788-35811	5:02:01 GGGGCGACGCGGCTTTCGAGGAGG
35852	35874	31564	41178	CDS product large tegument protein	35852-35874	6:03:01 GGCGGCCGGCGGGCGCGGCGG
36014	36038	31564	41178	CDS product large tegument protein	36014-36038	4:01:01 CCACGCCCGCTTCGCCGCTCGGCC
36077	36132	31564	41178	CDS product large tegument protein	36077-36132	10:07:02
GGCCGCGCGCGAGAGGCGCTAGAGGCGGCAAAGCGGCGCGCGGAGGCCACGG						
36153	36177	31564	41178	CDS product large tegument protein	36153-36177	6:03:01 GGCGAGGTCGTGGCGGCCGAGGCGG
36199	36222	31564	41178	CDS product large tegument protein	36199-36222	4:01:01 CCGGGCTGGCCAACCTCAAGAACC
36269	36287	31564	41178	CDS product large tegument protein	36269-36287	4:01:01 CCGCGCCGCTCGGCGGCC
36317	36365	31564	41178	CDS product large tegument protein	36317-36365	11:08:02
GGCGCCGTGGAGGAGGCGCCGAGCTGGACGTGGCCGCGGTGGAGTGG						
36496	36540	31564	41178	CDS product large tegument protein	36496-36540	10:07:02
GGCGGCAGCTGGAGTCGGCGGCGGCGGCTGGGACGGCGCGTGGG						
36584	36612	31564	41178	CDS product large tegument protein	36584-36612	4:01:01
GGACCACGAGGGCGCCAAGGCGCGCGCG						
36623	36647	31564	41178	CDS product large tegument protein	36623-36647	5:02:01 GGCGCCGCGGCGTGGTGCTGGGG
36693	36724	31564	41178	CDS product large tegument protein	36693-36724	6:03:01
GGCGCGCTGGACGCGCGGCTGGCGGAGCGCGG						

36739	36761	31564	41178	CDS product large tegument protein	36739-36761	4:01:01	CCTTCCACGAGACCGCGCGCGCC
36800	36816	31564	41178	CDS product large tegument protein	36800-36816	4:01:01	GGCGGTGCGCGGCGAGG
36878	36894	31564	41178	CDS product large tegument protein	36878-36894	4:01:01	GGCCTGGGCGGCGCAGG
36903	36924	31564	41178	CDS product large tegument protein	36903-36924	4:01:01	CCCTTCCGGGACCTGCTGGTCC
36987	37008	31564	41178	CDS product large tegument protein	36987-37008	5:02:01	GGCGCGGCCGCGGCTCGGGCGG
37107	37143	31564	41178	CDS product large tegument protein	37107-37143	7:04:01	
GGCCGCGTGGCGGCGCTCCTGGGCGACGAGGCGGCGG							
37310	37341	31564	41178	CDS product large tegument protein	37310-37341	8:05:02	
GGACAACGGCGGCGTGGTGGAGGCGGCCTCGG							
37510	37530	31564	41178	CDS product large tegument protein	37510-37530	5:02:01	CCGCCACGCTGCCCCGCCGCC
37568	37636	31564	41178	CDS product large tegument protein	37568-37636	14:11:03	
GGCCGAGCGGGGCTGCGGCCGTGCGGGCGCCGCTGGGCGGCGGCAGCGGCGGCGAGGGGCGCGG							
37646	37657	31564	41178	CDS product large tegument protein	37646-37657	4:01:01	GGGCGGCGGCGG
37778	37818	31564	41178	CDS product large tegument protein	37778-37818	8:05:02	
GGACGGTGTCTTGGCCGAGGCGCTCGCGGGCCGGTGGCGG							
37839	37897	31564	41178	CDS product large tegument protein	37839-37897	13:10:03	
GGCGGCGCGCGCGGCGGCCGTGCCGCTGGGCGGCGGGGCGGACGCCGCGGACGG							
37909	37922	31564	41178	CDS product large tegument protein	37909-37922	4:01:01	CCATCCGCGCCGCC
37931	37952	31564	41178	CDS product large tegument protein	37931-37952	5:02:01	CCCGGGCCGCTCTCCCCGTCC
38114	38136	31564	41178	CDS product large tegument protein	38114-38136	4:01:01	GGTGGACTCGCTGGGCGCGCAGG
38152	38169	31564	41178	CDS product large tegument protein	38152-38169	4:01:01	CCTTCTGCGCGCGGCC
38198	38238	31564	41178	CDS product large tegument protein	38198-38238	8:05:02	
GGGCGGGCCCTCGGAGGACGCGGCGGCGCTGGCCGACGCGG							

38230	38249	31564	41178	CDS product large tegument protein	38230-38249	4:01:01	CCGCAGCGGCCAGCGCCGCC
38372	38397	31564	41178	CDS product large tegument protein	38372-38397	4:01:01	GGGCGCGCCGGTCGTCGTGGCCATGG
38479	38508	31564	41178	CDS product large tegument protein	38479-38508	5:02:01	
CCGACGCGCTGCCGCGGTGTCCTCGGACC							
38518	38535	31564	41178	CDS product large tegument protein	38518-38535	4:01:01	GGGGGAGCGGCTGCTGG
38623	38637	31564	41178	CDS product large tegument protein	38623-38637	4:01:01	CCGCGCCGCCCTGCC
38689	38701	31564	41178	CDS product large tegument protein	38689-38701	4:01:01	CCGCCGCGCCGCC
38738	38754	31564	41178	CDS product large tegument protein	38738-38754	4:01:01	CCGGGACCTGCCGAGCC
38781	38806	31564	41178	CDS product large tegument protein	38781-38806	6:03:01	CCCCCGCAGCCGACCCCGCGACCC
38878	38920	31564	41178	CDS product large tegument protein	38878-38920	8:05:02	
CCCACCCCCCGTCTTCCGGCACGCCGCGGACCCGTTTC							
38929	38953	31564	41178	CDS product large tegument protein	38929-38953	7:04:01	GGCCGGCGCCGGCGGCGGCAGCGG
38957	39062	31564	41178	CDS product large tegument protein	38957-39062	18:15:04	
CCGCGCGCCAACGCCCCGCGGCGCGGTGCCCCAAGGCCGACCCGCCCCAGCTCCGGCCGCGCCTCCGGCCCCGCGGAGCCCGCCCTCGCCTGGGGGGCC							
39055	39075	31564	41178	CDS product large tegument protein	39055-39075	5:02:01	GGGGGCGCAGGAGTGGCTGG
39118	39137	31564	41178	CDS product large tegument protein	39118-39137	4:01:01	CCGCCTACTCGCCGAGCCC
39195	39230	31564	41178	CDS product large tegument protein	39195-39230	7:04:01	
CCTGCCCGTACGCCGGCACCTTACCCGCCCGAGCCC							
39265	39284	31564	41178	CDS product large tegument protein	39265-39284	5:02:01	CCGCCTACCGGCCCGGTCC
39274	39295	31564	41178	CDS product large tegument protein	39274-39295	4:01:01	GGCCCGGTCCGAGGGGACGG
39299	39328	31564	41178	CDS product large tegument protein	39299-39328	7:04:01	
CCCACCAGAGTCCGCGCCGCCCCACGCC							
39338	39368	31564	41178	CDS product large tegument protein	39338-39368	8:05:02	

CCCGCCAGAGCCCGCGCCACCCCGCCCCC					
39405	39419	31564	41178	CDS product large tegument protein	39405-39419 4:01:01 CCCGCCCCGAGGCC
39449	39472	31564	41178	CDS product large tegument protein	39449-39472 5:02:01 CCGCCTGACGCGCCGCACCGGGCC
39509	39538	31564	41178	CDS product large tegument protein	39509-39538 6:03:01
CCCGCTGCCCCGCGCCCCCGGCGGCTCC					
39548	39631	31564	41178	CDS product large tegument protein	39548-39631 17:14:04
CCCGCCGCCCCGCGCCTTGCCGCCGACGGCCGCGGTGCCGCGCGTCCCCAGCCTCGCCGCCGCGCCCCAGATTCTCC					
39641	39680	31564	41178	CDS product large tegument protein	39641-39680 9:06:02
CCCGCCGCCCCGCGGTCCCGCCGCCGCGGCCGCCAGTACC					
39690	39722	31564	41178	CDS product large tegument protein	39690-39722 9:06:02
CCAGCCTCGCCGCCAGCGCCCCCGCCGCTCCC					
39733	39772	31564	41178	CDS product large tegument protein	39733-39772 9:06:02
CCCCGGGACCGCTCCGCCGCCACCTCCCTCGTTGCCGCC					
39801	39827	31564	41178	CDS product large tegument protein	39801-39827 5:02:01 CCCGGCGCCCAGACGGTCCGCCGGCCC
39815	39836	31564	41178	CDS product large tegument protein	39815-39836 4:01:01 GGTCCGCCGCCCCGGGGCTCGG
39869	39892	31564	41178	CDS product large tegument protein	39869-39892 6:03:01 CCCGCCGCCCCCGTTTTGCCGCC
39899	39937	31564	41178	CDS product large tegument protein	39899-39937 8:05:02
GGGGCGCCGGCGGACGGTCCGCCGGCCGGGGCTCGGG					
39946	40060	31564	41178	CDS product large tegument protein	39946-40060 23:20:05
CCGGCCGCGCCGCCGAGCCCGCCCGCCCTGCCAGCCGTTAGCCCGCCCGGGCCACCCGCCGTCTCCCCACCGCCCCGAGCCCGCCCAAGCCCGCGGACGCCGGCCCCC					
40046	40068	31564	41178	CDS product large tegument protein	40046-40068 4:01:01 GGACCCGCCCCCAGGTGCGG
40071	40152	31564	41178	CDS product large tegument protein	40071-40152 18:15:04
CCCGCGCCGCTCCGCCGCTCCGCCGCTCCGCCGCTCCGCCGCTCCGCCGCGCCACCGAGCCAACCC					

40153	40178	31564	41178	CDS product large tegument protein	40153-40178 5:02:01	GGGCGGACGGGCCGGCACCGCCGGGG
40164	40183	31564	41178	CDS product large tegument protein	40164-40183 5:02:01	CCGGCACCGCCGGGGCCGCC
40206	40237	31564	41178	CDS product large tegument protein	40206-40237 6:03:01	
CCGGCGGCCCCGGCGCCCCAAGGGCCCCCCC						
40253	40283	31564	41178	CDS product large tegument protein	40253-40283 6:03:01	
CCCGGCGCCGCCGAAGCCCAGACCCGCGCCC						
40293	40313	31564	41178	CDS product large tegument protein	40293-40313 4:01:01	CCCGGCGCGCCCGCCAAGCCC
40391	40411	31564	41178	CDS product large tegument protein	40391-40411 4:01:01	GGGCCCCGGCCCCGCGGACGG
40448	40498	31564	41178	CDS product large tegument protein	40448-40498 11:08:02	
CCCGCCACCCGACCCCGCGACCCAGCCGGCCGGCCGCGCCAGCGCTCC						
40505	40536	31564	41178	CDS product large tegument protein	40505-40536 6:03:01	
GGCCGCGGCGCTTCCGGCCGCGGCCGCGCCG						
40518	40576	31564	41178	CDS product large tegument protein	40518-40576 12:09:03	
CCGGCCGCGGCCCGGCCGCGCCCGCGACCCAGCCGGCCGGGCCGCGCCAGCGCTCC						
40583	40632	31564	41178	CDS product large tegument protein	40583-40632 8:05:02	
GGCCGCGGCGCCTCCGGCCGCGGCCCGGCTGGCGCCCCCGGCCAGCCGG						
40585	40608	31564	41178	CDS product large tegument protein	40585-40608 5:02:01	CCGCGGCGCCTCCGGCCGCGGCCC
40617	40639	31564	41178	CDS product large tegument protein	40617-40639 6:03:01	CCCCCGGCCAGCCGGCGCCTCC
40653	40669	31564	41178	CDS product large tegument protein	40653-40669 5:02:01	CCCGCCGCCCCCGCCC
40673	40689	31564	41178	CDS product large tegument protein	40673-40689 4:01:01	GGATGTGGGCGGCCGGG
40685	40708	31564	41178	CDS product large tegument protein	40685-40708 4:01:01	CCGGGCGCGCCCGACGGCCCGCC
40814	40832	31564	41178	CDS product large tegument protein	40814-40832 4:01:01	GGCGGACGCCGAGGCGCGG
40845	40889	31564	41178	CDS product large tegument protein	40845-40889 9:06:02	

CCCGCGCCCCCGAGCCCCCGTCGACCCCGCCTCGACACCGCC					
40916	40947	31564	41178	CDS product large tegument protein	40916-40947 7:04:01
GGAGACGGAGACGGAGGCGGAAGAGACGGAGG					
40956	40974	31564	41178	CDS product large tegument protein	40956-40974 4:01:01 GGCCGCGCCCCAGGCCGGG
41418	41436	41405	41782	CDS product small capsid protein	41418-41436 4:01:01 CCGAGGCCGAAGCCGCGCC
41664	41681	41405	41782	CDS product small capsid protein	41664-41681 4:01:01 GGAGCGGGCGGGACGCGG
41707	41758	41405	41782	CDS product small capsid protein	41707-41758 9:06:02
GGGCAGCAGGTCCCGTAGGGTGTGCGGGGTGATGGTGGCCGGCGCGCTGGGG					
41866	41911	41827	42657	CDS product nuclear egress membrane protein	41866-41911 8:05:02
CCAAAGACTCCGCCCACAAGCGCCGCGAGGACCGCGAGCCCCCGCC					
41948	41977	41827	42657	CDS product nuclear egress membrane protein	41948-41977 7:04:01
GGCTCCCGGCGCCCCGGCGGCGGCGGCGG					
42079	42116	41827	42657	CDS product nuclear egress membrane protein	42079-42116 7:04:01
CCCAGCCGCTCCTGGACCGCGCGGTCCAGCAGCCGGCC					
42201	42219	41827	42657	CDS product nuclear egress membrane protein	42201-42219 4:01:01 GGCGCGGAATGGCCGCGGG
42410	42436	41827	42657	CDS product nuclear egress membrane protein	42410-42436 4:01:01
CCGTCTGCGCCCAGCTGGCCATCAGCC					
42507	42536	41827	42657	CDS product nuclear egress membrane protein	42507-42536 6:03:01
GGGCGGGCGGCGCGGGTCCCAGGGCTGGGG					
42596	42622	41827	42657	CDS product nuclear egress membrane protein	42596-42622 5:02:01
GGCTCCGGGAGGAGCCCTCGGCATCGG					
42799	42812	42738	43070	CDS product DNA packaging protein UL33	42799-42812 4:01:01 CCTTCCTCGCCTCC
42839	42853	42738	43070	CDS product DNA packaging protein UL33	42839-42853 4:01:01 CCGCCCCCGGGGCC

42865	42890	42738	43070	CDS product DNA packaging protein UL33	42865-42890	4:01:01
CCGAGGCCAGGCGCGCCGTGAAGGCC						
42905	42919	42738	43070	CDS product DNA packaging protein UL33	42905-42919	4:01:01 GCGTCGGTGGTGGG
42946	42968	42738	43070	CDS product DNA packaging protein UL33	42946-42968	4:01:01 CCACGTCCTCGAACCAGATCTCC
43009	43040	42738	43070	CDS product DNA packaging protein UL33	43009-43040	5:02:01
CCAGCTCGGCCACGTCCTCGGTGGCCAGCGCC						
43089	43108	43051	44847	CDS product DNA packaging protein UL32	43089-43108	5:02:01 GCGCCGGCGGCGGCGAGGG
43120	43138	43051	44847	CDS product DNA packaging protein UL32	43120-43138	4:01:01 GGGCGGAGGGCGCGTTCGG
43223	43242	43051	44847	CDS product DNA packaging protein UL32	43223-43242	4:01:01 GGAGGTGCCCGGCCGCGGG
43256	43299	43051	44847	CDS product DNA packaging protein UL32	43256-43299	10:07:02
GGAGGGGGACGCGGACGCGGACGGGGAGGGGGCGGCGCCGCGG						
43324	43351	43051	44847	CDS product DNA packaging protein UL32	43324-43351	6:03:01
CCGCCCGCGCTGGCCATCGACCGGCC						
43404	43427	43051	44847	CDS product DNA packaging protein UL32	43404-43427	4:01:01 CCCCCCTGGGTCGCCGACTACGCC
43455	43472	43051	44847	CDS product DNA packaging protein UL32	43455-43472	4:01:01 CCGCCCTGCGCCGTGGCC
43502	43538	43051	44847	CDS product DNA packaging protein UL32	43502-43538	6:03:01
CCTGATGGACCGCACTTCCTGGCCGCGCACCGCGCC						
43622	43648	43051	44847	CDS product DNA packaging protein UL32	43622-43648	7:04:01
GGACGGCGGCGTTCCCGGCGGCGGCGG						
43659	43683	43051	44847	CDS product DNA packaging protein UL32	43659-43683	4:01:01
GGCGCCGCTGGGGGGCGCGCCGGG						
43730	43758	43051	44847	CDS product DNA packaging protein UL32	43730-43758	4:01:01
GGCGACGGGGCGCTGTTGGCGTCGACGG						

43769	43789	43051	44847	CDS product DNA packaging protein UL32	43769-43789	5:02:01	GGAGGCGGCGCCCGCGGACGG
43887	43936	43051	44847	CDS product DNA packaging protein UL32	43887-43936	12:09:03	
GGCGGCTGCGGCGGTGGCGGCGCGCGGGCGGCGGCGTCCCGGGG							
44022	44058	43051	44847	CDS product DNA packaging protein UL32	44022-44058	8:05:02	
CCCGCCGGCGCCCCGCCGGCGCCGCCCGCCGCGGACC							
44054	44073	43051	44847	CDS product DNA packaging protein UL32	44054-44073	4:01:01	GGACCGGTGGGCGTACGCGG
44146	44166	43051	44847	CDS product DNA packaging protein UL32	44146-44166	5:02:01	CCCGCCGCACCGCGTTCGACC
44261	44280	43051	44847	CDS product DNA packaging protein UL32	44261-44280	4:01:01	GGGCGCGGTGCTGGCCACGG
44457	44482	43051	44847	CDS product DNA packaging protein UL32	44457-44482	5:02:01	
GGCGCGCCGGTCGAAGGCGACGGCGG							
44726	44750	43051	44847	CDS product DNA packaging protein UL32	44726-44750	5:02:01	
CCAGCTCTTCCCCCGAAGCCAACC							
44851	44884	44840	45979	CDS product nuclear egress lamina protein	44851-44884	7:04:01	
GGGAGGTGCGGCCGGGCCCGGAGCTGGAGCTGG							
44899	44942	44840	45979	CDS product nuclear egress lamina protein	44899-44942	7:04:01	
CCCACGCCCCGCGCGCGCGGCGACCGACCCCGAGCCCC							
44943	44973	44840	45979	CDS product nuclear egress lamina protein	44943-44973	6:03:01	
GGGCTCGGCCCGGTCCGAGCGGCGGGGCGG							
44984	45044	44840	45979	CDS product nuclear egress lamina protein	44984-45044	11:08:02	
CCCCGCCCGCTCCCGCTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGTTCCTGCC							
45048	45084	44840	45979	CDS product nuclear egress lamina protein	45048-45084	7:04:01	
GGAGCGGTCCCGGTCCCGGTCCCGGTCCCGGTCCCGG							
45056	45088	44840	45979	CDS product nuclear egress lamina protein	45056-45088	6:03:01	

CCCGGTCCCGGTCCCGGTCCCGGTCCCGGTCCC					
45141	45169	44840	45979	CDS product nuclear egress lamina protein	45141-45169 4:01:01
GGGCGCGCGGCGCGCGGGGCGCGCGCGG					
45195	45210	44840	45979	CDS product nuclear egress lamina protein	45195-45210 5:02:01 CCTGGCCTCCTCCCC
45360	45386	44840	45979	CDS product nuclear egress lamina protein	45360-45386 5:02:01
CCCCGCCTGCACCGTGACCGGTGGCCC					
45379	45412	44840	45979	CDS product nuclear egress lamina protein	45379-45412 6:03:01
GGTGGCCCGCGGATGGGCCGCGGACCGCGCGG					
45459	45481	44840	45979	CDS product nuclear egress lamina protein	45459-45481 6:03:01
CCGGGCCTTCCTGGCCTCCATCC					
45529	45548	44840	45979	CDS product nuclear egress lamina protein	45529-45548 5:02:01 GGCGGCGTCGGGCCCCGGCGG
45569	45588	44840	45979	CDS product nuclear egress lamina protein	45569-45588 4:01:01 CCGAGGTCCTGGCCCAGCCC
45707	45739	44840	45979	CDS product nuclear egress lamina protein	45707-45739 8:05:02
CCATCCACCTGCACCACCGCCTGCTGGACCACC					
45804	45827	44840	45979	CDS product nuclear egress lamina protein	45804-45827 6:03:01
GGTGCGCCGGGACGGGGCGGGGG					
45846	45877	44840	45979	CDS product nuclear egress lamina protein	45846-45877 6:03:01
GGACGCCGAGGTGCCGCGGTGAGCGCGGGG					
46096	46134	45903	49655	CDS product DNA polymerase catalytic subunit	46096-46134 7:04:01
GGGCCTTGAAGGTGGCGCCGACGGTGCCAGGAGGTGGG					
46148	46170	45903	49655	CDS product DNA polymerase catalytic subunit	46148-46170 4:01:01
GGTGTGAGGGGCACGGCGCGGG					
46182	46208	45903	49655	CDS product DNA polymerase catalytic subunit	46182-46208 5:02:01

CCCGGGTCCTCGGCCATGTCCGAGACC					
46213	46266	45903	49655	CDS product DNA polymerase catalytic subunit	46213-46266 11:08:02
GGCGCGCGGGCGGGCGGCGGCCGCGCGGCCGCTGGGAGGCGGGCGGGG					
46421	46442	45903	49655	CDS product DNA polymerase catalytic subunit	46421-46442 5:02:01
GGCGTAGGCCTCGGGCGGGCGG					
46485	46521	45903	49655	CDS product DNA polymerase catalytic subunit	46485-46521 6:03:01
GGGTGCGCGATCTTGCGTGGGCCTCGGCCAGCACGG					
46553	46570	45903	49655	CDS product DNA polymerase catalytic subunit	46553-46570 4:01:01
CCGCCCCGGGCCACTCGCC					
46571	46599	45903	49655	CDS product DNA polymerase catalytic subunit	46571-46599 6:03:01
GGGCGGCACGGCTGAGGCCTCGGCCGCGG					
46810	46841	45903	49655	CDS product DNA polymerase catalytic subunit	46810-46841 7:04:01
CCGCCGAGACCTGCCGCGCCATGCCGTCGCC					
46888	46910	45903	49655	CDS product DNA polymerase catalytic subunit	46888-46910 4:01:01
CCGAGTCCGTGTCGCCGTAGACC					
46932	46958	45903	49655	CDS product DNA polymerase catalytic subunit	46932-46958 5:02:01
CCGGCCGCCGACGCGCCTCGGCGGCC					
46946	46964	45903	49655	CDS product DNA polymerase catalytic subunit	46946-46964 4:01:01
GGCCTCGGCGGCCTCGGGG					
47045	47077	45903	49655	CDS product DNA polymerase catalytic subunit	47045-47077 6:03:01
GGTCGTCACGGTGGCCGCGACGCCAGGCAGGG					
47085	47114	45903	49655	CDS product DNA polymerase catalytic subunit	47085-47114 5:02:01
CCGTTGGCCACGCCGGTGAAGCCGTACACC					

47162	47186	45903	49655	CDS product DNA polymerase catalytic subunit	47162-47186 5:02:01
GGCCTCCTCGGGCGCGGCGGGG					
47311	47347	45903	49655	CDS product DNA polymerase catalytic subunit	47311-47347 7:04:01
CCGCGCCGGGCGCCAGCCCCGCGGGGCGGGCCTCGCC					
47455	47479	45903	49655	CDS product DNA polymerase catalytic subunit	47455-47479 4:01:01
CCAGGACCTTGGCGCCCTGATACCC					
47512	47620	45903	49655	CDS product DNA polymerase catalytic subunit	47512-47620 23:20:05
CCGCCGCCCCCGCGTCCCTGCGTCTCCCGTCCCCCCTCCGCTCCCGTCATCCTCCCCATCGCCCCCTCCTCGCCCTCGCCGCGGGCCGCGTCGCCCCAGCC					
47602	47630	45903	49655	CDS product DNA polymerase catalytic subunit	47602-47630 4:01:01
GGGCCGCGTCGGCCAGCCGGCGAACGGG					
47631	47654	45903	49655	CDS product DNA polymerase catalytic subunit	47631-47654 4:01:01
CCCCGTCGCTGCCCTCGGCGCCC					
47648	47684	45903	49655	CDS product DNA polymerase catalytic subunit	47648-47684 5:02:01
GGCGCCCGCGGGGCGCCGCTGGCTGTCCGGCAGCAGG					
47698	47718	45903	49655	CDS product DNA polymerase catalytic subunit	47698-47718 4:01:01
GGGCCAGGCGCAGCAGGCAGG					
47768	47798	45903	49655	CDS product DNA polymerase catalytic subunit	47768-47798 7:04:01
CCCGGCCAGCCGCGCCACCGCCGACAGCTCC					
47828	47846	45903	49655	CDS product DNA polymerase catalytic subunit	47828-47846 4:01:01
CCCGACCAGCGCCGAGTCC					
47862	47891	45903	49655	CDS product DNA polymerase catalytic subunit	47862-47891 6:03:01
CCGATGACCGCGGGCCCTCCGGCCCGGCC					
47911	47957	45903	49655	CDS product DNA polymerase catalytic subunit	47911-47957 9:06:02

CCTTGTAGTCCAGGTCCACCTTCCGCTCCCGCAGGGCCTCCTCGGCC

48278	48300	45903	49655	CDS product DNA polymerase catalytic subunit	48278-48300 5:02:01
GGCGGGCGCGGGAGCCCGGCGG					
48316	48339	45903	49655	CDS product DNA polymerase catalytic subunit	48316-48339 6:03:01
GGAAGGCCGCGGCAGGTCGCAGG					
48409	48443	45903	49655	CDS product DNA polymerase catalytic subunit	48409-48443 6:03:01
GGACGACGAGGTCCTCGGCGTTGGCGGCCGCCGGG					
48436	48461	45903	49655	CDS product DNA polymerase catalytic subunit	48436-48461 5:02:01
CCGCCGGGAACGCCAGCCCGTCGCCC					
48621	48652	45903	49655	CDS product DNA polymerase catalytic subunit	48621-48652 6:03:01
CCAGCGCGCCCGGGCCGAGCCGGTACCAGCC					
48823	48839	45903	49655	CDS product DNA polymerase catalytic subunit	48823-48839 4:01:01
CCGCCGCGCTAACCACC					
48870	48891	45903	49655	CDS product DNA polymerase catalytic subunit	48870-48891 4:01:01
CCCAGGTAGCCGACGCCGGGCC					
48900	48923	45903	49655	CDS product DNA polymerase catalytic subunit	48900-48923 7:04:01
CCGCCGCCCCCGCCCGGCGTCC					
48932	48954	45903	49655	CDS product DNA polymerase catalytic subunit	48932-48954 5:02:01
GGCGCCGGCGCCAGGGCCGAGG					
48964	48992	45903	49655	CDS product DNA polymerase catalytic subunit	48964-48992 6:03:01
CCGCCACCATGGCGTCCACCAGCTGGCCC					
49010	49026	45903	49655	CDS product DNA polymerase catalytic subunit	49010-49026 4:01:01
GGCCAGGTCAACGGCGG					

49083	49100	45903	49655	CDS product DNA polymerase catalytic subunit	49083-49100 4:01:01
CCGTCCTCCGACATGCCC					
49114	49136	45903	49655	CDS product DNA polymerase catalytic subunit	49114-49136 5:02:01
CCGTGGCGCCGCCGGCCGGGCC					
49118	49152	45903	49655	CDS product DNA polymerase catalytic subunit	49118-49152 6:03:01
GGCGCCGCCGGGCCGGGCTCGGCGGCGAAGCGGG					
49387	49415	45903	49655	CDS product DNA polymerase catalytic subunit	49387-49415 8:05:02
CCGCCAGCCTTGACGCTCCCCCTCCCCC					
49471	49488	45903	49655	CDS product DNA polymerase catalytic subunit	49471-49488 5:02:01
GGAAGGAGGACACGGCGG					
49515	49559	45903	49655	CDS product DNA polymerase catalytic subunit	49515-49559 8:05:02
CCGGCGCGGCCCGCCTCGCCGGCGCCGGCGTCGCCCCGGCCC					
49555	49575	45903	49655	CDS product DNA polymerase catalytic subunit	49555-49575 4:01:01
GGCCCCGGCTGCGCGGCCGGGG					
50121	50141	49926	53552	CDS product single-stranded DNA-binding protein	50121-50141 5:02:01
CCGGCACCAAGACCACCGGCC					
50138	50162	49926	53552	CDS product single-stranded DNA-binding protein	50138-50162 5:02:01
GGCCTGGGCGGCGCGGGGCTGACGG					
50174	50190	49926	53552	CDS product single-stranded DNA-binding protein	50174-50190 4:01:01
CCCAGCCACTACCACCC					
50221	50249	49926	53552	CDS product single-stranded DNA-binding protein	50221-50249 5:02:01
CCTGCGCGCCAGCACGGCCGCGCCGAACC					
50269	50292	49926	53552	CDS product single-stranded DNA-binding protein	50269-50292 5:02:01

GGCGCGGCGGCTTCGGCTTCGG					
50368	50407	49926	53552	CDS product single-stranded DNA-binding protein	50368-50407 5:02:01
CCCCGAGACGGCCCTGCTCTTCCTCGCGACCACGGAGGCC					
50401	50420	49926	53552	CDS product single-stranded DNA-binding protein	50401-50420 4:01:01
GGAGGCCTTCAAGGAGACGG					
50650	50666	49926	53552	CDS product single-stranded DNA-binding protein	50650-50666 4:01:01
GGGCCCCGGCCGCGGTGG					
50686	50705	49926	53552	CDS product single-stranded DNA-binding protein	50686-50705 4:01:01
GGACGCGGTGGCGCGCGGG					
50795	50815	49926	53552	CDS product single-stranded DNA-binding protein	50795-50815 6:03:01
GGCGGCGGCGGTGGACGCGGG					
50830	50849	49926	53552	CDS product single-stranded DNA-binding protein	50830-50849 4:01:01
GGACCAGGGCGCGGCCAAGG					
50844	50860	49926	53552	CDS product single-stranded DNA-binding protein	50844-50860 4:01:01
CCAAGCCGCGCGCCC					
50877	50906	49926	53552	CDS product single-stranded DNA-binding protein	50877-50906 6:03:01
GGCTGGCCTCGGTGATGGCGGCCGACACGG					
50986	51024	49926	53552	CDS product single-stranded DNA-binding protein	50986-51024 7:04:01
GGGCGCGGCGGACGAGGCGGCGAAGCTGGACGCGCTGGG					
51047	51065	49926	53552	CDS product single-stranded DNA-binding protein	51047-51065 4:01:01
GGGCTGGTGGGCGCCATGG					
51097	51119	49926	53552	CDS product single-stranded DNA-binding protein	51097-51119 6:03:01
GGAGGTGGACGACGGCGGCGCGG					

51138	51195	49926	53552	CDS product single-stranded DNA-binding protein	51138-51195 11:08:02
CCGCCCGCGGCTTCCACCGCTTCTACCAAATCGCCGCCCTACGTGGCCGGAACCC					
51237	51253	49926	53552	CDS product single-stranded DNA-binding protein	51237-51253 4:01:01
CCGGCCCCGGCCGCGTCC					
51283	51307	49926	53552	CDS product single-stranded DNA-binding protein	51283-51307 4:01:01
GGACCACCTGGCGATGGCGTGCGGG					
51489	51516	49926	53552	CDS product single-stranded DNA-binding protein	51489-51516 5:02:01
GGCTGCGGCACCGGCTGCCCCGGTTCGG					
51657	51673	49926	53552	CDS product single-stranded DNA-binding protein	51657-51673 4:01:01
CCACGTACCGCGCCGCC					
51763	51797	49926	53552	CDS product single-stranded DNA-binding protein	51763-51797 7:04:01
CCACGCCAGCTTCCGCGCGCCCTGGCCGCCATCC					
51957	51989	49926	53552	CDS product single-stranded DNA-binding protein	51957-51989 6:03:01
GGCGCTCGGTGCTGGCCGTGGTGCAGGACTTGG					
52138	52154	49926	53552	CDS product single-stranded DNA-binding protein	52138-52154 4:01:01
GGAGGCCGCGGTCGCGG					
52219	52241	49926	53552	CDS product single-stranded DNA-binding protein	52219-52241 4:01:01
GGTGAGCCTGGAGGTCTTCCGGG					
52430	52457	49926	53552	CDS product single-stranded DNA-binding protein	52430-52457 6:03:01
CCGCCCCGGAGCCCCGACGCTAACCCCC					
52673	52705	49926	53552	CDS product single-stranded DNA-binding protein	52673-52705 6:03:01
GGGCTCACGGCGATCGTGGCCGGGGCGGGCGG					
52760	52780	49926	53552	CDS product single-stranded DNA-binding protein	52760-52780 4:01:01

52771	52787	49926	53552	CDS product single-stranded DNA-binding protein	52771-52787 4:01:01
CCCGACGCCTCGGCGGCCGCC GGCGGCCCGCCAGGAGG					
52798	52827	49926	53552	CDS product single-stranded DNA-binding protein	52798-52827 6:03:01
GGCCGAGGCCCGCCCGAGGTGTGGGCGGG					
52830	52847	49926	53552	CDS product single-stranded DNA-binding protein	52830-52847 5:02:01
CCTTCGCCGCCAGCCACC					
52858	52890	49926	53552	CDS product single-stranded DNA-binding protein	52858-52890 6:03:01
GGTCATGGCCACGCGGCCCGGTGGTGCTGGG					
52942	52971	49926	53552	CDS product single-stranded DNA-binding protein	52942-52971 6:03:01
GGCGGGCAACTGGAGCGGCCTCAACGGGGG					
53053	53070	49926	53552	CDS product single-stranded DNA-binding protein	53053-53070 4:01:01
GGCCGCGGGCGCGGGCGG					
53120	53147	49926	53552	CDS product single-stranded DNA-binding protein	53120-53147 4:01:01
GGCAGCAACGGCGCGCTGGCGCAGACGG					
53188	53228	49926	53552	CDS product single-stranded DNA-binding protein	53188-53228 8:05:02
GGAGCACATGGACCTGGACGACTGGGCGGCCCTGGTGGAGG					
53251	53309	49926	53552	CDS product single-stranded DNA-binding protein	53251-53309 11:08:02
GGTGGAGCTGACGGAGCGCGTGGCTGCGCGGCCCGGGGGCTGGTCGCCGAGGGCGCGG					
53329	53351	49926	53552	CDS product single-stranded DNA-binding protein	53329-53351 5:02:01
GGAGCTCGAGGCGGCGCCGAGG					
53412	53486	49926	53552	CDS product single-stranded DNA-binding protein	53412-53486 13:10:03
CCTACGCCTTCGGCGCCGCCGGGGCCGGGGCCGGCGGCACCTGCGCCATGCCGGGGGCCAAGCGCCCCGACC					

53423	53451	49926	53552	CDS product single-stranded DNA-binding protein	53423-53451	5:02:01
GGCGCCGCCGGGGCCGGGGCCCGGCGG						
53503	53524	49926	53552	CDS product single-stranded DNA-binding protein	53503-53524	4:01:01
GGCGCCGTTCCGAAAAGCGG						
53808	53835	53789	56239	CDS product DNA packaging terminase subunit 2	53808-53835	4:01:01
CCCCGTCGGTCCCGAGCCCGGCGGCCCC						
53850	53893	53789	56239	CDS product DNA packaging terminase subunit 2	53850-53893	8:05:02
CCCGGCGTCCGGCCCGCCAGCCAGCGGGCCGCGGCCCGCC						
53979	53994	53789	56239	CDS product DNA packaging terminase subunit 2	53979-53994	4:01:01 CCGCCACCTCGACGCC
54141	54161	53789	56239	CDS product DNA packaging terminase subunit 2	54141-54161	4:01:01
GGCGGCCGCGGGCGCCGCGG						
54321	54360	53789	56239	CDS product DNA packaging terminase subunit 2	54321-54360	6:03:01
CCTGCTCGCCTCGGCCGAGCCGCGCTCGCCGCGCTCGCC						
54380	54406	53789	56239	CDS product DNA packaging terminase subunit 2	54380-54406	7:04:01
GGGCCACGGTGGCGGCGGGCGCGTGG						
54570	54586	53789	56239	CDS product DNA packaging terminase subunit 2	54570-54586	4:01:01
CCAGTACCTGCCGCACC						
54608	54673	53789	56239	CDS product DNA packaging terminase subunit 2	54608-54673	14:11:03
GGCTGGCGGCGGCGGCGGCGCTGGAGGCGCTGGAAGCGCCGCCCGCGGGGCGCGCAGGG						
54687	54739	53789	56239	CDS product DNA packaging terminase subunit 2	54687-54739	10:07:02
GGCGAGCGGCCCTCCGGGGGCGCGGCGACGGCGGCTCGGTGCGGAGGCGG						
54762	54782	53789	56239	CDS product DNA packaging terminase subunit 2	54762-54782	4:01:01
CCACGTCTCCGCCCCGGCGCC						

54845	54867	53789	56239	CDS product DNA packaging terminase subunit 2	54845-54867 6:03:01
CCACCGCCAGCGCCGTCGCCGCC					
54899	54940	53789	56239	CDS product DNA packaging terminase subunit 2	54899-54940 9:06:02
GGGAGGCGCGGCACCGGCTGCAGGTGGCCGCGGCGGAGCTGG					
54988	55012	53789	56239	CDS product DNA packaging terminase subunit 2	54988-55012 6:03:01
GGGCTGGCGCGGCTGGACGGCGTGG					
55026	55042	53789	56239	CDS product DNA packaging terminase subunit 2	55026-55042 4:01:01
GGGGAGCGCGGCGGTGG					
55166	55229	53789	56239	CDS product DNA packaging terminase subunit 2	55166-55229 12:09:03
GGCGCGCGGCCGCGGGCGAGGAGGGGGCGAGGATGGGGCCGACTCGGGCGAAGAGGGGGGTGG					
55243	55357	53789	56239	CDS product DNA packaging terminase subunit 2	55243-55357 25:22:06
GGCGGGGACGGGACGGGGCCGGGGCGGCAACGGCGCGCGGGGCCGGCGGGGCGCGGACGGCGGGCCGGCGGGGACGACGGCCCCGCGGGCTGGGCGGCGCTGGCGG					
55548	55563	53789	56239	CDS product DNA packaging terminase subunit 2	55548-55563 4:01:01 CCGCGCCTTCGCGGCC
55573	55591	53789	56239	CDS product DNA packaging terminase subunit 2	55573-55591 5:02:01
GGCGCGGGCACGGTGGTGG					
55596	55614	53789	56239	CDS product DNA packaging terminase subunit 2	55596-55614 4:01:01
CCGCGCCTCGGACGCCACC					
55836	55861	53789	56239	CDS product DNA packaging terminase subunit 2	55836-55861 7:04:01
GGCGGCCGAGGGGGCGGGTGGGTGG					
56019	56049	53789	56239	CDS product DNA packaging terminase subunit 2	56019-56049 6:03:01
GGACCGAACGGCGCCGGGCCCGGACGGGCGG					
56123	56146	53789	56239	CDS product DNA packaging terminase subunit 2	56123-56146 5:02:01
GGGCGCCGATACGGTCGGCGAGG					

56208	56221	53789	56239	CDS product DNA packaging terminase subunit 2	56208-56221 4:01:01 GGCGCCGGCGGCGG
56298	56317	56092	58935	CDS product envelope glycoprotein B	56298-56317 4:01:01 CCGACGACGCCGCTGTGCC
56319	56346	56092	58935	CDS product envelope glycoprotein B	56319-56346 6:03:01 GGGGAGCTGGGAGCGGGAGCCCGG
56335	56399	56092	58935	CDS product envelope glycoprotein B	56335-56399 12:09:03
CCGGGAGCCCGCGCCCCAGCGAGCCCGCGCCCCCGCAAGCCCCGCCCGCCGACGGCCCC					
56492	56510	56092	58935	CDS product envelope glycoprotein B	56492-56510 4:01:01 CCCGCCGCCCTCGGGCGCC
56504	56522	56092	58935	CDS product envelope glycoprotein B	56504-56522 4:01:01 GGGGCCACGGTGGTCCGG
56793	56808	56092	58935	CDS product envelope glycoprotein B	56793-56808 4:01:01 GGGCGCAAGGTGGTGG
56894	56927	56092	58935	CDS product envelope glycoprotein B	56894-56927 6:03:01
GGACGAGGTGTACACGGCGCTGGGCTCGGCGGGG					
56963	56985	56092	58935	CDS product envelope glycoprotein B	56963-56985 6:03:01 GGAGGAGGTGGAGGCGCGCTCGG
57197	57213	56092	58935	CDS product envelope glycoprotein B	57197-57213 4:01:01 GGTGGCCTGGGACTGGG
57389	57405	56092	58935	CDS product envelope glycoprotein B	57389-57405 4:01:01 GGAGGCCGGGGCCGCGG
57601	57631	56092	58935	CDS product envelope glycoprotein B	57601-57631 6:03:01
CCGCCGCTGCCGCGCGCCCAAGCCGGTACC					
57644	57680	56092	58935	CDS product envelope glycoprotein B	57644-57680 9:06:02
CCGGTCCGCGTCCCCACGCCCCCGCGCCCGCGCC					
57684	57700	56092	58935	CDS product envelope glycoprotein B	57684-57700 4:01:01 GGCGACGGCGGCGACGG
57760	57780	56092	58935	CDS product envelope glycoprotein B	57760-57780 4:01:01 CCTACGACCACATCCAGGACC
57800	57822	56092	58935	CDS product envelope glycoprotein B	57800-57822 5:02:01 CCGCCTGGCCACGTCTCGGTGCC
57902	57914	56092	58935	CDS product envelope glycoprotein B	57902-57914 4:01:01 CCGCCGCGCCGCC
58022	58043	56092	58935	CDS product envelope glycoprotein B	58022-58043 5:02:01 CCGCCCGCCGTCTCCTTCGCC
58064	58086	56092	58935	CDS product envelope glycoprotein B	58064-58086 5:02:01 GGTGGAGGGCCAGCTCGGCGAGG

58244	58282	56092	58935	CDS product envelope glycoprotein B	58244-58282	6:03:01
CCTGAACCTCACGGTCCTAGAGGACCGCGAGTTCCTGCC						
58394	58416	56092	58935	CDS product envelope glycoprotein B	58394-58416	4:01:01 GGTCAAGACGGACGGCAACATGG
58448	58501	56092	58935	CDS product envelope glycoprotein B	58448-58501	8:05:02
GGGCCTGGGCGCCGTCGGGCAGGCAGTGGGCACGGTTGTGCTGGGCGCCGCGGG						
58554	58578	56092	58935	CDS product envelope glycoprotein B	58554-58578	4:01:01 GGC GCGCTGGCCACGGGGCTGCTGG
58597	58614	56092	58935	CDS product envelope glycoprotein B	58597-58614	4:01:01 CCGCCTTCCTGGCGTACC
58624	58643	56092	58935	CDS product envelope glycoprotein B	58624-58643	4:01:01 CCCGCTCCGAGCAACCCC
58694	58728	56092	58935	CDS product envelope glycoprotein B	58694-58728	8:05:02
GGGCGCGGGCGCCCCGGGCGAGGAGGGGAGGAGG						
58876	58893	56092	58935	CDS product envelope glycoprotein B	58876-58893	4:01:01 GGC GCGGGCGCCGCCGG
58887	58916	56092	58935	CDS product envelope glycoprotein B	58887-58916	5:02:01
CCGCCGGCGTACCAGCAGCTCCCGATGTCC						
59545	59651	59444	60391	CDS product capsid scaffold protein	59545-59651	21:18:05
GGCAATGGCCCCGGGCTCCTCAGGTGGCCCCGCCGACGCGGGCGCCGGGGCGCGGGGTGGCGAGCGGTGGGGCCGGGCGGGCCTGGGCCGGCGCGGGG						
59622	59641	59444	60391	CDS product capsid scaffold protein	59622-59641	4:01:01 CCGGGCGCGGGCCTGGGCC
59661	59680	59444	60391	CDS product capsid scaffold protein	59661-59680	5:02:01 GGGCCGGCGCGGGGGCCGGG
59676	59692	59444	60391	CDS product capsid scaffold protein	59676-59692	4:01:01 CCGGGCCCCGACACC
59693	59708	59444	60391	CDS product capsid scaffold protein	59693-59708	4:01:01 GGCTGGGGCGGAGCGG
59738	59770	59444	60391	CDS product capsid scaffold protein	59738-59770	8:05:02
GGCAGGCACGGCACGGGCGCTGGGGCAGGTGG						
59779	59810	59444	60391	CDS product capsid scaffold protein	59779-59810	5:02:01
GGCCGCGAAGCGGGGCCGTAGGGTAGCCGG						

59863	59931	59444	60391	CDS product capsid scaffold protein	59863-59931	14:11:03
GGAGAGGGCGTGTGGAGCCGGCTGTGGCGGCGAGGGGGGCGGTGGTGCTGGGGCGGCAGCTCGGCGGG						
59955	59975	59444	60391	CDS product capsid scaffold protein	59955-59975	4:01:01 CCTCGTCGTCCCCGCCGCCCC
60013	60037	59444	60391	CDS product capsid scaffold protein	60013-60037	7:04:01 GGCTGGGGGGCGGCGGTCGAGGGGG
60038	60070	59444	60391	CDS product capsid scaffold protein	60038-60070	6:03:01
CCGTCTAGCCCGGCCCGTCCGCGCCCTGCGCC						
60075	60107	59444	60391	CDS product capsid scaffold protein	60075-60107	6:03:01
GGCGCCGCGCGTCGCGGATGGCGCCGCCAGGG						
60151	60185	59444	60391	CDS product capsid scaffold protein	60151-60185	7:04:01
GGGGTGCCAGGGCGCGGCGGCCACTGGCGGCGG						
60200	60266	59444	60391	CDS product capsid scaffold protein	60200-60266	16:13:04
GGCATCGGGGCGGGGCGGCGGCGGATGGCGGGCGGCAGGAAGTACGGGGCGGCGGGGCGCGG						
60340	60360	59444	60391	CDS product capsid scaffold protein	60340-60360	5:02:01 GGCCGGCAGGGGGTGCGCCGG
60391	60424	59444	61303	CDS product capsid maturation protease	60391-60424	8:05:02
GGCGGGGGCGGCGCCGCGGAAGCTCCGGCTGG						
60507	60520	59444	61303	CDS product capsid maturation protease	60507-60520	4:01:01 CCTCCCCCGGCC
60665	60692	59444	61303	CDS product capsid maturation protease	60665-60692	5:02:01
GGCACCGGCCAGGCGCGGTCGCCGAGGG						
60703	60728	59444	61303	CDS product capsid maturation protease	60703-60728	6:03:01
GGCCTCGGCGTCGGCGAGGAGGGCGG						
60750	60782	59444	61303	CDS product capsid maturation protease	60750-60782	7:04:01
GGCGGAAGGGGCCACACAGGCTTCGGGCGTGG						
60851	60874	59444	61303	CDS product capsid maturation protease	60851-60874	5:02:01 CCGTCGGCCTCCTCGCGGGCGCC

60868	60887	59444	61303	CDS product capsid maturation protease	60868-60887	4:01:01	GGGCGCCAGGCGGCGGAGG
61111	61131	59444	61303	CDS product capsid maturation protease	61111-61131	5:02:01	GGGCAGCGGGCGGCGGGCGG
61268	61284	59444	61303	CDS product capsid maturation protease	61268-61284	4:01:01	CCGGCGCCGCCGTCGCC
61586	61599	61408	63219	CDS product DNA packaging tegument protein UL25	61586-61599	4:01:01	CCGCCACGACCTCC
61605	61629	61408	63219	CDS product DNA packaging tegument protein UL25	61605-61629	6:03:01	
				GGGCGCCGGCGGGCGCGGTGGCGG			
61858	61904	61408	63219	CDS product DNA packaging tegument protein UL25	61858-61904	8:05:02	
				CCCACGGCGCGTCGGGGCCGCCGTCGGCGCCGCGCCACCTCCCC			
61913	61934	61408	63219	CDS product DNA packaging tegument protein UL25	61913-61934	4:01:01	
				CCGCGCCGGGCACCAGCGTGCC			
62039	62064	61408	63219	CDS product DNA packaging tegument protein UL25	62039-62064	5:02:01	
				GGCTCTGGTCCTCGGCGAGGAAGAGG			
62153	62174	61408	63219	CDS product DNA packaging tegument protein UL25	62153-62174	5:02:01	
				CCGCGCCGCCGCCAGCGCCCC			
62175	62190	61408	63219	CDS product DNA packaging tegument protein UL25	62175-62190	4:01:01	GGGGATGGCCGGCAGG
62254	62274	61408	63219	CDS product DNA packaging tegument protein UL25	62254-62274	5:02:01	
				CCCGCGCCGCCGCCCGGCGCC			
62269	62295	61408	63219	CDS product DNA packaging tegument protein UL25	62269-62295	5:02:01	
				GGCGCCTGGAAGTGGCCCCGTGGGAGG			
62427	62451	61408	63219	CDS product DNA packaging tegument protein UL25	62427-62451	5:02:01	
				GGTGGCGCGGTGCGCGAGGTGCAGG			
62522	62538	61408	63219	CDS product DNA packaging tegument protein UL25	62522-62538	5:02:01	
				CCGCCACCGCGGCCGCC			

62650	62666	61408	63219	CDS product DNA packaging tegument protein UL25	62650-62666	5:02:01
CCCGCCGAGCCCCGCC						
62688	62713	61408	63219	CDS product DNA packaging tegument protein UL25	62688-62713	5:02:01
GGCCAGCAGGTCGGCCGCCAGGGTGG						
62782	62831	61408	63219	CDS product DNA packaging tegument protein UL25	62782-62831	9:06:02
CCGAGCGCGCCCGCGCCGAGTCCCCGTCTCGCCCTCCCCCGCGCGGCC						
62840	62904	61408	63219	CDS product DNA packaging tegument protein UL25	62840-62904	17:14:04
CCGCCGACTCCGCCCGCGCCCGCGTCCGCTCTCCGCCCGGCGCGCCCTCTCCAGGTCC						
62918	62937	61408	63219	CDS product DNA packaging tegument protein UL25	62918-62937	5:02:01
CCACCTCCGCCACGCGGGCC						
63002	63034	61408	63219	CDS product DNA packaging tegument protein UL25	63002-63034	6:03:01
CCGCGGCCGTGCCGCGCCCGGTCCGCGCCC						
63207	63235	63201	64040	CDS product nuclear protein UL24	63207-63235	5:02:01
CCCAAGCGCCATGGCCCCGGCGCCGCCCC						
63244	63271	63201	64040	CDS product nuclear protein UL24	63244-63271	5:02:01 CCGAGATCCCGCCCAGGCACGCCGCGCC
63282	63296	63201	64040	CDS product nuclear protein UL24	63282-63296	5:02:01 CCCCCACCCCCGCC
63310	63332	63201	64040	CDS product nuclear protein UL24	63310-63332	5:02:01 CCTCGGCCCTCCCGCCCCGCGCC
63339	63376	63201	64040	CDS product nuclear protein UL24	63339-63376	9:06:02
GGGGACTGGGATGGGGACGGGGCGGGGCGGACGCGG						
63377	63398	63201	64040	CDS product nuclear protein UL24	63377-63398	6:03:01 CCGCCCCTTCGCCGCCGCGCC
63402	63423	63201	64040	CDS product nuclear protein UL24	63402-63423	4:01:01 GGTCTCGGTCTCGGTCTCCCGG
63449	63462	63201	64040	CDS product nuclear protein UL24	63449-63462	4:01:01 CCGCCCCGCCGCC
63601	63635	63201	64040	CDS product nuclear protein UL24	63601-63635	7:04:01

CCAGCACCGGCGCCAGGACCACCGGTCCGGGCCC					
63609	63647	63201	64040	CDS product nuclear protein UL24	63609-63647 7:04:01
GGCGCCAGGACCACCGGTCCGGGCCCGGGGGGCGAGG					
63880	63909	63201	64040	CDS product nuclear protein UL24	63880-63909 5:02:01
CCTCCGGGGCGCCGAACCTCGCCAAGAGCC					
63910	63928	63201	64040	CDS product nuclear protein UL24	63910-63928 4:01:01 GGGCTAGGCGCGGGCGCGG
63984	64001	63201	64040	CDS product nuclear protein UL24	63984-64001 4:01:01 CCGTGGCACCGGACCCCC
64091	64112	64039	65109	CDS product thymidine kinase	64091-64112 4:01:01 GGACGGCGCGCACGGGCTGGGG
64141	64154	64039	65109	CDS product thymidine kinase	64141-64154 5:02:01 CCGCCGCTCCGCC
64235	64266	64039	65109	CDS product thymidine kinase	64235-64266 6:03:01 CCTCGCCGCGTCCGCGCCGCGCCGCGGCCC
64262	64302	64039	65109	CDS product thymidine kinase	64262-64302 8:05:02
GGCCCAGGGGGGCGCGGACGCGGACGCGCCGGCCTGG					
64374	64390	64039	65109	CDS product thymidine kinase	64374-64390 4:01:01 CCGCCTGAGCCGGCGCC
64424	64476	64039	65109	CDS product thymidine kinase	64424-64476 10:07:02
CCGGCACCCCTGGCCGCTGCCTGTGCTACCCCTTCGCCGCTACTGCCTCC					
64558	64571	64039	65109	CDS product thymidine kinase	64558-64571 4:01:01 CCCTCCCCCGGCC
64603	64635	64039	65109	CDS product thymidine kinase	64603-64635 5:02:01
GGCCCGGGGACCGCGCGGACGCGGCTTTCTGG					
64686	64749	64039	65109	CDS product thymidine kinase	64686-64749 11:08:02
GGCGCGGGGGCGCGTGCGCGACGGCTGGGACGCGTGGGTGGGCGGACGCGGACGCGCTGG					
64851	64863	64039	65109	CDS product thymidine kinase	64851-64863 4:01:01 GGCGCGGGGCGG
64865	64883	64039	65109	CDS product thymidine kinase	64865-64883 4:01:01 CCTGCCC GCGTCCACGCC
64897	64920	64039	65109	CDS product thymidine kinase	64897-64920 5:02:01 CCCTGGCCGACCGCTTGCGGCCC

64989	65007	64039	65109	CDS product thymidine kinase
65012	65026	64039	65109	CDS product thymidine kinase
65036	65064	64039	65109	CDS product thymidine kinase
65073	65096	64039	65109	CDS product thymidine kinase
65075	65101	64039	65109	CDS product thymidine kinase
65277	65302	65226	67772	CDS product envelope glycoprotein H
65326	65387	65226	67772	CDS product envelope glycoprotein H
GGGCGGGACGCGCGGTACGAGGTCGAGGAGTGGGAGATGGTGGTCGGGGCGAGTCGGCGG				
65400	65418	65226	67772	CDS product envelope glycoprotein H
65563	65588	65226	67772	CDS product envelope glycoprotein H
65668	65686	65226	67772	CDS product envelope glycoprotein H
65758	65790	65226	67772	CDS product envelope glycoprotein H
CCTGCCGCGCGCTCCGCGCCCCGCGCCGACGCC				
65830	65843	65226	67772	CDS product envelope glycoprotein H
65918	65947	65226	67772	CDS product envelope glycoprotein H
CCCGTCTCCTACGTCCCCACGGGCCGGGCC				
65964	65994	65226	67772	CDS product envelope glycoprotein H
GGGCCGCGGTCCGGCTGGAGGTGGGGCTCGG				
66106	66132	65226	67772	CDS product envelope glycoprotein H
66128	66143	65226	67772	CDS product envelope glycoprotein H
66155	66176	65226	67772	CDS product envelope glycoprotein H
66247	66284	65226	67772	CDS product envelope glycoprotein H
CCTGGCCGCCGCGCACCGGGAGGCCTTCCTGATGCTCC				

64989-65007	4:01:01	CCCGCCATGCGGGCCGCC
65012-65026	4:01:01	GGACGGGGCGGCGGG
65036-65064	5:02:01	GGCGGACCTGGCGCGCCGGTTCGCGCGGG
65073-65096	4:01:01	CCGGGGGGGCCCGAGGCGGCCCC
65075-65101	5:02:01	GGGGGGGGCCCGAGGCGGCCCCAGGGG
65277-65302	5:02:01	CCGCGCTCGCCGCGGGCGCCCCGCC
65326-65387	12:09:03	
65400-65418	4:01:01	CCATCCACTGCCTTGGGCC
65563-65588	4:01:01	GGACGCCGGGATCCCGGACACCCCGG
65668-65686	4:01:01	CCTGGTGCCGAGCCGGCCC
65758-65790	6:03:01	
65830-65843	4:01:01	GGCCGGCGGCGCGG
65918-65947	5:02:01	
65964-65994	7:04:01	
66106-66132	6:03:01	CCCGCCGCCCGGGCCCGCGCCCGGGCC
66128-66143	4:01:01	GGGCCGCGGCGGCGGG
66155-66176	4:01:01	GGCTACGGGAGCTCGCGGCTGG
66247-66284	7:04:01	

66285	66296	65226	67772	CDS product envelope glycoprotein H
66304	66353	65226	67772	CDS product envelope glycoprotein H
CCGCGGGCCCGGGCCGGCCCCGCGCGGACGCCGCTACCACGCGTACC				
66354	66373	65226	67772	CDS product envelope glycoprotein H
66655	66673	65226	67772	CDS product envelope glycoprotein H
66678	66704	65226	67772	CDS product envelope glycoprotein H
66728	66745	65226	67772	CDS product envelope glycoprotein H
66738	66758	65226	67772	CDS product envelope glycoprotein H
66781	66815	65226	67772	CDS product envelope glycoprotein H
GGCGTCGGCGTTCCCGGCGGACGCGCAGGCGCTGG				
66849	66890	65226	67772	CDS product envelope glycoprotein H
CCATGTGCACCGCCGGCCACGCCACGGCGGCCGCCCTGGACC				
66874	66899	65226	67772	CDS product envelope glycoprotein H
66912	66931	65226	67772	CDS product envelope glycoprotein H
66914	66938	65226	67772	CDS product envelope glycoprotein H
66975	66992	65226	67772	CDS product envelope glycoprotein H
67041	67085	65226	67772	CDS product envelope glycoprotein H
GGGCCGCGCTGGACGCTGGCTGGAGGTGCGGCCCGCGGCCGCGG				
67073	67102	65226	67772	CDS product envelope glycoprotein H
CCCGCGGCCGCGGCCGAACCTCAGCGCC				
67105	67130	65226	67772	CDS product envelope glycoprotein H
67190	67206	65226	67772	CDS product envelope glycoprotein H
67357	67376	65226	67772	CDS product envelope glycoprotein H

66285-66296	4:01:01	GGGAGGCGGCGG
66304-66353	9:06:02	
66354-66373	4:01:01	GGGTCGCGGCGCGCTGGGG
66655-66673	4:01:01	CCCGGACGCCCCGCCGCC
66678-66704	6:03:01	GGCGGCTGGCCACGGCGTGGTGTCCG
66728-66745	4:01:01	GGCGAGCTGGCCTGGCGG
66738-66758	4:01:01	CCTGGCGGCCCGCCGCGGCC
66781-66815	6:03:01	
66849-66890	8:05:02	
66874-66899	6:03:01	GGCGGCCGCCCTGGACCTGGAGGAGG
66912-66931	4:01:01	CCGGCGCGCCCGGGGCCGCC
66914-66938	4:01:01	GGCGGCCCCGGGGCCGCCGCGCGG
66975-66992	4:01:01	CCTCATTCCGCCTGGACC
67041-67085	8:05:02	
67073-67102	5:02:01	
67105-67130	5:02:01	GGCGCTTGGCATGCTGGGCCGGGGG
67190-67206	4:01:01	GGCGGTGGGGCGCGGG
67357-67376	4:01:01	GGCCAGCGGCGCGTGGAGG

67381 67401 65226 67772 CDS product envelope glycoprotein H
 67543 67574 65226 67772 CDS product envelope glycoprotein H
 CCCCCGCCTCCACAGCGGCCGCTCCCGCGCCC
 67659 67689 65226 67772 CDS product envelope glycoprotein H
 GGGCTTCGGTGGCCGGGGCGCTGGTCGCGGG
 67970 68022 67966 69777 CDS product tegument protein UL21
 CCCC GGCGCCGCCCCCGCGCTCGCCTCCTCCGCCTCCTCTTCTCTCC
 68068 68086 67966 69777 CDS product tegument protein UL21
 68123 68146 67966 69777 CDS product tegument protein UL21
 68207 68240 67966 69777 CDS product tegument protein UL21
 CCAGCGCCCGCGCCAGCTCCGGCAGCCCGCCGCC
 68336 68359 67966 69777 CDS product tegument protein UL21
 68416 68454 67966 69777 CDS product tegument protein UL21
 CCGTCACCCCGCTCCCGCCGCCACCGGCGCCCGCGCC
 68455 68491 67966 69777 CDS product tegument protein UL21
 GGGGTCGGCGGGCGGCTCGCCGGGTCGGCGCGGG
 68573 68602 67966 69777 CDS product tegument protein UL21
 GGGGCGCGGGCGGCGGTGCGGGTAGTTGG
 68728 68756 67966 69777 CDS product tegument protein UL21
 CCAACGAAGCCGCGGCGCCCGCGCGGCC
 68900 68943 67966 69777 CDS product tegument protein UL21
 GGGACGGGGGGCGGCCACGGCCAGGCGTTGTGGGTCCGCGGG
 68973 68997 67966 69777 CDS product tegument protein UL21

67381-67401 5:02:01 CCGCCTCCCGGTCCCCGGCCC
 67543-67574 7:04:01
 67659-67689 6:03:01
 67970-68022 13:10:03
 68068-68086 6:03:01 CCGGCCACCCCAGCCGCC
 68123-68146 5:02:01 GGGCGGCGGGCGCGGTCTGAAGG
 68207-68240 7:04:01
 68336-68359 6:03:01 GGGAGGCCAGGCTCAGGACGGCGG
 68416-68454 9:06:02
 68455-68491 7:04:01
 68573-68602 6:03:01
 68728-68756 4:01:01
 68900-68943 7:04:01
 68973-68997 5:02:01 GGCGGCTCCGCGGCGCCCGGCGGG

69006	69021	67966	69777	CDS product tegument protein UL21	69006-69021	4:01:01	CCCGCCGGCGCCCGCC
69031	69060	67966	69777	CDS product tegument protein UL21	69031-69060	7:04:01	
CCGGCGCCGCGTCGTCCGCGCCGGCCCC							
69065	69091	67966	69777	CDS product tegument protein UL21	69065-69091	7:04:01	GGCGGACGCCGGCGGGCGGGCGGGCGG
69125	69162	67966	69777	CDS product tegument protein UL21	69125-69162	8:05:02	
CCTCCCCACGCGTCGGCCCCGCTCCCGCGGCCCGCC							
69197	69228	67966	69777	CDS product tegument protein UL21	69197-69228	7:04:01	
GGGGGCGCGCGGGCGCCGGCGCGCGCCGGCAGG							
69443	69467	67966	69777	CDS product tegument protein UL21	69443-69467	5:02:01	CCGCGCCCCGGGCCGGGGCCCCGCC
69531	69565	67966	69777	CDS product tegument protein UL21	69531-69565	8:05:02	
GGCCGCGCCGGCGGGCGGGGCGAGGGGGCCCGCGG							
69650	69662	67966	69777	CDS product tegument protein UL21	69650-69662	4:01:01	CCTCCCCGCCCCC
69671	69687	67966	69777	CDS product tegument protein UL21	69671-69687	4:01:01	CCGAGACCACCGTGCC
69938	70002	69889	70578	CDS product envelope protein UL20	69938-70002	17:14:04	
GGGCGGCGCCGAGGCGGAGGAGGGGGCGGCCGGGGCGGCGCCTCGGACGGCGAGGGGGAGGAGG							
70031	70050	69889	70578	CDS product envelope protein UL20	70031-70050	4:01:01	GGCGTACGGGGCGACGTGG
70109	70131	69889	70578	CDS product envelope protein UL20	70109-70131	4:01:01	GGCGTACGTGGTCTTTGGCGCGG
70249	70267	69889	70578	CDS product envelope protein UL20	70249-70267	5:02:01	GGCTGGCGCGGCCGCGGG
70280	70298	69889	70578	CDS product envelope protein UL20	70280-70298	4:01:01	GGGCGTGCGGGCGGACCGG
70308	70401	69889	70578	CDS product envelope protein UL20	70308-70401	16:13:04	
GGGCGCTGGCCGCGGGCGCTGCTGGCGGCGTGGTCTCTGGCGCGCGCGGCGTCTTCGCGCGGCTGCCGGCGCCTTCGCGGGCCCCG							
70424	70441	69889	70578	CDS product envelope protein UL20	70424-70441	5:02:01	GGCGGCGGCCGACGGCGG
70451	70463	69889	70578	CDS product envelope protein UL20	70451-70463	4:01:01	GGCGGCGGGGGG

70472	70497	69889	70578	CDS product envelope protein UL20	70472-70497	6:03:01	GGCCGGGCTGGCGGCGTACACGGCGG
70698	70720	70658	74833	CDS product major capsid protein	70698-70720	5:02:01	GGGCGGGCTGGTCTCCGGCCAGG
70808	70825	70658	74833	CDS product major capsid protein	70808-70825	4:01:01	CCGCCTTCGACGCCCTCC
70866	70885	70658	74833	CDS product major capsid protein	70866-70885	4:01:01	GGAGCTTGGGCTCTCGGTGG
70978	70998	70658	74833	CDS product major capsid protein	70978-70998	4:01:01	CCACACCCGGTGGACCAGCCC
71085	71119	70658	74833	CDS product major capsid protein	71085-71119	7:04:01	
GGAGGAGGCGCCGACGGGACGCAGGTCTCGTCGG							
71283	71296	70658	74833	CDS product major capsid protein	71283-71296	4:01:01	GGCGGGACCGGCGG
71415	71437	70658	74833	CDS product major capsid protein	71415-71437	4:01:01	GGGCTGCACGCCCGCCTCGGTGG
71426	71449	70658	74833	CDS product major capsid protein	71426-71449	5:02:01	CCGCCTCGGTGGCCGTGCCGCGCC
71470	71507	70658	74833	CDS product major capsid protein	71470-71507	7:04:01	
GGGCGCCCGGTGGACGGCGTGCTGGTGACGACGGCGGG							
71519	71560	70658	74833	CDS product major capsid protein	71519-71560	8:05:02	
GGCTGCTGGGCGCGTGCTGGCGCTGGCCGACTCGGAGGCGG							
71670	71707	70658	74833	CDS product major capsid protein	71670-71707	7:04:01	
GGGGCTGGAGGGGACCGCGGGCCCGGGGCTGGCCGTGG							
71745	71772	70658	74833	CDS product major capsid protein	71745-71772	6:03:01	GGCGGACCTGGTGGCCGTGGGGACCGG
71926	71948	70658	74833	CDS product major capsid protein	71926-71948	5:02:01	CCGCCGCCCGGGCACCCCGACCC
72054	72076	70658	74833	CDS product major capsid protein	72054-72076	5:02:01	GGACGTGGACCCGGTGCTGGCGG
72101	72117	70658	74833	CDS product major capsid protein	72101-72117	4:01:01	GGCGAGAGGCGGAGTGG
72148	72177	70658	74833	CDS product major capsid protein	72148-72177	5:02:01	
GGCGAGCAGGAGCTCGCGGACCAGGTGCGG							
72249	72269	70658	74833	CDS product major capsid protein	72249-72269	4:01:01	GGAGCAGATGGTGGCGCCCGG

72318	72345	70658	74833	CDS product major capsid protein	72318-72345	4:01:01	GGGGCCCGCGGACGTGGAGCTGCCGGGG
72340	72359	70658	74833	CDS product major capsid protein	72340-72359	5:02:01	CCGGGGCCGCCCAACCCGCC
72489	72512	70658	74833	CDS product major capsid protein	72489-72512	6:03:01	GGCGACGGTGGCGCGGTGCGCGG
72720	72751	70658	74833	CDS product major capsid protein	72720-72751	5:02:01	
GGACTGCACGGCGGTCTACAAGGACCTCCTGG							
72855	72872	70658	74833	CDS product major capsid protein	72855-72872	4:01:01	CCCGGCGCTCCCGCCGCC
73042	73056	70658	74833	CDS product major capsid protein	73042-73056	4:01:01	GGCGGCGCCCCGGG
73188	73210	70658	74833	CDS product major capsid protein	73188-73210	4:01:01	GGTGCAGTCGGTCGTGGTCCCGG
73206	73221	70658	74833	CDS product major capsid protein	73206-73221	4:01:01	CCCGGACCTGCCCCC
73231	73293	70658	74833	CDS product major capsid protein	73231-73293	10:07:02	
CCGCCCCGGGCCCCGAGCACCCGCGCCACCCGCTGCACCCGGCGAACCTGGTGGCCAACCTCC							
73395	73409	70658	74833	CDS product major capsid protein	73395-73409	5:02:01	GGTGGTGGAGGCGGG
73565	73579	70658	74833	CDS product major capsid protein	73565-73579	4:01:01	CCTGCCCCGACCACC
73594	73626	70658	74833	CDS product major capsid protein	73594-73626	6:03:01	
GGGCTGGGCCAGGACGCGCTGGCGGCCGCGCGG							
73809	73837	70658	74833	CDS product major capsid protein	73809-73837	5:02:01	
GGGCTTCGGGCTCACGGTCGTGCGGCAGG							
73923	73941	70658	74833	CDS product major capsid protein	73923-73941	4:01:01	GGCAGTCGGCGGCGTCGGG
73971	73996	70658	74833	CDS product major capsid protein	73971-73996	5:02:01	GGACCTCGGCGTGGGCTACACGGCGG
73997	74013	70658	74833	CDS product major capsid protein	73997-74013	4:01:01	CCTACGCCCGCGGGCC
74085	74105	70658	74833	CDS product major capsid protein	74085-74105	4:01:01	GGTGAACGGGGACGCGGACGG
74136	74162	70658	74833	CDS product major capsid protein	74136-74162	5:02:01	CCGCATCCGGCCACAGGGCCCCGCGCC
74173	74192	70658	74833	CDS product major capsid protein	74173-74192	4:01:01	CCCATCATGCCGGCCGCGCC

74196	74221	70658	74833	CDS product major capsid protein
74290	74308	70658	74833	CDS product major capsid protein
74355	74409	70658	74833	CDS product major capsid protein
CCACGGCCAGGGCGACCCGGCACCCGCGCCACCGTGAACCCGTGGGCC				
74508	74527	70658	74833	CDS product major capsid protein
74553	74567	70658	74833	CDS product major capsid protein
74617	74638	70658	74833	CDS product major capsid protein
74706	74731	70658	74833	CDS product major capsid protein
74736	74768	70658	74833	CDS product major capsid protein
GGGCGCGCCGCCGAGGGCCGGCTGGAGGAGGG				
74784	74804	70658	74833	CDS product major capsid protein
74977	75014	74940	75890	CDS product capsid triplex subunit 2
CCCCGGCGACCTCTCCACAGCGACCTGGCCGCCCTCC				
75070	75086	74940	75890	CDS product capsid triplex subunit 2
75135	75160	74940	75890	CDS product capsid triplex subunit 2
CCGCCTACCGCTGCCGGTTCCCGGCC				
75325	75341	74940	75890	CDS product capsid triplex subunit 2
75388	75437	74940	75890	CDS product capsid triplex subunit 2
GGTGGCGCGCTGGTGGCGCGCGGTGGAGGCGCTGGGGGACCGCGGGG				
75430	75450	74940	75890	CDS product capsid triplex subunit 2
75622	75641	74940	75890	CDS product capsid triplex subunit 2
75697	75714	74940	75890	CDS product capsid triplex subunit 2
75717	75733	74940	75890	CDS product capsid triplex subunit 2

74196-74221	5:02:01	GGGCACGGCGCGGGCAGGCCGCGG
74290-74308	4:01:01	GGGCGCTCGCGGGCGCGG
74355-74409	9:06:02	
74508-74527	5:02:01	GGCGGAGGTGTCGGCCAAGG
74553-74567	4:01:01	GGAGGTGGGCGCGGG
74617-74638	4:01:01	GGCACCAGGGGAGCTCGTGGAGG
74706-74731	5:02:01	CCGCCTCGCCGCGGGCGCCGCGCCC
74736-74768	7:04:01	
74784-74804	4:01:01	CCTGATCCGCGACGCCTCGCC
74977-75014	7:04:01	
75070-75086	4:01:01	GGCGGACGTGGCGCTGG
75135-75160	6:03:01	
75325-75341	4:01:01	GGCCTCGGCGGGCGCGG
75388-75437	10:07:02	
75430-75450	4:01:01	CCGCGGGGCCGCCGCGGCCCC
75622-75641	4:01:01	GGGCCTGCAGGACGGCGTGG
75697-75714	4:01:01	CCTGGAGCCGGCCGAGCC
75717-75733	4:01:01	GGGAGGACGGCAGACGG

75749	75766	74940	75890	CDS product capsid triplex subunit 2	75749-75766 4:01:01	GGGGCGCTGGCGGCCTGG
75775	75801	74940	75890	CDS product capsid triplex subunit 2	75775-75801 6:03:01	
GGCGACCCGGCTGGGGACGCGGTCGG						
75836	75866	74940	75890	CDS product capsid triplex subunit 2	75836-75866 5:02:01	
GGGCCCTCGGTGGTGCGCACGGGCGAGAAGG						
76107	76154	76098	81708	CDS product DNA packaging terminase subunit 1	76107-76154 10:07:02	
GGCGGACGGGCGGCCAGCGGGCGAAGGCGCTGTCGGTGGGCGGGAGG						
76171	76187	76098	81708	CDS product DNA packaging terminase subunit 1	76171-76187 4:01:01	
CCATCACCAGCGCCACC						
76220	76265	76098	81708	CDS product DNA packaging terminase subunit 1	76220-76265 8:05:02	
GGAGAAGGCCCGGGCCTCGCCGGGCGGCGGTGCTCTCGGTCAGG						
76228	76246	76098	81708	CDS product DNA packaging terminase subunit 1	76228-76246 4:01:01	
CCCGGGCCTCGCCGGGGCC						
76309	76331	76098	81708	CDS product DNA packaging terminase subunit 1	76309-76331 4:01:01	
GGCGCATGGTCAGCGAGGCCAGG						
76327	76354	76098	81708	CDS product DNA packaging terminase subunit 1	76327-76354 5:02:01	
CCAGGTCCTGCGAGGCCACCACGCGCCC						
76369	76389	76098	81708	CDS product DNA packaging terminase subunit 1	76369-76389 4:01:01	
GGATGAAGTGGTCAAAGGCGG						
76440	76454	76098	81708	CDS product DNA packaging terminase subunit 1	76440-76454 4:01:01	GGTGGGCGGCAGTGG
76469	76497	76098	81708	CDS product DNA packaging terminase subunit 1	76469-76497 7:04:01	
GGCGGGCATGGGCACGGCCCCGGAGGCGG						
76582	76608	76098	81708	CDS product DNA packaging terminase subunit 1	76582-76608 5:02:01	

GGCCGTCGAGGCGGCGCCGGTGCACGG					
76693	76730	76098	81708	CDS product DNA packaging terminase subunit 1	76693-76730 7:04:01
CCAGGCCAGCACCAGCCAGCTGCCGCGGTGCCGCCCC					
76736	76761	76098	81708	CDS product DNA packaging terminase subunit 1	76736-76761 5:02:01
GGCGATGCCGGAGCCGGAGGCGCGGG					
76832	76850	76098	81708	CDS product DNA packaging terminase subunit 1	76832-76850 4:01:01
GGAGGGCCGGTAGAGCAGG					
76870	76898	76098	81708	CDS product DNA packaging terminase subunit 1	76870-76898 5:02:01
GGGTGAACACGGCCGCGGGCTCGGCCCGG					
76906	76918	76098	81708	CDS product DNA packaging terminase subunit 1	76906-76918 4:01:01 CCTCGCCGCCGCC
76943	76962	76098	81708	CDS product DNA packaging terminase subunit 1	76943-76962 5:02:01
GGGCAGGAAGGTCTCGGCGG					
77034	77048	76098	81708	CDS product DNA packaging terminase subunit 1	77034-77048 4:01:01 CCGCCGTGCGCCGCC
77138	77160	76098	81708	CDS product DNA packaging terminase subunit 1	77138-77160 4:01:01
GGCCTTGCCGGTGTGGTCGAGG					
77212	77228	76098	81708	CDS product DNA packaging terminase subunit 1	77212-77228 4:01:01
GGACGGCCTCGGGGCGG					
77326	77363	76098	81708	CDS product DNA packaging terminase subunit 1	77326-77363 8:05:02
GGCGGGCCCGGGCCGGCGGCCGCGCCATGGAGG					
77331	77356	76098	81708	CDS product DNA packaging terminase subunit 1	77331-77356 5:02:01
CCCCGGGCCCCGGCCGGCCGCGGCC					
77404	77432	77358	79481	CDS product DNA packaging tegument protein UL17	77404-77432 5:02:01
CCGCGGCGCCGCAAACACGTCGTCCACC					

77457	77479	77358	79481	CDS product DNA packaging tegument protein UL17	77457-77479 5:02:01
GGGCCGCGGGGCGGACCCCGG					
77493	77506	77358	79481	CDS product DNA packaging tegument protein UL17	77493-77506 4:01:01 CCGCCGCTCCCGCC
77509	77528	77358	79481	CDS product DNA packaging tegument protein UL17	77509-77528 6:03:01
GGCGGAGGCGGCCCTGGGGG					
77666	77691	77358	79481	CDS product DNA packaging tegument protein UL17	77666-77691 5:02:01
CCCACGCAGCCCGCGGACCGGCCGCC					
77700	77716	77358	79481	CDS product DNA packaging tegument protein UL17	77700-77716 4:01:01
CCGCCCGCTCGGCGCC					
77711	77728	77358	79481	CDS product DNA packaging tegument protein UL17	77711-77728 4:01:01
GGCGCCGACGGCGGCGGG					
77808	77826	77358	79481	CDS product DNA packaging tegument protein UL17	77808-77826 4:01:01
GGCTGGAGATGCCGACGG					
77944	77968	77358	79481	CDS product DNA packaging tegument protein UL17	77944-77968 7:04:01
CCACGCCGGCCTGCCGCCCGCGCC					
77989	78012	77358	79481	CDS product DNA packaging tegument protein UL17	77989-78012 6:03:01
GGAGGCCTGCCTGGTGGAGGGCGG					
78013	78034	77358	79481	CDS product DNA packaging tegument protein UL17	78013-78034 5:02:01
CCGCGCGCCCGCTGCCGCC					
78035	78053	77358	79481	CDS product DNA packaging tegument protein UL17	78035-78053 4:01:01
GGCGGGCGGGTCTGCCCGG					
78085	78104	77358	79481	CDS product DNA packaging tegument protein UL17	78085-78104 4:01:01
CCCGGCCGAGTCGCCCGCC					

78151	78169	77358	79481	CDS product DNA packaging tegument protein UL17	78151-78169 6:03:01
GGAGGTGGTGGCGGCGCGG					
78214	78226	77358	79481	CDS product DNA packaging tegument protein UL17	78214-78226 4:01:01 GGTGGCGGCGGGG
78260	78278	77358	79481	CDS product DNA packaging tegument protein UL17	78260-78278 4:01:01
GGCGCGGCGGCCGCGCCGG					
78270	78301	77358	79481	CDS product DNA packaging tegument protein UL17	78270-78301 6:03:01
CCGCGCCGGCGCTGCCCCCGACGCCGCGGCC					
78311	78327	77358	79481	CDS product DNA packaging tegument protein UL17	78311-78327 4:01:01
CCGGCGCCTGCCGGGCC					
78341	78387	77358	79481	CDS product DNA packaging tegument protein UL17	78341-78387 8:05:02
GGCGCCGCGAGCCCGGGCTCGGCGCCGTGGCGGGCGCTGGCGGG					
78400	78422	77358	79481	CDS product DNA packaging tegument protein UL17	78400-78422 5:02:01
GGCGACGGCGGCGACCCGGCGGG					
78577	78592	77358	79481	CDS product DNA packaging tegument protein UL17	78577-78592 4:01:01 GGCGGGCTGGGGCGGG
78730	78753	77358	79481	CDS product DNA packaging tegument protein UL17	78730-78753 4:01:01
GGCGGCGCCGCTGGGCGAGCCCGG					
78749	78775	77358	79481	CDS product DNA packaging tegument protein UL17	78749-78775 5:02:01
CCCGGCGACCGCCGCCCGTGGAGGCC					
78816	78839	77358	79481	CDS product DNA packaging tegument protein UL17	78816-78839 4:01:01
GGGCGGCGTGCGCGGGCGCGCTGG					
78858	78893	77358	79481	CDS product DNA packaging tegument protein UL17	78858-78893 6:03:01
CCTGCGAGGCCCGCCCGACCTGCCCCAGCGCTTCC					
78920	78943	77358	79481	CDS product DNA packaging tegument protein UL17	78920-78943 5:02:01

GGGTGCCTGGAGGACGTGGCGCGG					
78970	79001	77358	79481	CDS product DNA packaging tegument protein UL17	78970-79001 6:03:01
GGCCGGCGCGCTGGGGGCGCTCTCGGCGCGGG					
79027	79037	77358	79481	CDS product DNA packaging tegument protein UL17	79027-79037 4:01:01 GGCGGCGGTGG
79057	79093	77358	79481	CDS product DNA packaging tegument protein UL17	79057-79093 8:05:02
CCCTGACGGCCCCGGCCTCCTGCCGTACCACCGCGCC					
79151	79169	77358	79481	CDS product DNA packaging tegument protein UL17	79151-79169 4:01:01
GGCGGGGAGGTGATCAAGG					
79189	79224	77358	79481	CDS product DNA packaging tegument protein UL17	79189-79224 7:04:01
GGCCACGACGGCGCAGGAGCCCGGGCGGCGGTGGG					
79368	79394	77358	79481	CDS product DNA packaging tegument protein UL17	79368-79394 4:01:01
CCCTGGAGGCCGACGTCGCCGCACACC					
79396	79411	77358	79481	CDS product DNA packaging tegument protein UL17	79396-79411 4:01:01 GGACTGGCCGGCGCGG
79420	79440	77358	79481	CDS product DNA packaging tegument protein UL17	79420-79440 5:02:01
GGCGGTGCTCGGGCGGCTGGG					
79441	79476	77358	79481	CDS product DNA packaging tegument protein UL17	79441-79476 8:05:02
CCGCCCCCTCCCCGCGCCCCCGCGCGCCGCCCC					
79511	79527	79508	80539	CDS product tegument protein UL16	79511-79527 4:01:01 CCGAGGACCCCGCCGCC
79671	79696	79508	80539	CDS product tegument protein UL16	79671-79696 5:02:01 CCCTGGCGCCGCCGTCCGCGTCACCC
79859	79917	79508	80539	CDS product tegument protein UL16	79859-79917 11:08:02
CCGTCCCCGTGCCGCCGACGTTCCCGACCCGAGCGCCGAGGCCTTGCCGCCCGCGCCC					
80054	80076	79508	80539	CDS product tegument protein UL16	80054-80076 4:01:01 CCCTGCTGGCCCTGTGCCCCGCC
80098	80115	79508	80539	CDS product tegument protein UL16	80098-80115 4:01:01 GGGGGCGTGCTCGGGCGG

80211	80230	79508	80539	CDS product tegument protein UL16	80211-80230 4:01:01	CCCGTGC GCCGCGCCGTGCC
80328	80357	79508	80539	CDS product tegument protein UL16	80328-80357 5:02:01	
GGGCTCGCGGCGCCGCGGATCACGGG						
80376	80427	79508	80539	CDS product tegument protein UL16	80376-80427 9:06:02	
GGCGGGCGTCGGGCCGCGGGGAGGTCGTGCCGTGAACGGCGCCGGCTGG						
80646	80663	76098	81708	CDS product DNA packaging terminase subunit 1	80646-80663 5:02:01	
CCTTTCCCCCACC						
80779	80811	76098	81708	CDS product DNA packaging terminase subunit 1	80779-80811 6:03:01	
CCGAACCACTGCCGGAGCCGCCACGATCTCC						
80920	80959	76098	81708	CDS product DNA packaging terminase subunit 1	80920-80959 7:04:01	
CCGTGCCGCCGCGGCACCAGGAACACCGTGGCCCGCTGCC						
81167	81185	76098	81708	CDS product DNA packaging terminase subunit 1	81167-81185 4:01:01	
CCGCGCCGTCGTGCCGCC						
81205	81223	76098	81708	CDS product DNA packaging terminase subunit 1	81205-81223 4:01:01	
CCCACCAGCCGGCTGAACC						
81314	81324	76098	81708	CDS product DNA packaging terminase subunit 1	81314-81324 4:01:01	CCGCCGCCTCC
81355	81375	76098	81708	CDS product DNA packaging terminase subunit 1	81355-81375 4:01:01	
CCCAGGGCCCCGCGAGCTCC						
81446	81463	76098	81708	CDS product DNA packaging terminase subunit 1	81446-81463 5:02:01	
GGCGGGAGCCGTGGCGG						
81524	81547	76098	81708	CDS product DNA packaging terminase subunit 1	81524-81547 5:02:01	
GGTGGCGCTTGGGGCCGCGACGG						
81578	81629	76098	81708	CDS product DNA packaging terminase subunit 1	81578-81629 11:08:02	

CCTCCCCGCGGGCCCCGCCGCTGCCGCCACCCTCGGCCCGCGCCCCCGCCC					
81772	81808	81771	82445	CDS product tegument protein UL14	81772-81808 6:03:01
GGCGACGGCGGCTCGCGGGAGACCCGGCGCCGGGG					
81828	81845	81771	82445	CDS product tegument protein UL14	81828-81845 5:02:01 GGCGGCGGCTGCGGCTGG
81905	81926	81771	82445	CDS product tegument protein UL14	81905-81926 4:01:01 GGCGGACCCGGGACGACCCGG
81973	81995	81771	82445	CDS product tegument protein UL14	81973-81995 5:02:01 GGGGGGCGAGATCCGGGCGGCGG
82047	82078	81771	82445	CDS product tegument protein UL14	82047-82078 6:03:01
CCGCCCCAAGCGGCCGTGGCCGCCGTGCTGGCC					
82144	82164	81771	82445	CDS product tegument protein UL14	82144-82164 4:01:01 GGACCAGGAGGAGCGCATGGG
82177	82223	81771	82445	CDS product tegument protein UL14	82177-82223 9:06:02
GGACTGCGGGGGCGACGTGGGCGTGGGCGGGGCCTGGCTGGACGGGG					
82316	82331	81771	82445	CDS product tegument protein UL14	82316-82331 4:01:01 GGAGGGCTCGCGGTGG
82366	82396	81771	82445	CDS product tegument protein UL14	82366-82396 8:05:02
GGCGGCGGCAGCGGCGGCGGGCCAGGCTGGG					
82424	82455	82354	83841	CDS product tegument serine/threonine protein kinase	82424-82455 7:04:01
CCGCCCCACAGCACCCCTGACCCCCCGCACC					
82468	82486	82354	83841	CDS product tegument serine/threonine protein kinase	82468-82486 5:02:01
CCCCCGCCTCCGGCGCGCC					
82524	82553	82354	83841	CDS product tegument serine/threonine protein kinase	82524-82553 7:04:01
CCGCCCTCGCCGCTCGGGCCCGCGATCC					
82562	82590	82354	83841	CDS product tegument serine/threonine protein kinase	82562-82590 6:03:01
CCGTGCGCCGATCCGCCCCGCGAGCCGCC					
82722	82739	82354	83841	CDS product tegument serine/threonine protein kinase	82722-82739 4:01:01

GGGGCCGGCGGCTACGGG						
82759	82781	82354	83841	CDS product tegument serine/threonine protein kinase	82759-82781	4:01:01
CCGCCGGCGTGGCCGTAAAGACC						
82870	82888	82354	83841	CDS product tegument serine/threonine protein kinase	82870-82888	4:01:01
CCGACGCCATCATCCGGCC						
82940	82970	82354	83841	CDS product tegument serine/threonine protein kinase	82940-82970	7:04:01
GGACCTGGTGGCCTACGCGGAGGCGGCGGGG						
82975	82991	82354	83841	CDS product tegument serine/threonine protein kinase	82975-82991	4:01:01
CCGTCCTGTCGCCCCGCC						
83267	83296	82354	83841	CDS product tegument serine/threonine protein kinase	83267-83296	6:03:01
CCTGCCGCCCCGACGCCCGGATGCCAGACCC						
83342	83367	82354	83841	CDS product tegument serine/threonine protein kinase	83342-83367	4:01:01
CCTCGACTTCCTTAACCGGCACGGCC						
83378	83400	82354	83841	CDS product tegument serine/threonine protein kinase	83378-83400	4:01:01
CCCCGAGCCGCTGCCCGCGGACC						
83538	83567	82354	83841	CDS product tegument serine/threonine protein kinase	83538-83567	5:02:01
GGGCTGGTCATCGGCATTCTGGCGCACCGG						
83642	83682	82354	83841	CDS product tegument serine/threonine protein kinase	83642-83682	7:04:01
GGTCGTGCGGGCGGCCATCGGCAACGTGGCGGTCCGCGCGG						
83675	83699	82354	83841	CDS product tegument serine/threonine protein kinase	83675-83699	4:01:01
CCGCGCGCCTTCGACCGCACTACC						
83947	83973	83838	85301	CDS product deoxyribonuclease	83947-83973	6:03:01 GGCCGAGGCGGCGGGCGAAGGCGACGG
84043	84067	83838	85301	CDS product deoxyribonuclease	84043-84067	5:02:01 GGCCGCGGCGCGCGGCGCCCGGGG

84087	84109	83838	85301	CDS product deoxyribonuclease	84087-84109 5:02:01 CCGCGACCCGCGGCCAGGCCGCC
84120	84184	83838	85301	CDS product deoxyribonuclease	84120-84184 10:07:02
GGTGGCTGCTCCGGCGGAGCCTGGCCACGGCCTCGTCGGTCCGCTGGGGCGCCGCCGCCCCGCGG					
84130	84151	83838	85301	CDS product deoxyribonuclease	84130-84151 4:01:01 CCGCGGAGCCTGGCCACGGCC
84171	84186	83838	85301	CDS product deoxyribonuclease	84171-84186 4:01:01 CCGCCGGCCCCGCGGCC
84295	84319	83838	85301	CDS product deoxyribonuclease	84295-84319 5:02:01 CCCGCCGCGACCTCCCGACGCC
84323	84343	83838	85301	CDS product deoxyribonuclease	84323-84343 6:03:01 GGGCTGGCGGACGGCGGGGG
84385	84398	83838	85301	CDS product deoxyribonuclease	84385-84398 4:01:01 GGCCGGGCGGCGG
84409	84428	83838	85301	CDS product deoxyribonuclease	84409-84428 5:02:01 GGCGGGGCGGGCGCAGAGG
84435	84456	83838	85301	CDS product deoxyribonuclease	84435-84456 4:01:01 CCTGCGCCTCCTGATCGACCC
84527	84544	83838	85301	CDS product deoxyribonuclease	84527-84544 4:01:01 CCGCATCCACCCAGACC
84666	84691	83838	85301	CDS product deoxyribonuclease	84666-84691 5:02:01 CCTTCCTGCGGTCCGTGCGCCGCCCC
84716	84743	83838	85301	CDS product deoxyribonuclease	84716-84743 4:01:01 GGCTGCCCCGGCGCCGCGGAAGCGCTGG
84753	84792	83838	85301	CDS product deoxyribonuclease	84753-84792 9:06:02
CCGACGCCTGGGCGCGCCCCCGCCTGCCGGCGCCGCACC					
84912	84929	83838	85301	CDS product deoxyribonuclease	84912-84929 4:01:01 GGGACACCGCGAGGCGG
85000	85035	83838	85301	CDS product deoxyribonuclease	85000-85035 5:02:01
CCTCGCGGGCCACTTCCCCGATCGCGCCGCGGCGCC					
85102	85115	83838	85301	CDS product deoxyribonuclease	85102-85115 4:01:01 GGGGCCGGGGGCGG
85233	85264	83838	85301	CDS product deoxyribonuclease	85233-85264 6:03:01 GGGCGCCGTCAAGGAGTCATGGGACAGGCGG
85275	85297	85253	85555	CDS product myristylated tegument protein	85275-85297 5:02:01
CCGATGCCGCGCAACCGCATCC					
85309	85333	85253	85555	CDS product myristylated tegument protein	85309-85333 4:01:01

GGGGACCTCGTGGCCCTGGACGCGG					
85353	85407	85253	85555	CDS product myristylated tegument protein	85353-85407 9:06:02
CCTCGACGACCTGCAGGCCCTGACGACCGGGGCCGCCCGGGCTCCGGCTCC					
85395	85441	85253	85555	CDS product myristylated tegument protein	85395-85441 9:06:02
GGGCTCCGGCTCCGGCGGCAGCGCGGGCGCCAAGGACGGCGAGG					
85459	85470	85253	85555	CDS product myristylated tegument protein	85459-85470 4:01:01 GGTGGCGGCTGG
85472	85495	85253	85555	CDS product myristylated tegument protein	85472-85495 6:03:01
CCGCCGTCGTGACCACGCCCCC					
85509	85540	85253	85555	CDS product myristylated tegument protein	85509-85540 6:03:01
CCCTCCCACGAAACCGTACCGCCGCAGCGCC					
85769	85784	85698	86957	CDS product envelope glycoprotein M	85769-85784 4:01:01 GGCGGCGGCGCCGCGG
85796	85818	85698	86957	CDS product envelope glycoprotein M	85796-85818 5:02:01 GGCGGCGTCGTCGGTGGCGCCGG
85924	85938	85698	86957	CDS product envelope glycoprotein M	85924-85938 4:01:01 GGTGGTGCAGGCAGG
85964	85989	85698	86957	CDS product envelope glycoprotein M	85964-85989 4:01:01 GGCCACGGCCAGCAGGGCGACCCGG
86006	86025	85698	86957	CDS product envelope glycoprotein M	86006-86025 4:01:01 GGCCAGCGGCAGCCCGGGGG
86167	86186	85698	86957	CDS product envelope glycoprotein M	86167-86186 5:02:01 GGAGGAGCACGGCGGCGAGG
86290	86306	85698	86957	CDS product envelope glycoprotein M	86290-86306 4:01:01 CCAGCAGACCGCCGGCC
86321	86357	85698	86957	CDS product envelope glycoprotein M	86321-86357 6:03:01
GGCGCGCCCGGGGCCAGCAGGCGGTGGGCGCGCGG					
86435	86451	85698	86957	CDS product envelope glycoprotein M	86435-86451 5:02:01 GGCGGCGGCGGCGCCGG
86461	86484	85698	86957	CDS product envelope glycoprotein M	86461-86484 6:03:01 GGTAGGTGGCCGCGGCCAGGACGG
86657	86682	85698	86957	CDS product envelope glycoprotein M	86657-86682 4:01:01 GGCCGCGACGCGAGCAGGAACAGGG
86683	86705	85698	86957	CDS product envelope glycoprotein M	86683-86705 4:01:01 CCGTGTACCCGAGAAAGCCGCC

86745	86780	85698	86957	CDS product envelope glycoprotein M	86745-86780 7:04:01
CCGAGCTCCCGCCGCGCCACGCGCCGCGTCGGCC					
87112	87131	87078	89549	CDS product DNA replication origin-binding helicase	87112-87131 5:02:01
CCGGCGCCACCCGCGCC					
87154	87174	87078	89549	CDS product DNA replication origin-binding helicase	87154-87174 4:01:01
CCCCGTCTCCCTGCCCTCCCC					
87252	87281	87078	89549	CDS product DNA replication origin-binding helicase	87252-87281 6:03:01
GGCTGGGCGAGGCGCTGGGGGCGCCGCGG					
87403	87437	87078	89549	CDS product DNA replication origin-binding helicase	87403-87437 7:04:01
GGGCGCGCCTACCGCGGCTGCTGGTGCAGGTGG					
87573	87617	87078	89549	CDS product DNA replication origin-binding helicase	87573-87617 7:04:01
GGCTGCTGCGGCGGTGCCGCGGATTGTGGCGATGGACGCGACGG					
87754	87791	87078	89549	CDS product DNA replication origin-binding helicase	87754-87791 8:05:02
GGCGGCGCGGCTCGGGGGGACGACGGCGGCGCCGGGG					
88216	88237	87078	89549	CDS product DNA replication origin-binding helicase	88216-88237 6:03:01
GGTGGCCGCGGACGGCGGCTGG					
88282	88307	87078	89549	CDS product DNA replication origin-binding helicase	88282-88307 5:02:01
CCGCGCGCCTGCGCGCCCGCCTTCC					
88545	88558	87078	89549	CDS product DNA replication origin-binding helicase	88545-88558 4:01:01
CCGGCCTCCCGCCC					
88569	88603	87078	89549	CDS product DNA replication origin-binding helicase	88569-88603 7:04:01
CCGAGGGCCTGGCCGAGCACCCGCGGTGGCCGCC					
88861	88884	87078	89549	CDS product DNA replication origin-binding helicase	88861-88884 5:02:01

GGCCAACTGGCGGCTGTTCGGCGG					
89073	89098	87078	89549	CDS product DNA replication origin-binding helicase	89073-89098 4:01:01
CCCGCGGGCCCGTAGTCGCCGTTGCC					
89103	89153	87078	89549	CDS product DNA replication origin-binding helicase	89103-89153 10:07:02
GGCTCTCCGGGCGGGGGCCGGCGCAGGGCGGGCGTGGGGCTGGGCGCGG					
89179	89209	87078	89549	CDS product DNA replication origin-binding helicase	89179-89209 6:03:01
GGTGATATGGGAGGAGGTGTTCCGGGCCCCG					
89305	89327	87078	89549	CDS product DNA replication origin-binding helicase	89305-89327 5:02:01
CCGCGCCGGCCGCGCCACGCACC					
89407	89467	87078	89549	CDS product DNA replication origin-binding helicase	89407-89467 11:08:02
CCGGCTCCTCGGCCTCGCCGCGCGCCCCGAGCCCCGGCCCGACGCGCCCCCGAGGCC					
89749	89764	89647	91920	CDS product helicase-primase subunit	89749-89764 4:01:01 GGCGGGCGACGGCGG
89826	89859	89647	91920	CDS product helicase-primase subunit	89826-89859 6:03:01
GGCGCGGGGACGTGACGGCCGCGCGTTGGAGG					
89872	89886	89647	91920	CDS product helicase-primase subunit	89872-89886 4:01:01 CCGCCGCGCTCCCC
90037	90062	89647	91920	CDS product helicase-primase subunit	90037-90062 6:03:01
CCGCCGAGGAGCCCCCGACCGCGC					
90095	90144	89647	91920	CDS product helicase-primase subunit	90095-90144 9:06:02
GGCGCTGCGGCTGGCCGTCGAGGAGGACGCGGTGCGCGGGCGGCCGCG					
90139	90152	89647	91920	CDS product helicase-primase subunit	90139-90152 4:01:01 CCGCGCCGCCCC
90208	90233	89647	91920	CDS product helicase-primase subunit	90208-90233 4:01:01
CCAACTTCGCGCGCCCGGGAACGCC					
90283	90301	89647	91920	CDS product helicase-primase subunit	90283-90301 4:01:01 CCGACATCGCCAGCCCC

90439	90458	89647	91920	CDS product helicase-primase subunit	90439-90458	4:01:01	CCTTCTCCCCGGTGGCCGCC
90498	90530	89647	91920	CDS product helicase-primase subunit	90498-90530	6:03:01	
				GGCGGGCCGGCGCAGGTCCTCGGCTTCTGGGG			
90782	90823	89647	91920	CDS product helicase-primase subunit	90782-90823	9:06:02	
				GGCGGGCGGGCAGCGGCGACGGCGGGACTGGCCCCGCGG			
90895	90929	89647	91920	CDS product helicase-primase subunit	90895-90929	6:03:01	
				CCTTCTCCCCACCCTGTACGCCACCTCGTTCCC			
91073	91095	89647	91920	CDS product helicase-primase subunit	91073-91095	4:01:01	GGCGGCCCGCGTGGAGCGCGCGG
91133	91158	89647	91920	CDS product helicase-primase subunit	91133-91158	4:01:01	
				GGACGGCTTCTGGGGCGCCTTCGGGG			
91471	91493	89647	91920	CDS product helicase-primase subunit	91471-91493	4:01:01	CCGTTGCCCCGGCCAGAGCGCCCC
91510	91523	89647	91920	CDS product helicase-primase subunit	91510-91523	4:01:01	CCGCCCGCGCGGCC
91646	91667	89647	91920	CDS product helicase-primase subunit	91646-91667	4:01:01	GGACGCGGACCACGGCCCCCGG
91655	91669	89647	91920	CDS product helicase-primase subunit	91655-91669	4:01:01	CCACGGCCCCCGGCC
91701	91747	89647	91920	CDS product helicase-primase subunit	91701-91747	9:06:02	
				CCCTTCCCCTGCCCTGGACCCTCTACCGCGCCCCGTCCTGCTCCC			
91833	91861	89647	91920	CDS product helicase-primase subunit	91833-91861	6:03:01	
				GGCGGGGACGGCGAGGGCGAGGACGACGG			
92135	92158	91977	92882	CDS product tegument protein UL7	92135-92158	6:03:01	CCCGCCGCGCCGCGCCGCGCCGCC
92336	92351	91977	92882	CDS product tegument protein UL7	92336-92351	4:01:01	GGGCGGCGGGCGCAGG
92456	92514	91977	92882	CDS product tegument protein UL7	92456-92514	12:09:03	
				GGTCTCGGGCGGTACAAGGCCAGCCGTACGGCAGCACGGCGGGCGGCACGGTGGTGG			
92563	92577	91977	92882	CDS product tegument protein UL7	92563-92577	4:01:01	GGAAGCCGGCATGG

[illegible]

94319	94343	92764	94932	CDS product capsid portal protein	94319-94343 5:02:01	CCAGGCGCCGAGCCAGCTCCCCGCC
94344	94354	92764	94932	CDS product capsid portal protein	94344-94354 4:01:01	GGCGGCGGAGG
94355	94368	92764	94932	CDS product capsid portal protein	94355-94368 4:01:01	CCGCCCCCGGCGCC
94363	94381	92764	94932	CDS product capsid portal protein	94363-94381 4:01:01	GGCGCCTGGACGGTGCCGG
94378	94402	92764	94932	CDS product capsid portal protein	94378-94402 5:02:01	CCGGCACCGCGAGGCCGATGCCGCC
94445	94468	92764	94932	CDS product capsid portal protein	94445-94468 4:01:01	GGGCGAAGCTGGCCGGGCTGCCGG
94457	94476	92764	94932	CDS product capsid portal protein	94457-94476 4:01:01	CCGGGCTGCCGGCGCCCCC
94559	94595	92764	94932	CDS product capsid portal protein	94559-94595 7:04:01	
CCGCGAGCCGCACCACCTCTGCCTCGCCGGCGGCGCC						
94650	94668	92764	94932	CDS product capsid portal protein	94650-94668 4:01:01	CCAATCCCGCGCCACGTCC
94833	94866	92764	94932	CDS product capsid portal protein	94833-94866 5:02:01	
CCGCACCCACTCGCCCGGCGGCCCCGGAGCGCCC						
94849	94869	92764	94932	CDS product capsid portal protein	94849-94869 4:01:01	GGCGGCCCCGGAGCGCCCGGG
95057	95100	94982	97498	CDS product helicase-primase helicase subunit	95057-95100 9:06:02	
GGATCCGGCAGCTGGCGGCCGCGCGGCTGCCGGCGGCGGCCGG						
95118	95144	94982	97498	CDS product helicase-primase helicase subunit	95118-95144 4:01:01	
CCGCGCGGCCGCGGCGGCCGAGTCCCC						
95306	95323	94982	97498	CDS product helicase-primase helicase subunit	95306-95323 5:02:01	
CCGCCGCCTACCACAGCC						
95411	95428	94982	97498	CDS product helicase-primase helicase subunit	95411-95428 4:01:01	
CCAGCCCGCCCAGCATCC						
95486	95503	94982	97498	CDS product helicase-primase helicase subunit	95486-95503 4:01:01	
GGCGGCTGCTGGGCGCGG						

95538	95556	94982	97498	CDS product helicase-primase helicase subunit GGCGGAGCTCGCGCGGGG	95538-95556 4:01:01
95646	95664	94982	97498	CDS product helicase-primase helicase subunit GGCCGGGCTGCTGGGCCGG	95646-95664 4:01:01
95847	95871	94982	97498	CDS product helicase-primase helicase subunit CCTCACCTGCCTTATCACCAACCCC	95847-95871 5:02:01
96114	96130	94982	97498	CDS product helicase-primase helicase subunit CCGCCTCCACGCGCACC	96114-96130 4:01:01
96216	96236	94982	97498	CDS product helicase-primase helicase subunit CCGCACCGCCACGGGCCAGCC	96216-96236 5:02:01
96228	96275	94982	97498	CDS product helicase-primase helicase subunit GGGCCAGCCGGGCTGGGGTGGAAAAATGGCTGCAGGCCAACTCGGG	96228-96275 8:05:02
96300	96323	94982	97498	CDS product helicase-primase helicase subunit CCGCGACCAGGACGCCAGTCCACC	96300-96323 5:02:01
96586	96604	94982	97498	CDS product helicase-primase helicase subunit CCCGCCTGGACCCGGGCC	96586-96604 4:01:01
96589	96610	94982	97498	CDS product helicase-primase helicase subunit GGCCTGGACCCGGGCCGCGTGG	96589-96610 4:01:01
96666	96700	94982	97498	CDS product helicase-primase helicase subunit GGACGACGCGGTCTGACTGGCGGGGCTGGCGGCGG	96666-96700 8:05:02
96712	96733	94982	97498	CDS product helicase-primase helicase subunit GGCTCTGAGGCCGGCGCCGGGG	96712-96733 4:01:01
96807	96826	94982	97498	CDS product helicase-primase helicase subunit	96807-96826 4:01:01

CCAGCGCCCTACGTCCGCCC					
96988	97006	94982	97498	CDS product helicase-primase helicase subunit	96988-97006 4:01:01
GGCGGGCTGGTCTCCATGG					
97068	97089	94982	97498	CDS product helicase-primase helicase subunit	97068-97089 5:02:01
GGAGGAGCCCGGCCGGCGCCGG					
97075	97095	94982	97498	CDS product helicase-primase helicase subunit	97075-97095 4:01:01
CCCGGCCGGCGCCGGCTCCCC					
97200	97219	94982	97498	CDS product helicase-primase helicase subunit	97200-97219 4:01:01
GGAGGCGCTGGACGACAGGG					
97268	97300	94982	97498	CDS product helicase-primase helicase subunit	97268-97300 6:03:01
CCATGACCATCGCCCGCTCCCAGGGCCTGAGCC					
97379	97409	94982	97498	CDS product helicase-primase helicase subunit	97379-97409 6:03:01
CCTCCCGCTTCTCCGGATGAACCTCAACCC					
97588	97608	97519	98085	CDS product nuclear protein UL4	97588-97608 4:01:01 CCCCCCTGTGGGCCCTGCCCC
97652	97674	97519	98085	CDS product nuclear protein UL4	97652-97674 5:02:01 GGTGTCGGTGTGCGGCGGGCTGG
97845	97860	97519	98085	CDS product nuclear protein UL4	97845-97860 4:01:01 GGGTGGGTGGCGACGG
97895	97920	97519	98085	CDS product nuclear protein UL4	97895-97920 4:01:01 CCTGCTGGCCGTGTGCCTGGGCGCCC
97955	97988	97519	98085	CDS product nuclear protein UL4	97955-97988 7:04:01
CCAGAGCCTGGCGCCGGCGGCCGCGCGCCCCC					
98041	98063	97519	98085	CDS product nuclear protein UL4	98041-98063 6:03:01 CCCGCCCCCAAACCCCTCCCC
98157	98204	98112	98558	CDS product protein V57	98157-98204 11:08:02
GGGGGCGGCGGGGCGCGCGGCGCTCGGCGCTGGGAGGGAGAGGGG					
98245	98276	98112	98558	CDS product protein V57	98245-98276 5:02:01 GGCGCGGCGCCCGGCCTCTTCGGGCGAGGGG

98320	98375	98112	98558	CDS product protein V57	98320-98375 10:07:02
GGAGGCTCGGGGCCCTGCGGACGCGCCGGGGACGGGGTGGCCGCTGGGGCTCGGG					
98379	98405	98112	98558	CDS product protein V57	98379-98405 7:04:01 CCGCCAGGGCCGCCCTCCCCGGCCGCC
98435	98462	98112	98558	CDS product protein V57	98435-98462 6:03:01 GGCCGCGGCGGCGCGGTTGGACGCGAGG
98476	98510	98112	98558	CDS product protein V57	98476-98510 8:05:02 CCGCCACCGTGGCCACCCGGGCCTCCCCGAAGACC
98521	98539	98112	98558	CDS product protein V57	98521-98539 4:01:01 CCTCGCCGAGACCTCGCC
98815	98842	98564	99217	CDS product nuclear protein UL3	98815-98842 6:03:01 CCCGCGCGCCGCGGCCCGCCCGCCGCC
98827	98857	98564	99217	CDS product nuclear protein UL3	98827-98857 5:02:01 GGCCCGCCCGGCCGCGGCTTGCGCGCGGG
99014	99083	98564	99217	CDS product nuclear protein UL3	99014-99083 13:10:03
GGGTCCGGCTCTGGCGCGGGCCCGGGCTCTGCGGGCGCTGGGGCGCGGGCCTGGCCGGCTTGGGCCCGG					
99103	99135	98564	99217	CDS product nuclear protein UL3	99103-99135 6:03:01
CCCGGGCCCGCACCCGCGCTTTCACCGTCACC					
99139	99158	98564	99217	CDS product nuclear protein UL3	99139-99158 5:02:01 GGCGGCGGGCTCGGCCGCGG
99153	99184	98564	99217	CDS product nuclear protein UL3	99153-99184 7:04:01 CCGCGGCAACACCCGCCAGCCGCGGGCCGCC
99395	99420	99264	100160	CDS product uracil-DNA glycosylase	99395-99420 5:02:01 CCGCTTCCCGGCCGCCCCAAAGGCC
99481	99512	99264	100160	CDS product uracil-DNA glycosylase	99481-99512 7:04:01
CCAGCACCGCGTGCACCAGCCGCCCCAGCCC					
99586	99604	99264	100160	CDS product uracil-DNA glycosylase	99586-99604 4:01:01 CCCAGGCCTCCAGGCAGCC
99661	99679	99264	100160	CDS product uracil-DNA glycosylase	99661-99679 5:02:01 GGAGGCTGGGCGGGATCGG
99703	99721	99264	100160	CDS product uracil-DNA glycosylase	99703-99721 4:01:01 CCAGGCCGTGGGCCTGCC
99724	99749	99264	100160	CDS product uracil-DNA glycosylase	99724-99749 5:02:01 GGCTGTGGTAGGGTCTTGCCAGG
99929	99962	99264	100160	CDS product uracil-DNA glycosylase	99929-99962 6:03:01
GGCGGCGAAGGCGCTCCAGGTGACGGCGCGCTGG					

99998	100086	99264	100160	CDS product uracil-DNA glycosylase	99998-100086	16:13:04	
GGGGCGCCGGCGCTTGGGCGGCGGGCGCCCGGGGGGCGACGGGGGGCTCCGGCGGGCCGAGGGCTTGGGGGACGAAGGCGCCGGGG							
100081	100103	99264	100160	CDS product uracil-DNA glycosylase	100081-100103	4:01:01	CCGGGGCCGAAGACTCCGGAGCC
100098	100137	99264	100160	CDS product uracil-DNA glycosylase	100098-100137	8:05:02	
GGAGCCGAGGGCTCGGGGGCCAAGGCCAAGGGCTTGGGGG							
100164	100203	100144	100632	CDS product envelope glycoprotein L	100164-100203	7:04:01	
GGAGCTGCAGGGACCGCCGTGTGGTACCGGGGCGGCAGG							
100213	100239	100144	100632	CDS product envelope glycoprotein L	100213-100239	7:04:01	
GGTGGCGGCGGGAGCGGCGCGCGG							
100274	100307	100144	100632	CDS product envelope glycoprotein L	100274-100307	5:02:01	
CCTGGACGGCCAAGTCCCGATACCGGGGTGCC							
100385	100404	100144	100632	CDS product envelope glycoprotein L	100385-100404	4:01:01	CCGCGTACCACAGCGCGCC
100438	100461	100144	100632	CDS product envelope glycoprotein L	100438-100461	5:02:01	CCTGCCAGCTCCAGGACCGCGTCC
100490	100519	100144	100632	CDS product envelope glycoprotein L	100490-100519	6:03:01	
GGTCGCCGCGGCACGGCTCGGCCAGGATGG							
100523	100564	100144	100632	CDS product envelope glycoprotein L	100523-100564	6:03:01	
CCGCGCTGTCCACGCGCCGCGCCGCAAGCCCGGGAGCC							
100574	100600	100144	100632	CDS product envelope glycoprotein L	100574-100600	5:02:01	
CCGCCAGCAGCGCCGCCAGCAGCGCCC							
101708	101752	101677	103839	CDS product ubiquitin E3 ligase ICP0	101708-101752	9:06:02	
GGTGGTGTGGCGGGTGGGCTGCGGGTCGCGGGTAGGGGCGGGG							
101776	101796	101677	103839	CDS product ubiquitin E3 ligase ICP0	101776-101796	6:03:01	
CCGCCGCCAGGAGCCGCCGCC							

101805	101836	101677	103839	CDS product ubiquitin E3 ligase ICP0	101805-101836	6:03:01	
				GGCCGAGCGGCTGGCCGGGCTCGGGCCTGGG			
101874	101892	101677	103839	CDS product ubiquitin E3 ligase ICP0	101874-101892	5:02:01	GGCGGGGTCTTTAGGAGG
101903	101919	101677	103839	CDS product ubiquitin E3 ligase ICP0	101903-101919	4:01:01	CCCAGGCGGCCACCTCC
101959	102001	101677	103839	CDS product ubiquitin E3 ligase ICP0	101959-102001	8:05:02	
				CCGGGGTCCAGGCCGTCCCGCGCCATGGCGCCCGGGGCTCC			
103264	103300	101677	103839	CDS product ubiquitin E3 ligase ICP0	103264-103300	7:04:01	
				CCCACCAGAGCGCCCTCGACCCACTCCAGCACCCGCC			
103313	103329	101677	103839	CDS product ubiquitin E3 ligase ICP0	103313-103329	4:01:01	CCCCGGCCCGTGCCCC
103330	103359	101677	103839	CDS product ubiquitin E3 ligase ICP0	103330-103359	5:02:01	
				GGCGCGTTCGGCAGCAGGGCAGCGCGGG			
103415	103459	101677	103839	CDS product ubiquitin E3 ligase ICP0	103415-103459	6:03:01	
				GGCGCCCGCCCCGTCGGCCGCCCGGCCCTTGGGGCCCTCGG			
103419	103466	101677	103839	CDS product ubiquitin E3 ligase ICP0	103419-103466	8:05:02	
				CCCGGCCCGTCGGCCGCCCGGCCCTTGGGGCCCTCGGCCTCCCC			
103479	103500	101677	103839	CDS product ubiquitin E3 ligase ICP0	103479-103500	5:02:01	
				CCCGGCGTCCCCGCCGGCCGCC			
103559	103594	101677	103839	CDS product ubiquitin E3 ligase ICP0	103559-103594	7:04:01	
				CCGCGTCCGACGCGCGTCTGCCTCCGGCCCTCCCC			
103697	103733	101677	103839	CDS product ubiquitin E3 ligase ICP0	103697-103733	7:04:01	
				GGCGGATGCAGGCCAGGCAGAAGGCGTGCAGGCAGGG			
103792	103817	101677	103839	CDS product ubiquitin E3 ligase ICP0	103792-103817	7:04:01	
				GGGGCGGCGGCGGCGGCGGCAGAAGG			

105167	105207	105114	109340	CDS product transcriptional regulator ICP4	105167-105207	8:05:02	
GGACGCGGACGACGAGGAGGACGCGGAGGACGCGGACGAGG							
105217	105255	105114	109340	CDS product transcriptional regulator ICP4	105217-105255	7:04:01	
CCACGCGCGCCGGCCCGCGCCGCGGGCCGGGGCCGGGGCC							
105240	105268	105114	109340	CDS product transcriptional regulator ICP4	105240-105268	6:03:01	
GGCCGGGGCCGGGGCCGGGGCGCGGCGCGG							
105270	105320	105114	109340	CDS product transcriptional regulator ICP4	105270-105320	10:07:02	
CCCCCGCCGATGCCCGCTGCCGCGCCCGGGAAGCCCGAGTCCGTGCC							
105336	105354	105114	109340	CDS product transcriptional regulator ICP4	105336-105354	4:01:01	
GGCGCCAGGCCGGCGGGG							
105382	105464	105114	109340	CDS product transcriptional regulator ICP4	105382-105464	14:11:03	
CCGGGACGCCCGCGCGCGCTGCACCAGCGTCTCCCGCGGGCCCTGGTCCGCGTCCCAGGCCACGCCGGCGCGCGGCC							
105443	105483	105114	109340	CDS product transcriptional regulator ICP4	105443-105483	9:06:02	
GGCCACGCCGGGCGCCGCGGCCGCGGCGGCGGGGGCGG							
105486	105500	105114	109340	CDS product transcriptional regulator ICP4	105486-105500	4:01:01	CCCGCCTCCAGCACC
105504	105523	105114	109340	CDS product transcriptional regulator ICP4	105504-105523	4:01:01	
GGCGGCGCCTCGGCGTGCGG							
105550	105563	105114	109340	CDS product transcriptional regulator ICP4	105550-105563	4:01:01	CCACCGCCGCGGCC
105596	105621	105114	109340	CDS product transcriptional regulator ICP4	105596-105621	5:02:01	
CCGCCCCGAGGCCAGGTACACCGGCC							
105605	105628	105114	109340	CDS product transcriptional regulator ICP4	105605-105628	4:01:01	
GGCCAGGTACACCGGCCGAGCGG							
105646	105666	105114	109340	CDS product transcriptional regulator ICP4	105646-105666	6:03:01	

GGTTGGCGGCGGGTGGCTGG							
105667 105710 105114 109340 CDS product transcriptional regulator ICP4	105667-105710	8:05:02					
CCGCCTCGCCCTCCGCGAAGTCCGGCTCCCCGAGCCCCAGCGCC							
105724 105747 105114 109340 CDS product transcriptional regulator ICP4	105724-105747	4:01:01					
CCATGTCCTTGCGCCCGTCGAGCC							
105777 105816 105114 109340 CDS product transcriptional regulator ICP4	105777-105816	7:04:01					
GGCGGCACGGGCACCGCGGTGCGGGGCCAGGCGCGTGG							
106027 106045 105114 109340 CDS product transcriptional regulator ICP4	106027-106045	4:01:01					
CCTGCCCCGACGGCCGGGCC							
106091 106113 105114 109340 CDS product transcriptional regulator ICP4	106091-106113	6:03:01					
CCGCCGCCGCGCCGCGGCCAGCC							
106201 106227 105114 109340 CDS product transcriptional regulator ICP4	106201-106227	5:02:01					
CCGGCGCGCCCGTCCAGGACCCGGCCC							
106289 106320 105114 109340 CDS product transcriptional regulator ICP4	106289-106320	6:03:01					
CCCGCCGCGCACCGGCGGCCACTCAGGCCGCC							
106302 106322 105114 109340 CDS product transcriptional regulator ICP4	106302-106322	4:01:01					
GGCGGCCACTCAGGCCGCCGG							
106345 106360 105114 109340 CDS product transcriptional regulator ICP4	106345-106360	4:01:01	CGCCAGCGCCTCCCC				
106421 106437 105114 109340 CDS product transcriptional regulator ICP4	106421-106437	4:01:01					
CCAGGCCACGCGCCGCC							
106530 106559 105114 109340 CDS product transcriptional regulator ICP4	106530-106559	5:02:01					
GGGCGCCAGGGCTCGGGGAAGAGCGGGTGG							
106561 106580 105114 109340 CDS product transcriptional regulator ICP4	106561-106580	4:01:01					

CCGCGAGCCGCGCCGCGACC							
106610	106631	105114	109340	CDS product transcriptional regulator ICP4	106610-106631	4:01:01	
GGCGCTGGGCGCGGGCGTGTGG							
106640	106655	105114	109340	CDS product transcriptional regulator ICP4	106640-106655	4:01:01	GGGCGGCACGCGGCGG
106667	106694	105114	109340	CDS product transcriptional regulator ICP4	106667-106694	6:03:01	
GGCGGCGGGGCCCGGGCGGCATGGGG							
106705	106720	105114	109340	CDS product transcriptional regulator ICP4	106705-106720	4:01:01	GGGCGGGCAGCGGCGG
106734	106785	105114	109340	CDS product transcriptional regulator ICP4	106734-106785	9:06:02	
GGGGACCCGGCGGCGCGCCGGCTTTTGCCGCGCCGGGCCCTGGCCCCGG							
106762	106787	105114	109340	CDS product transcriptional regulator ICP4	106762-106787	5:02:01	
CCGGCGCCGGGCCCTGGCCCCGCC							
106806	106832	105114	109340	CDS product transcriptional regulator ICP4	106806-106832	5:02:01	
GGCGGGCCGTCGCGCGGGCCTCGAGG							
106825	106841	105114	109340	CDS product transcriptional regulator ICP4	106825-106841	4:01:01	
CCTCGAGGCCCGCCCCC							
106856	106878	105114	109340	CDS product transcriptional regulator ICP4	106856-106878	6:03:01	
GGCGGCCGGGAGGGCCGGGCGG							
106894	106911	105114	109340	CDS product transcriptional regulator ICP4	106894-106911	5:02:01	
GGGCGGCAGGGCCGGCGG							
106905	107018	105114	109340	CDS product transcriptional regulator ICP4	106905-107018	24:21:06	
CCGGCGGCCCTCGTCCCTTTCTTCCTCCTCCTCCTCGGCCCCGTCGGGGCCCCCAGCTCCTCCGGCCCCAGCACCTCCACCGCCGCGCCGGGCTCCGGCCC							
107003	107082	105114	109340	CDS product transcriptional regulator ICP4	107003-107082	14:11:03	
GGCCGGGCTCCGGCCCGACTAGGGCCCGGGCTGAGGCTGGGGCTCGGGCCTGGCGGCCCGCGCGGGGCTCCCGCGGG							

[illegible]

GGGCCCCGGGCGCTGGCGGCAGCGGCGCCGG						
107970 108002 105114 109340 CDS product transcriptional regulator ICP4	107970-108002	7:04:01				
CCCGCGCCCGCGCGCCGGCCTCCGGGTAGGCC						
107981 108007 105114 109340 CDS product transcriptional regulator ICP4	107981-108007	5:02:01				
GGCGCCGGCCTCCGGGTAGGCCATGGG						
108064 108084 105114 109340 CDS product transcriptional regulator ICP4	108064-108084	4:01:01				
GGCGGCTCATGGCCACGCAGG						
108292 108308 105114 109340 CDS product transcriptional regulator ICP4	108292-108308	4:01:01				
CCAGGTCCACCAGCGCC						
108320 108338 105114 109340 CDS product transcriptional regulator ICP4	108320-108338	4:01:01				
CCCCGCGTCCCCATCTCC						
108352 108371 105114 109340 CDS product transcriptional regulator ICP4	108352-108371	4:01:01				
CCGCGGGCCCCGCGCCGCC						
108454 108469 105114 109340 CDS product transcriptional regulator ICP4	108454-108469	5:02:01	GGCCGGGCGGCGGCGG			
108477 108493 105114 109340 CDS product transcriptional regulator ICP4	108477-108493	4:01:01				
CCGGGCCAGGCCTCGCC						
108479 108499 105114 109340 CDS product transcriptional regulator ICP4	108479-108499	4:01:01				
GGGCCAGGCCTCGCCGAGGG						
108585 108647 105114 109340 CDS product transcriptional regulator ICP4	108585-108647	11:08:02				
GGGCGCCGCGGCGAGGCGCCGGGCCCTGGCCTTGGCTGGATCCGCGGGCGGTCCGGCGGGG						
108650 108671 105114 109340 CDS product transcriptional regulator ICP4	108650-108671	4:01:01				
CCCCCGGCGCCAGGGCTCCCC						
108683 108715 105114 109340 CDS product transcriptional regulator ICP4	108683-108715	6:03:01				

CCCCGAGTCCCCGGCCCCGAGTCCCTAAATCC						
108722 108738 105114 109340 CDS product transcriptional regulator ICP4	108722-108738	5:02:01				
GGCCGCGGCGGCGGCGG						
108739 108759 105114 109340 CDS product transcriptional regulator ICP4	108739-108759	4:01:01				
CCCCCGTGTCATCCCCAATCC						
108770 108792 105114 109340 CDS product transcriptional regulator ICP4	108770-108792	5:02:01				
GGCATCGGCCCCGAGTCGGCGG						
108806 108837 105114 109340 CDS product transcriptional regulator ICP4	108806-108837	6:03:01				
GGTCCCCGGCTCGGGCTTGGGCTGGCTTCGG						
108887 108901 105114 109340 CDS product transcriptional regulator ICP4	108887-108901	4:01:01	GGGCGCAGGCGGCGG			
108922 108939 105114 109340 CDS product transcriptional regulator ICP4	108922-108939	4:01:01				
GGGCGGCGGCCACGACGG						
108931 108959 105114 109340 CDS product transcriptional regulator ICP4	108931-108959	6:03:01				
CCACGACGGCCGCTCAGCCGCGGCCGCC						
108953 108975 105114 109340 CDS product transcriptional regulator ICP4	108953-108975	5:02:01				
GGCCGCCTCGGCTTCGGCGGCGG						
108979 109046 105114 109340 CDS product transcriptional regulator ICP4	108979-109046	12:09:03				
CCTCCGCCGCGGCCGCGAGCGCCCGCGCGGCCAGGCGCCCCGCGCGGCGTCTCTGGGGCC						
109010 109032 105114 109340 CDS product transcriptional regulator ICP4	109010-109032	4:01:01				
GGCCCAGGCGCCCCCGCCGCGG						
109041 109088 105114 109340 CDS product transcriptional regulator ICP4	109041-109088	7:04:01				
GGGGCCTCGGAGGGCGCGAGGCCCGGGCCCCCGGGTTCTCCGGG						
109057 109109 105114 109340 CDS product transcriptional regulator ICP4	109057-109109	12:09:03				

CCGAGGCCCCGGGCCCCCGGGTTCTCCGGGTCTCTCTTCCTCCTCCCC			
109144 109175 105114 109340 CDS product transcriptional regulator ICP4	109144-109175	7:04:01	
CCCCCGCGCCACCATGCGCCACAGCTCCGCC			
109181 109199 105114 109340 CDS product transcriptional regulator ICP4	109181-109199	4:01:01	
GGCGCGGGCGGCCCGCCGG			
109240 109277 105114 109340 CDS product transcriptional regulator ICP4	109240-109277	9:06:02	
CCGGGTCTCTCTCCGGGCCCCCTCCGGGCCGAGGTCC			
114243 114306 114207 115151 CDS product regulatory protein ICP22	114243-114306	11:08:02	
CCTGCCGCCTCTGCCGCTCGCCGACCGGTGCTCCCAGGGCCCGCCTGCCAGGCGGGCCC			
114316 114342 114207 115151 CDS product regulatory protein ICP22	114316-114342	5:02:01	
CCGCCGCGGGCCTGGCGCCTTCTGCCC			
114536 114560 114207 115151 CDS product regulatory protein ICP22	114536-114560	4:01:01	
CCCGAGCAGGCCGCCCCGCTGCACC			
114611 114633 114207 115151 CDS product regulatory protein ICP22	114611-114633	5:02:01	
CCCCCGCGCGCCTGCCGGGCCC			
114744 114758 114207 115151 CDS product regulatory protein ICP22	114744-114758	4:01:01	CCGCCGTCCCCTCCC
114777 114844 114207 115151 CDS product regulatory protein ICP22	114777-114844	15:12:03	
CCGCCTCCGGGCCCCCTCTTCCTCCGCGCCTCTCCCGGTCTCGGCCTCGTCGTCCTCGTCGTCC			
114956 114975 114207 115151 CDS product regulatory protein ICP22	114956-114975	5:02:01	GGCGCCAACGGCGGCGGCGG
114981 115004 114207 115151 CDS product regulatory protein ICP22	114981-115004	6:03:01	
CCGCCGCCGCGCGACAACCCCC			
115036 115054 114207 115151 CDS product regulatory protein ICP22	115036-115054	5:02:01	CCGCCGCCGCCCCGCGCCC
115068 115108 114207 115151 CDS product regulatory protein ICP22	115068-115108	8:05:02	

CCTCCGGCTCCTCGACGGCCTCGTCGCCGGGCCCCGTCCCCC							
115124	115139	114207	115151	CDS product regulatory protein ICP22	115124-115139	4:01:01	CCGCCCAGGCGCCGCC
115968	115990	115937	116680	CDS product virion protein V67	115968-115990	5:02:01	CCCGCCGCGGGCCCGCCCGGCC
115976	116004	115937	116680	CDS product virion protein V67	115976-116004	7:04:01	
GGGCCCCGCCCCGGCCGGCGGCTGCGGCGG							
116130	116145	115937	116680	CDS product virion protein V67	116130-116145	4:01:01	GGCGGTGCGGCAGCGG
116372	116388	115937	116680	CDS product virion protein V67	116372-116388	4:01:01	GGCCGGCGCGGCGCGGG
116495	116515	115937	116680	CDS product virion protein V67	116495-116515	4:01:01	GGGGGAGCATGGCGTACAGG
116541	116599	115937	116680	CDS product virion protein V67	116541-116599	10:07:02	
CCCTGAAAAGCCGCCAGCCGACGGGCCCGCCGTCGCGGCCGGGGCCAGCGTCCGCGGCC							
116814	116846	116738	117418	CDS product virion protein US2	116814-116846	6:03:01	
CCGCGCCGCGGTCCACGACCTCGTAAACCAGCC							
116911	116929	116738	117418	CDS product virion protein US2	116911-116929	4:01:01	GGCGATGGCCGGCCCGCGG
116938	116953	116738	117418	CDS product virion protein US2	116938-116953	4:01:01	CCGCCACGCTGCCCCC
117115	117136	116738	117418	CDS product virion protein US2	117115-117136	5:02:01	CCACTCTGCCGCTGCCGCCACC
117137	117186	116738	117418	CDS product virion protein US2	117137-117186	9:06:02	
GGCGGTGCGGGCGGCGAACCAGGGCCGGCAGTCCCGGATGCGGGCCAGGGG							
117204	117223	116738	117418	CDS product virion protein US2	117204-117223	5:02:01	CCACCCGCGCCGCGGCGCC
117233	117247	116738	117418	CDS product virion protein US2	117233-117247	4:01:01	CCCGCCGCCACGTCC
117273	117292	116738	117418	CDS product virion protein US2	117273-117292	4:01:01	CCGGCGTCCCTAGCCGCCCC
117672	117698	117541	118875	CDS product serine/threonine protein kinase US3	117672-117698	5:02:01	
CCCGCGCGCTTGCCGCGGAAGCCCCC							
117773	117816	117541	118875	CDS product serine/threonine protein kinase US3	117773-117816	8:05:02	

GGACGGGTGCGGGTCAGGGCCGCGGCCGGGACGATAGGGCGG		
117823 117852 117541 118875 CDS product serine/threonine protein kinase US3	117823-117852	8:05:02
CCGAGCCGAGGCCGCCCCACCCCGCCC		
117894 117927 117541 118875 CDS product serine/threonine protein kinase US3	117894-117927	5:02:01
GGCGACTGGGGCGACGACGGGCCCGCGCGGG		
118156 118179 117541 118875 CDS product serine/threonine protein kinase US3	118156-118179	4:01:01
GGGAGCTGGTGTGCGTGGTGTCTGG		
118244 118263 117541 118875 CDS product serine/threonine protein kinase US3	118244-118263	4:01:01
GGCGCTGGCGGTGACGCGGG		
118277 118308 117541 118875 CDS product serine/threonine protein kinase US3	118277-118308	5:02:01
CCTCGGTACCTGCACTCCCGCCGATCGCCC		
118364 118388 117541 118875 CDS product serine/threonine protein kinase US3	118364-118388	4:01:01
GGGCGACTTCGGCGCGGCACACGGG		
118413 118431 117541 118875 CDS product serine/threonine protein kinase US3	118413-118431	4:01:01
GGCCTGGCTGGCACCTGG		
118580 118600 117541 118875 CDS product serine/threonine protein kinase US3	118580-118600	4:01:01
GGCAGCGGCCTGGGCGAAGG		
118631 118652 117541 118875 CDS product serine/threonine protein kinase US3	118631-118652	4:01:01
CCGCCGGCTGGCCGTGCGCGCC		
118661 118704 117541 118875 CDS product serine/threonine protein kinase US3	118661-118704	8:05:02
CCCGCCTAGCCCCACCGACCGGTGACCCGAACTTCCAACGCC		
118718 118746 117541 118875 CDS product serine/threonine protein kinase US3	118718-118746	5:02:01
CCGAGAGCCGCGCAGCCCGTACCCCTGCC		

118778	118791	117541	118875	CDS product serine/threonine protein kinase US3	118778-118791	4:01:01	
CCACCTCCTGCACC							
118985	119014	118983	120305	CDS product envelope glycoprotein G	118985-119014	6:03:01	
CCCGCCGCCGCTCAAGCCGGCACCTCGCC							
119098	119164	118983	120305	CDS product envelope glycoprotein G	119098-119164	10:07:02	
CCGCAACAGCCTGGGGCCCCTTCGCCCCGCTGGGGCCCCGAGACCTGGGAGCCTTGACCTGGCC							
119146	119177	118983	120305	CDS product envelope glycoprotein G	119146-119177	5:02:01	
GGGAGCCTTGACCTGGCCTCGCGGATTTCGG							
119570	119602	118983	120305	CDS product envelope glycoprotein G	119570-119602	7:04:01	
GGGCTGGACCGGGGATCGGCGCGCCCTGGGG							
119623	119639	118983	120305	CDS product envelope glycoprotein G	119623-119639	4:01:01	GGTCCTGTCTCGAGGAGG
119910	119936	118983	120305	CDS product envelope glycoprotein G	119910-119936	6:03:01	
CCATGCCCCCTTGGCCTGCCGGCCGGCC							
120007	120023	118983	120305	CDS product envelope glycoprotein G	120007-120023	5:02:01	GGCGGCGGTGGTAGTGG
120029	120085	118983	120305	CDS product envelope glycoprotein G	120029-120085	11:08:02	
CCACCACGCCCCAGAAGTCCGCCGCTCCGAGCGCGCTCCGATCCCCGGGCAACC							
120211	120235	118983	120305	CDS product envelope glycoprotein G	120211-120235	5:02:01	
CCAGCTCGCCCGCAAGGCCACCGCC							
120246	120265	118983	120305	CDS product envelope glycoprotein G	120246-120265	4:01:01	CCCGCGCCGCCAGTTTGCC
120654	120674	120560	121813	CDS product envelope glycoprotein D	120654-120674	5:02:01	CCCGCCGGCGTACCCGCCGCC
120704	120739	120560	121813	CDS product envelope glycoprotein D	120704-120739	7:04:01	
CCACCGGGCCCATCCCGTCGCCCTTCCAGGACGGCC							
120966	120983	120560	121813	CDS product envelope glycoprotein D	120966-120983	4:01:01	CCGCTACCGCACGCCCCC

120989	121007	120560	121813	CDS product envelope glycoprotein D	120989-121007	4:01:01	GGGACGGCTTCCTGGCGGG
121035	121051	120560	121813	CDS product envelope glycoprotein D	121035-121051	4:01:01	GGGGCTGGTCATGGCGG
121187	121210	120560	121813	CDS product envelope glycoprotein D	121187-121210	4:01:01	CCTTCGGCGCCTGCTTCCCGATCC
121357	121368	120560	121813	CDS product envelope glycoprotein D	121357-121368	4:01:01	CCGCCGCCGCC
121379	121395	120560	121813	CDS product envelope glycoprotein D	121379-121395	4:01:01	CCTCTCCCGCACCGCCC
121408	121486	120560	121813	CDS product envelope glycoprotein D	121408-121486	17:14:04	
GGCGAGGCCACGGAGAAGGCGGCGGGAAGAGGACGGAGCCGGCGGCAGGAGACCGGCGGCGAGGGGAGGGCCCGG							
121482	121545	120560	121813	CDS product envelope glycoprotein D	121482-121545	10:07:02	
CCCGGCCCGCGCTGGGCGGACGGCGCCCCCGGGCGAGCCGAAGCCGGCCCCGGCGGCCCC							
121531	121552	120560	121813	CDS product envelope glycoprotein D	121531-121552	5:02:01	GGCCCCGGCGCCCCGGCGCGG
121600	121643	120560	121813	CDS product envelope glycoprotein D	121600-121643	11:08:02	
CCCCCGCCACCCCCGCCACGCCCGCCCCCTACTGCCCTGCC							
121644	121675	120560	121813	CDS product envelope glycoprotein D	121644-121675	6:03:01	
GGTCGGCATCGGGGTCGGCATCGCGGCCGCGG							
121691	121707	120560	121813	CDS product envelope glycoprotein D	121691-121707	5:02:01	CCGCCCGCGGTGCCGCC
121984	122010	121963	123126	CDS product envelope glycoprotein I	121984-122010	6:03:01	
GGGTGGCGGCGCTGGCCGCGGGGCGG							
122037	122050	121963	123126	CDS product envelope glycoprotein I	122037-122050	4:01:01	GGCGAGGCGGTCGG
122080	122093	121963	123126	CDS product envelope glycoprotein I	122080-122093	4:01:01	CCGTCCACCCAGCC
122129	122150	121963	123126	CDS product envelope glycoprotein I	122129-122150	4:01:01	CCTGGAGCACCAGTCCCGGCC
122227	122245	121963	123126	CDS product envelope glycoprotein I	122227-122245	4:01:01	CCGCGTTCGCCTCCTGCC
122263	122285	121963	123126	CDS product envelope glycoprotein I	122263-122285	5:02:01	CCTTCCGCTCCTGCCTGCACGCC
122350	122372	121963	123126	CDS product envelope glycoprotein I	122350-122372	5:02:01	CCATCGCCGGCCCGCGCCCGGCC

122400	122422	121963	123126	CDS product envelope glycoprotein I	122400-122422	4:01:01	GGCATCGACGGCGGCGCCGAGGG
122416	122436	121963	123126	CDS product envelope glycoprotein I	122416-122436	4:01:01	CCGAGGGCGCCGAGCGCCGCC
122481	122531	121963	123126	CDS product envelope glycoprotein I	122481-122531	8:05:02	
CCCGGCTCCGACGACCCGAGGCCGCGACCGCGCCCCGGCGGCGCCGCC							
122520	122544	121963	123126	CDS product envelope glycoprotein I	122520-122544	4:01:01	
GGCGGCGCCGCCGGGCGATCGCGG							
122610	122645	121963	123126	CDS product envelope glycoprotein I	122610-122645	8:05:02	
CCCGCGGGCGCCGCCCGCTACGCCCACCCCCACC							
122648	122665	121963	123126	CDS product envelope glycoprotein I	122648-122665	5:02:01	GGACGGCGGGGGCGAAGG
122678	122715	121963	123126	CDS product envelope glycoprotein I	122678-122715	6:03:01	
GGATCAGCCGGGGAGACGTCGGAGACGGGACGAGGG							
122720	122800	121963	123126	CDS product envelope glycoprotein I	122720-122800	17:14:04	
CCTGACCCCCGACCCGCCGCGACCCGACCCCCCGCTACGCCCCGGCACCCGCCACAACCTCCTCCTCCCGCGCTCC							
122801	122817	121963	123126	CDS product envelope glycoprotein I	122801-122817	4:01:01	GGGCGGGCCGGCGCGG
122945	122967	121963	123126	CDS product envelope glycoprotein I	122945-122967	5:02:01	CCGCCGCCTGCTGCCGTGCTCCC
123048	123065	121963	123126	CDS product envelope glycoprotein I	123048-123065	4:01:01	CCGATCGCCCCTGCCACC
123087	123110	121963	123126	CDS product envelope glycoprotein I	123087-123110	5:02:01	CCGAAGGCGCCCCCCTCGCCACC
123421	123439	123415	125214	CDS product envelope glycoprotein E	123421-123439	5:02:01	CCACCGCGCCGCCCGGCC
123489	123514	123415	125214	CDS product envelope glycoprotein E	123489-123514	5:02:01	
GGGCTACCGGTCGGGGCCGGCCTTGG							
123505	123542	123415	125214	CDS product envelope glycoprotein E	123505-123542	7:04:01	
CCGGCCTTGCCCCAGCCCCAGCCCCGAAGCCGACACC							
123543	123567	123415	125214	CDS product envelope glycoprotein E	123543-123567	5:02:01	

GGGGCAAAGGCCCGCGCGCGG							
123591	123623	123415	125214	CDS product envelope glycoprotein E	123591-123623	6:03:01	
CCCGTCTTCCTCCCTGGGCCTGACCCGCGCCCC							
123668	123705	123415	125214	CDS product envelope glycoprotein E	123668-123705	7:04:01	
CCCACCGCCCGAGCCGACGCCGCTCTGCCTCGACGACC							
123896	123907	123415	125214	CDS product envelope glycoprotein E	123896-123907	4:01:01	GGAGGACGGCGG
123917	123944	123415	125214	CDS product envelope glycoprotein E	123917-123944	5:02:01	
CCTGTACGACCGGGCCCGCGGCGACGCC							
123928	123954	123415	125214	CDS product envelope glycoprotein E	123928-123954	4:01:01	
GGGCCCGCGGCGACCGCGGCGACGAGG							
124011	124062	123415	125214	CDS product envelope glycoprotein E	124011-124062	11:08:02	
GGGCAGGGCGAGGGCGGGAAGGGGAAGGGGGGCGAGGGGCGG							
124063	124135	123415	125214	CDS product envelope glycoprotein E	124063-124135	18:15:04	
CCAAGCCACCCCCACCCCCACCCCCGCCCCAGCCCCCCCCGCGCCCCCGCGCCCCCCCC							
124138	124150	123415	125214	CDS product envelope glycoprotein E	124138-124150	4:01:01	GGCGCGGCACGG
124334	124363	123415	125214	CDS product envelope glycoprotein E	124334-124363	6:03:01	
CCACCCGAGGCGCCGCGCTGCCTGCACCC							
124392	124409	123415	125214	CDS product envelope glycoprotein E	124392-124409	4:01:01	CCCTACCGCTCCGAGACC
124436	124462	123415	125214	CDS product envelope glycoprotein E	124436-124462	7:04:01	
CCGCCCAGCCTCCGCCACCGCTGGCC							
124545	124568	123415	125214	CDS product envelope glycoprotein E	124545-124568	4:01:01	GGCGCGCGGCCTCGGCCTCGGGG
124596	124614	123415	125214	CDS product envelope glycoprotein E	124596-124614	4:01:01	GGCCACGTGGAGGCCTGGG
124654	124723	123415	125214	CDS product envelope glycoprotein E	124654-124723	14:11:03	

CCGTCACCGACCACACGCGCCCCGCGCCGCCGACGCCCCGAGCCGAGCCCGCCGCCCGCCGACGGGCC						
124765	124818	123415	125214	CDS product envelope glycoprotein E	124765-124818	8:05:02
GGCTCGTGGTGCTGGGGGGCGCGCTCGGGCTCGCGGGCCTAATCGGCGTCGCGG						
124900	124921	123415	125214	CDS product envelope glycoprotein E	124900-124921	5:02:01 CCAGCCTGCCGACCAACGAGCC
125014	125091	123415	125214	CDS product envelope glycoprotein E	125014-125091	15:12:03
CCGACGAGCCCCCGCCACCGCCGCTACGACCTCGCCGGGCCCCGCCAGGGGGCCGCGGGCCCCGCGCGCCCGAGCC						
125063	125075	123415	125214	CDS product envelope glycoprotein E	125063-125075	4:01:01 GGGGGCCGGCGGG
125096	125118	123415	125214	CDS product envelope glycoprotein E	125096-125118	4:01:01 GGGCTTCAAGTCTGGTTTAGGG
125145	125167	123415	125214	CDS product envelope glycoprotein E	125145-125167	4:01:01 CCGGCGCGGCCCCAGACCGCGCC
125180	125192	123415	125214	CDS product envelope glycoprotein E	125180-125192	4:01:01 GGTGGCGGCGCGG
125340	125383	125306	125710	CDS product membrane protein US9	125340-125383	8:05:02
CCGGGGCGCCGACGCGGCCGACGCCGAAGCCCTCCGCCGCCCC						
125451	125467	125306	125710	CDS product membrane protein US9	125451-125467	4:01:01 GCGGCGGCCGCGCCGG
125571	125604	125306	125710	CDS product membrane protein US9	125571-125604	8:05:02
GGGGCGGCAGCAGCGGGCGGCACCGGCGGCGG						
125613	125672	125306	125710	CDS product membrane protein US9	125613-125672	11:08:02
GGTGGCGGCGGCGCTGGCCTGTGCGGGGCTTGGGGCCTGCGCGGCCGCCGCGGCGGCGGG						
126734	126749	126724	127668	CDS product regulatory protein ICP22	126734-126749	4:01:01 GCGGCGCCTGGGCGG
126765	126805	126724	127668	CDS product regulatory protein ICP22	126765-126805	8:05:02
GGGGGACGGGCCCGGCGACGAGCCGTCGAGGAGCCGGAGG						
126819	126837	126724	127668	CDS product regulatory protein ICP22	126819-126837	5:02:01 GGGCGCGGGGCGGCGCGG
126869	126892	126724	127668	CDS product regulatory protein ICP22	126869-126892	6:03:01
GGGGGTTGTCGCGGCCGCGGCGG						

126898	126917	126724	127668	CDS product regulatory protein ICP22	126898-126917	5:02:01	CCGCCGCCGCCGTTGGCGCC
127029	127096	126724	127668	CDS product regulatory protein ICP22	127029-127096	15:12:03	
GGACGACGAGGACGACGAGGCCGAGGACCGGGAGGAGCGCGGAGGAAGAGGGGGCCCGAGGCGG							
127115	127129	126724	127668	CDS product regulatory protein ICP22	127115-127129	4:01:01	GGGAGGGGACGGCGG
127240	127262	126724	127668	CDS product regulatory protein ICP22	127240-127262	5:02:01	
GGGCCCCGCAGGCGCGCCGGGGG							
127313	127337	126724	127668	CDS product regulatory protein ICP22	127313-127337	4:01:01	
GGTGCAGCGGGCCGCGCTGCTCGGG							
127531	127557	126724	127668	CDS product regulatory protein ICP22	127531-127557	5:02:01	
GGGCAGAAGGCGCCAGGCCCGCGGCGG							
127567	127630	126724	127668	CDS product regulatory protein ICP22	127567-127630	11:08:02	
GGGCCCCGCTGGGCAGGCGCGGGCCCTGGGAGCACGCGGTCGGGCGAGCGGCAGAGGCGGCAGG							
132596	132633	132535	136761	CDS product transcriptional regulator ICP4	132596-132633	9:06:02	
GGACCTCGGCCCGGAGGGGGCCCGGAGGAGGACCCGG							
132674	132692	132535	136761	CDS product transcriptional regulator ICP4	132674-132692	4:01:01	
CCGGCGGGCCGCCCGCGCC							
132698	132729	132535	136761	CDS product transcriptional regulator ICP4	132698-132729	7:04:01	
GGCGGAGCTGTGGCGCATGGTGGCCGCGGGG							
132764	132816	132535	136761	CDS product transcriptional regulator ICP4	132764-132816	12:09:03	
GGGGGAGGAGGAAGAGGAGGACCCGAGAACCCGGGGGGCCCGGGGGCCTCGG							
132785	132832	132535	136761	CDS product transcriptional regulator ICP4	132785-132832	7:04:01	
CCCGGAGAACCCGGGGGGCCCGGGGGCCTCGGCGCCCTCCGAGGCCCC							
132827	132894	132535	136761	CDS product transcriptional regulator ICP4	132827-132894	12:09:03	

GGCCCCAGAGGACGCCGCGCCGGGGCGCCTGGGCCGCGCGGGCGCTCGCGCCGCGGCGGAGG			
132841 132863 132535 136761 CDS product transcriptional regulator ICP4	132841-132863	4:01:01	
CCGCGGCCGGGGCGCCTGGGCC			
132898 132920 132535 136761 CDS product transcriptional regulator ICP4	132898-132920	5:02:01	
CCGCCGCCGAAGCCGAGCGGCC			
132914 132942 132535 136761 CDS product transcriptional regulator ICP4	132914-132942	6:03:01	
GGCGCCGCGGCTGAGGCGCCGTCGTGG			
132934 132951 132535 136761 CDS product transcriptional regulator ICP4	132934-132951	4:01:01	
CCGTCGTGGCCGCCGCC			
132972 132986 132535 136761 CDS product transcriptional regulator ICP4	132972-132986	4:01:01	CCGCCGCCTGCGCCC
133036 133067 132535 136761 CDS product transcriptional regulator ICP4	133036-133067	6:03:01	
CCGAAGCCAGGCCAAGCCCGAGCCGGGACC			
133081 133103 132535 136761 CDS product transcriptional regulator ICP4	133081-133103	5:02:01	
CCGCCGACTCCGGGGCCGATGCC			
133114 133134 132535 136761 CDS product transcriptional regulator ICP4	133114-133134	4:01:01	
GGGTTGGGGATGACACGGGGG			
133135 133151 132535 136761 CDS product transcriptional regulator ICP4	133135-133151	5:02:01	
CCGCCGCCGCCGCGGCC			
133158 133190 132535 136761 CDS product transcriptional regulator ICP4	133158-133190	6:03:01	
GGATTAGGGACTCGGGGCGGGGACTCGGGG			
133202 133223 132535 136761 CDS product transcriptional regulator ICP4	133202-133223	4:01:01	
GGGGAGCCCTGGCGCCGGGGG			
133226 133288 132535 136761 CDS product transcriptional regulator ICP4	133226-133288	11:08:02	

CCCCGCCGGACCCGCCGCGGATCCAGCCAAGGCCAGGGCCGCGCCCTCGCCGCGGCGCCC			
133374 133394 132535 136761 CDS product transcriptional regulator ICP4	133374-133394	4:01:01	
CCCTCCGGCGAGGCCTGGCCC			
133380 133396 132535 136761 CDS product transcriptional regulator ICP4	133380-133396	4:01:01	
GGCGAGGCCTGGCCCGG			
133404 133419 132535 136761 CDS product transcriptional regulator ICP4	133404-133419	5:02:01	CCGCCGCCGCCCGGCC
133502 133521 132535 136761 CDS product transcriptional regulator ICP4	133502-133521	4:01:01	
GGCGGCCGCGGGCCCGCGG			
133535 133553 132535 136761 CDS product transcriptional regulator ICP4	133535-133553	4:01:01	
GGAGATGGGGGACGCGGG			
133565 133581 132535 136761 CDS product transcriptional regulator ICP4	133565-133581	4:01:01	
GGCGCTGGTGGACCTGG			
133789 133809 132535 136761 CDS product transcriptional regulator ICP4	133789-133809	4:01:01	
CCTGCGTGGCCATGAGCCGCC			
133866 133892 132535 136761 CDS product transcriptional regulator ICP4	133866-133892	5:02:01	
CCCATGGCCTACCCGGAGGCCGCGGCC			
133871 133903 132535 136761 CDS product transcriptional regulator ICP4	133871-133903	7:04:01	
GGCCTACCCGGAGGCCGCGCCGCGGCGCGGG			
133956 133985 132535 136761 CDS product transcriptional regulator ICP4	133956-133985	6:03:01	
CCGGCGCCGCTGCCGCCAGCGCCCGGGCCC			
134045 134063 132535 136761 CDS product transcriptional regulator ICP4	134045-134063	4:01:01	
GGCGCTAGAGGCGGCGCGG			
134105 134145 132535 136761 CDS product transcriptional regulator ICP4	134105-134145	6:03:01	

[illegible]

134962	134979	132535	136761	CDS product transcriptional regulator ICP4 CCGCCGGCCCTGCCGCC	134962-134979	5:02:01	
134995	135017	132535	136761	CDS product transcriptional regulator ICP4 CCGCCGGCCCTCCCGCCGCC	134995-135017	6:03:01	
135032	135048	132535	136761	CDS product transcriptional regulator ICP4 GGGGGCGGCCTCGAGG	135032-135048	4:01:01	
135041	135067	132535	136761	CDS product transcriptional regulator ICP4 CCTCGAGCCCGCCGACGGCCGCC	135041-135067	5:02:01	
135086	135111	132535	136761	CDS product transcriptional regulator ICP4 GGCCGGGCGCAGGGCCCGGCCGG	135086-135111	5:02:01	
135088	135139	132535	136761	CDS product transcriptional regulator ICP4 CCGGGGCCAGGGCCCGGCCGCGCCAAAAGCCGCGCGCCGGGTCCCC	135088-135139	9:06:02	
135153	135168	132535	136761	CDS product transcriptional regulator ICP4	135153-135168	4:01:01	CCGCCGCTGCCGCC
135179	135206	132535	136761	CDS product transcriptional regulator ICP4 CCCCATGCCGCCCGCGGCCCGCCGCC	135179-135206	6:03:01	
135218	135233	132535	136761	CDS product transcriptional regulator ICP4	135218-135233	4:01:01	CCGCCGCTGCCGCC
135242	135263	132535	136761	CDS product transcriptional regulator ICP4 CCACACGCCCGCGCCCAGCGCC	135242-135263	4:01:01	
135293	135312	132535	136761	CDS product transcriptional regulator ICP4 GGTCGCGCGCGGCTCGCGG	135293-135312	4:01:01	
135314	135343	132535	136761	CDS product transcriptional regulator ICP4 CCACCCGCTCTTCCCCGAGCCCTGGCGCCC	135314-135343	5:02:01	
135436	135452	132535	136761	CDS product transcriptional regulator ICP4	135436-135452	4:01:01	

GGCGGCGCGTGGCCTGG							
135513	135528	132535	136761	CDS product transcriptional regulator ICP4	135513-135528	4:01:01	GGGAGGCGCTGGCGG
135551	135571	132535	136761	CDS product transcriptional regulator ICP4	135551-135571	4:01:01	
CCGCGGCGCTGAGTGGCCGCC							
135553	135584	132535	136761	CDS product transcriptional regulator ICP4	135553-135584	6:03:01	
GGCGGCGCTGAGTGGCCGCCGCGTGGCGGCGGG							
135646	135672	132535	136761	CDS product transcriptional regulator ICP4	135646-135672	5:02:01	
GGGCCGGGTCCTGGACGGGCGCGCCGG							
135760	135782	132535	136761	CDS product transcriptional regulator ICP4	135760-135782	6:03:01	
GGCTGGCCGCGGCGCGGCGGCGG							
135828	135846	132535	136761	CDS product transcriptional regulator ICP4	135828-135846	4:01:01	
GGCCCGGCCGTCGGGCAGG							
136057	136096	132535	136761	CDS product transcriptional regulator ICP4	136057-136096	7:04:01	
CCACGCGCCTGGGCCCCGCGACCGCGGTGCCCGTGCCGCC							
136126	136149	132535	136761	CDS product transcriptional regulator ICP4	136126-136149	4:01:01	
GGCTCGACGGGCGCAAGGACATGG							
136163	136206	132535	136761	CDS product transcriptional regulator ICP4	136163-136206	8:05:02	
GGCGCTGGGGCTCGGGGAGCCGGAATTCGCGGAGGGCGAGGCGG							
136207	136227	132535	136761	CDS product transcriptional regulator ICP4	136207-136227	6:03:01	
CCAGCCACCGCGCCGCCAACC							
136245	136268	132535	136761	CDS product transcriptional regulator ICP4	136245-136268	4:01:01	
CCGCTGCGGCGCGGTGTACCTGGCC							
136252	136277	132535	136761	CDS product transcriptional regulator ICP4	136252-136277	5:02:01	

GGCCGGGTACCTGGCCTGCGGGCGG								
136310	136323	132535	136761	CDS product transcriptional regulator ICP4	136310-136323	4:01:01	GGCCGCGGCGGTGG	
136350	136369	132535	136761	CDS product transcriptional regulator ICP4	136350-136369	4:01:01		
CCGCACGCCGAGGCGCCGCC								
136373	136387	132535	136761	CDS product transcriptional regulator ICP4	136373-136387	4:01:01	GGTGCTGGAGGCGGG	
136390	136430	132535	136761	CDS product transcriptional regulator ICP4	136390-136430	9:06:02		
CCGCCCCCGCGCCCGCGGGCCGCGCCCGCGGTGGCC								
136409	136491	132535	136761	CDS product transcriptional regulator ICP4	136409-136491	14:11:03		
GGCCGCGCGCCCGCGGTGGCCTGGGACGCGGACCAGGGCCCGGGAGACGCTGGTGCAGGCGCGGCGGGCGGCGTCCCGG								
136519	136537	132535	136761	CDS product transcriptional regulator ICP4	136519-136537	4:01:01		
CCCCGCGGCCTGGGCGCC								
136553	136603	132535	136761	CDS product transcriptional regulator ICP4	136553-136603	10:07:02		
GGGCACGGA CTCGGCTTCCGGGGCCGGCGACGGCGGCATCGGCGGGGGG								
136605	136633	132535	136761	CDS product transcriptional regulator ICP4	136605-136633	6:03:01		
CCGCGCCGCGCCCGGCCCGGCCCGGCC								
136618	136656	132535	136761	CDS product transcriptional regulator ICP4	136618-136656	7:04:01		
GGCCCCGGCCCCGGCCGCGGCGGGCCGGCGCGCGTGG								
136666	136706	132535	136761	CDS product transcriptional regulator ICP4	136666-136706	8:05:02		
CCTCGTCCGCGTCCTCCGCGTCCTCCTCGTCGTCCGCGTCC								
gi 51557483 ref NC_006151.1 Suid herpesvirus 1, complete genome								
1651	1674	1636	2259	CDS product membrane protein UL56	1651-1674	5:02:01	CCCGCGGGGCCCCCGCGCGCCGCC	
1685	1709	1636	2259	CDS product membrane protein UL56	1685-1709	5:02:01	CCCGCCCGATCCCGGCAGCCTCGCC	

1725	1744	1636	2259	CDS product membrane protein UL56	1725-1744	6:03:01	GGGGGAGGAGCGGCGGAGG
1783	1799	1636	2259	CDS product membrane protein UL56	1783-1799	4:01:01	CCGTCGCCTCGGCCCCC
1820	1846	1636	2259	CDS product membrane protein UL56	1820-1846	5:02:01	GGAGGCTCTCGGACTCGGCGCCCCCGG
1840	1862	1636	2259	CDS product membrane protein UL56	1840-1862	6:03:01	CCCCCGGCTCCAGACCGCCCTCC
1882	1915	1636	2259	CDS product membrane protein UL56	1882-1915	6:03:01	
CCGGGCCGCGCCCGCACCGATCGCCGGACACGCC							
1924	1943	1636	2259	CDS product membrane protein UL56	1924-1943	5:02:01	CCCGGGGCCCGCCCCGTCC
1987	2003	1636	2259	CDS product membrane protein UL56	1987-2003	4:01:01	CCATCCCGGACCCGCC
2028	2046	1636	2259	CDS product membrane protein UL56	2028-2046	4:01:01	CCGCAGCCGCCGAGGCCCC
2093	2113	1636	2259	CDS product membrane protein UL56	2093-2113	4:01:01	CCCCTTCAGCCAGTGCCTCCC
2122	2155	1636	2259	CDS product membrane protein UL56	2122-2155	6:03:01	
CCTGCCCCGACTGCCGCTACCCCGAAGACCGCCC							
2800	2812	2730	3815	CDS product multifunctional expression regulator	2800-2812	4:01:01	
GGCGGCAGGTGGG							
2839	2860	2730	3815	CDS product multifunctional expression regulator	2839-2860	4:01:01	
CCAGCGGTCCATGATCCCGCC							
3100	3116	2730	3815	CDS product multifunctional expression regulator	3100-3116	4:01:01	
CCGCCCCCGGGTGGCC							
3283	3305	2730	3815	CDS product multifunctional expression regulator	3283-3305	5:02:01	
GGCGGTGCAGGTCCGCCCCGTGG							
3370	3385	2730	3815	CDS product multifunctional expression regulator	3370-3385	4:01:01	
GGACGGCGGCCACGG							
3548	3582	2730	3815	CDS product multifunctional expression regulator	3548-3582	8:05:02	

CCCGCCGTCCGGACGATCCGCCTCCTGTCGCCGCC							
3620	3641	2730	3815	CDS product multifunctional expression regulator		3620-3641	5:02:01
CCGCCGCCGCTGCCGCAGGGCC							
3656	3714	2730	3815	CDS product multifunctional expression regulator		3656-3714	12:09:03
CCCGCCGCGACCCCCGCGCCGGCGCCGATGGCCCCAGCCGCGCCCGGACGGGCCGCC							
3748	3790	2730	3815	CDS product multifunctional expression regulator		3748-3790	7:04:01
CCGGGCGCCGCTCCTCGCTCCCCGACCTGGACGCCTCGTGCC							
4100	4128	3895	4833	CDS product envelope glycoprotein K	4100-4128	6:03:01	
CCGCCAGGAGCTCCAGCGCCCCGACCGCC							
4296	4317	3895	4833	CDS product envelope glycoprotein K	4296-4317	4:01:01	GGGGTCCTCGCGGAGGTCGCGG
4435	4467	3895	4833	CDS product envelope glycoprotein K	4435-4467	6:03:01	
GGGGTCAGGAAGTTCGGCGGGTTCGCGGAAGGGG							
4556	4575	3895	4833	CDS product envelope glycoprotein K	4556-4575	4:01:01	GGTAGGCGCGGCAGTCGCGG
4667	4688	3895	4833	CDS product envelope glycoprotein K	4667-4688	5:02:01	CCTCCCAGTCCGGCGCGCCCCC
4728	4750	3895	4833	CDS product envelope glycoprotein K	4728-4750	5:02:01	GGGGTGGGGCAGGCGGGCGACGG
4796	4815	3895	4833	CDS product envelope glycoprotein K	4796-4815	4:01:01	GGACGAGGAGGTGCAGCGGG
4945	4970	4788	7676	CDS product helicase-primase primase subunit		4945-4970	5:02:01
GGGCCACGAAGGTGCGGGCCGGCGGG							
5128	5153	4788	7676	CDS product helicase-primase primase subunit		5128-5153	5:02:01
CCATGGCCACGTCCGCCACGAAGGCC							
5165	5191	4788	7676	CDS product helicase-primase primase subunit		5165-5191	6:03:01
CCGGTCCTCCGCGTCCACGGCCAGGCC							
5390	5414	4788	7676	CDS product helicase-primase primase subunit		5390-5414	5:02:01

CCCGTGGCAGCCGCCGTCGACC						
5485	5503	4788	7676	CDS product helicase-primase primase subunit	5485-5503	4:01:01
GGAGGTACGGGCCCATGGG						
5661	5696	4788	7676	CDS product helicase-primase primase subunit	5661-5696	8:05:02
GGGACGGGGGCGCGGACGAGGGCGAGGCGCCGGG						
5691	5729	4788	7676	CDS product helicase-primase primase subunit	5691-5729	8:05:02
CCGGGGTCCCCGCCCGCGCCCCGATCCCGACCCGACC						
5766	5798	4788	7676	CDS product helicase-primase primase subunit	5766-5798	6:03:01
CCCGCGTCCCAGTCCGCCAGTCCTCGTCGCCC						
5836	5857	4788	7676	CDS product helicase-primase primase subunit	5836-5857	4:01:01
CCCAGGGCGCCTCCTCGAGGCC						
5864	5904	4788	7676	CDS product helicase-primase primase subunit	5864-5904	10:07:02
GGAGGAGCCCGCGGAGGCGGACCCCGCGGCGGCGGAGGG						
6197	6251	4788	7676	CDS product helicase-primase primase subunit	6197-6251	9:06:02
CCCCCAGGCGTCCCCGGCCAGCACCGGAAGGCCTGGCGCCGGTGCGCCAGCTCC						
6256	6275	4788	7676	CDS product helicase-primase primase subunit	6256-6275	4:01:01
GGTACACCGGCGCCGGGGG						
6355	6385	4788	7676	CDS product helicase-primase primase subunit	6355-6385	6:03:01
GGCGGCGCAGGACGGCGCCGTCGGCGCCCGG						
6446	6474	4788	7676	CDS product helicase-primase primase subunit	6446-6474	6:03:01
GGCGGTACGCGGCGCGGAGGCCGCGG						
6529	6554	4788	7676	CDS product helicase-primase primase subunit	6529-6554	5:02:01
CCTCCACGTAGCCGGCGCCCATGGCC						

6542	6563	4788	7676	CDS product helicase-primase primase subunit	6542-6563	4:01:01	
GGCGCCCATGGCCGGGCGAGG							
6628	6645	4788	7676	CDS product helicase-primase primase subunit	6628-6645	5:02:01	
GGCGGAAGAAGGCGGCGG							
6781	6813	4788	7676	CDS product helicase-primase primase subunit	6781-6813	5:02:01	
GGTCGGGGAGCTTGAGGCTGCCCCGGTCGTGGG							
6962	6986	4788	7676	CDS product helicase-primase primase subunit	6962-6986	4:01:01	
GGGGTCCAGGCCGCTGGGGTTGGGG							
7015	7074	4788	7676	CDS product helicase-primase primase subunit	7015-7074	11:08:02	
GGTCCTTGAGGGCCCGCAGGTCGTAGGCCGGCCGCGGGTGAAGAGGTGGAGGCGCGTGG							
7147	7161	4788	7676	CDS product helicase-primase primase subunit	7147-7161	4:01:01	GGCGCCGAAGGCGG
7309	7332	4788	7676	CDS product helicase-primase primase subunit	7309-7332	5:02:01	
GGCCGTCGTGGAGGGCGAAGGTGG							
7333	7349	4788	7676	CDS product helicase-primase primase subunit	7333-7349	4:01:01	
CCGCCTCGTCCATGGCC							
7683	7713	7663	8373	CDS product tegument protein UL51	7683-7713	6:03:01	
GGGTGGTGCGGGCGCCGCGCCGTGGGAGGG							
7772	7793	7663	8373	CDS product tegument protein UL51	7772-7793	5:02:01	CCTCCCCGCCCCGCTCGCCGCC
7796	7818	7663	8373	CDS product tegument protein UL51	7796-7818	4:01:01	GGACGTGATGGCCTCGGCCGAGG
7807	7836	7663	8373	CDS product tegument protein UL51	7807-7836	6:03:01	
CCTCGGCCGAGGCCGCGCGCCGCTGGCCC							
7858	7910	7663	8373	CDS product tegument protein UL51	7858-7910	9:06:02	
CCTACCAGGCCTGCCAGCGCAACCTGGAGTGCCTGGCGGCCACGAGGCCTCC							

7904	7950	7663	8373	CDS product tegument protein UL51	7904-7950	7:04:01	
GGCCTCCGGCGACGACGGCCTGGACGCCGTGGTCGCGGCGCACGCGG							
8096	8142	7663	8373	CDS product tegument protein UL51	8096-8142	9:06:02	
GGCCGTCCTGGAGCGGACGCTGGGACTGGCCCGGCGGCGGAGCCGG							
8139	8165	7663	8373	CDS product tegument protein UL51	8139-8165	6:03:01	CCGGCGCCCGTCCGGGCCGCGCCCGCC
8178	8200	7663	8373	CDS product tegument protein UL51	8178-8200	5:02:01	CCCGTCCCCGCCCAGCCCGCCCC
8209	8240	7663	8373	CDS product tegument protein UL51	8209-8240	9:06:02	
CCGCCGCCCGCCCGGCCCGCCCGCCCGCCC							
8243	8268	7663	8373	CDS product tegument protein UL51	8243-8268	7:04:01	GGAGGCGGGGAAGACGAGGAGGGGG
8290	8318	7663	8373	CDS product tegument protein UL51	8290-8318	6:03:01	
CCCCGCTGCTGCCCCCGCGCCCCCGCC							
8339	8358	7663	8373	CDS product tegument protein UL51	8339-8358	5:02:01	GGCCCGAGGCTGGCCGAGG
8620	8647	8527	9333	CDS product deoxyuridine triphosphatase	8620-8647	5:02:01	
GGGGCGCGGGGTGGCGGGGAACGGGG							
8649	8667	8527	9333	CDS product deoxyuridine triphosphatase	8649-8667	4:01:01	CCGTCCCGTGATCCAGCCC
8738	8763	8527	9333	CDS product deoxyuridine triphosphatase	8738-8763	5:02:01	
GGTTCTGGATCCGGAAGCGGCACGGG							
8874	8894	8527	9333	CDS product deoxyuridine triphosphatase	8874-8894	4:01:01	GGTCTCGGCGCCCCGGGGGG
9053	9089	8527	9333	CDS product deoxyuridine triphosphatase	9053-9089	6:03:01	
CCTGCACCTCGCCGCAAAGCCCGCTCCACGATCCC							
9149	9171	8527	9333	CDS product deoxyuridine triphosphatase	9149-9171	4:01:01	CCACCTTGAGGCCAGGGGAACC
9181	9225	8527	9333	CDS product deoxyuridine triphosphatase	9181-9225	9:06:02	
CCCTCCGGCCCCGACTCCGGCACACCAGCGCCCTCCGTCC							

9329	9356	9257	9553	CDS product envelope glycoprotein N	9329-9356	5:02:01	CCATCGTCTCCACCGAGGGGCCGCTGCC
9395	9408	9257	9553	CDS product envelope glycoprotein N	9395-9408	4:01:01	CCGCCTGCGCCGCC
9430	9444	9257	9553	CDS product envelope glycoprotein N	9430-9444	4:01:01	CCCACGGCCGCCGCC
9609	9634	9591	10340	CDS product tegument protein VP22	9609-9634	5:02:01	CCCGGGTCGCCGCCGACGAGACCGCC
9646	9718	9591	10340	CDS product tegument protein VP22	9646-9718	14:11:03	
CCGCCGCGCCGAGCGCCTCTCGCACCCGGACCAACGCCCCGGCCGCCGACCCCCAGACCCCCTCGGCC							
9776	9801	9591	10340	CDS product tegument protein VP22	9776-9801	4:01:01	GGCTACTACGGCTACGATGGCTACGG
9804	9826	9591	10340	CDS product tegument protein VP22	9804-9826	6:03:01	CCTCCCGCGCCCCCGCGCCGCC
9836	9997	9591	10340	CDS product tegument protein VP22	9836-9997	34:31:08	
CCCGCGGCCGCTCGCGGGCCTCGACCGGGCCAAGAGCGCCTCGGCCGCCAAGACCCCCGCGTCCGCGGCCAAGACCGCCGCTCGGCCCGCGCGCCCCGGCCGCCACCACCACCACCAC							
CACCGCCGCCGCGGAACCGGCCGCCCGCGCGGCC							
10036	10051	9591	10340	CDS product tegument protein VP22	10036-10051	4:01:01	CCGCCGCCGGCTCGCC
10129	10151	9591	10340	CDS product tegument protein VP22	10129-10151	4:01:01	GGCCGTGGGACGCGTGGCCGAGG
10146	10178	9591	10340	CDS product tegument protein VP22	10146-10178	7:04:01	
CCGAGGCCACGCCCCGCGCGCCGCGAGTCCC							
10438	10468	10404	11645	CDS product transactivating tegument protein VP16	10438-10468	6:03:01	
GGCCCTGCTGGGGGCGCGCCCCGGCCGG							
10458	10488	10404	11645	CDS product transactivating tegument protein VP16	10458-10488	6:03:01	
CCCCGGGCGCGCCCGCCGTGGTGGCCGTCCC							
10549	10589	10404	11645	CDS product transactivating tegument protein VP16	10549-10589	6:03:01	
GGGCCCCGCGCTGCTGGGCGCCATGGAGCGCTGGAACGAGG							
10648	10694	10404	11645	CDS product transactivating tegument protein VP16	10648-10694	9:06:02	
GGCCTCCGCGACGAGGTGGCGGCCAGGTCCGGGCGCCGACGGCGG							

10711	10727	10404	11645	CDS product transactivating tegument protein VP16	10711-10727 4:01:01
GGGGGTGCCCCGGGCGG					
10730	10750	10404	11645	CDS product transactivating tegument protein VP16	10730-10750 4:01:01
CCCATGCCGCGAGTCCCGGCC					
10747	10760	10404	11645	CDS product transactivating tegument protein VP16	10747-10760 4:01:01
GGCCGTGGAGGAGG					
11020	11039	10404	11645	CDS product transactivating tegument protein VP16	11020-11039 5:02:01
GGACCAGGTGGTGGCCCAGG					
11169	11183	10404	11645	CDS product transactivating tegument protein VP16	11169-11183 4:01:01
CCGTCAACCACCGCC					
11255	11303	10404	11645	CDS product transactivating tegument protein VP16	11255-11303 9:06:02
CCGCCGTTCTCCGCCGCGCTGCCGCGCGCCCGGCTACCTCTCGCACC					
11359	11380	10404	11645	CDS product transactivating tegument protein VP16	11359-11380 5:02:01
CCGCCCGCCCTCGCCCGTGGCC					
11394	11457	10404	11645	CDS product transactivating tegument protein VP16	11394-11457 11:08:02
CCGCGGAGGCCCTGCTGCCGCCCCGTCGCCCTCGGCCGTGCTGCCCTGCGACCCGACGCCGCC					
11506	11520	10404	11645	CDS product transactivating tegument protein VP16	11506-11520 4:01:01
GGCCGAGGAGGATGG					
11533	11552	10404	11645	CDS product transactivating tegument protein VP16	11533-11552 4:01:01
GGCGGCGCCCGCGGCCGCGG					
11571	11612	10404	11645	CDS product transactivating tegument protein VP16	11571-11612 11:08:02
CCTCGCCCGGGCCCGCCACCCCGCCTACCACCTCATCCCCC					
11798	11811	11746	13998	CDS product tegument protein VP13/14	11798-11811 4:01:01 CCAGCCGTTCCCCC

11849	11868	11746	13998	CDS product tegument protein VP13/14	11849-11868 4:01:01	GGGCGAGGTGCGGCGCCCGG
11864	11885	11746	13998	CDS product tegument protein VP13/14	11864-11885 5:02:01	CCCGGACTTCCGCCCGCCGCC
11933	12000	11746	13998	CDS product tegument protein VP13/14	11933-12000 18:15:04	
GGAGGAGGAAGAGGGGGGGCGGAGGAGGAGGACGAGCGGGGGCCGGCGGGGGTGAGGAGGGGG						
12009	12069	11746	13998	CDS product tegument protein VP13/14	12009-12069 13:10:03	
GGGGACGAGGAGGAGGAGGAGGAGGAGGAGGAGCGAGGGGGCGCGTGGTCCGACGGGG						
12100	12144	11746	13998	CDS product tegument protein VP13/14	12100-12144 9:06:02	
GGGACGCGGAAGAGGAGGAGGACGAGGATGGGGACGAGGATGGGG						
12171	12195	11746	13998	CDS product tegument protein VP13/14	12171-12195 4:01:01	
GGCTATGACGGCCGCGGCGCCCGG						
12182	12224	11746	13998	CDS product tegument protein VP13/14	12182-12224 9:06:02	
CCGCGGCGCCGCGGCTCCCGCGCCGCGGCGGGCCCCCGCC						
12255	12274	11746	13998	CDS product tegument protein VP13/14	12255-12274 4:01:01	GGCATGGAGACGGCCTCCGG
12336	12409	11746	13998	CDS product tegument protein VP13/14	12336-12409 16:13:04	
CCCCGGCGGCGGGGTACCGGCCCCCGCGCCGCGGACCCCCGCGCCCCCGCGGGCCCGGCCACC						
12339	12356	11746	13998	CDS product tegument protein VP13/14	12339-12356 4:01:01	GGGCGGCCGGGGTACCGG
12424	12447	11746	13998	CDS product tegument protein VP13/14	12424-12447 8:05:02	CCGCCGCCTCCACCGCCGCCGCC
12456	12470	11746	13998	CDS product tegument protein VP13/14	12456-12470 4:01:01	CCCGCCCGCGCCGCC
12543	12568	11746	13998	CDS product tegument protein VP13/14	12543-12568 5:02:01	
CCCGACGGGACCTTCCTGGCCATGCC						
12587	12649	11746	13998	CDS product tegument protein VP13/14	12587-12649 11:08:02	
CCGCGAGCCGCGGGCCCCCGGCGCCCGTCGGGCCCCGGACATCCTGCGCCGCGCCCC						
12674	12687	11746	13998	CDS product tegument protein VP13/14	12674-12687 4:01:01	GGCGGCCTCGGCGG

12707	12726	11746	13998	CDS product tegument protein VP13/14
12729	12744	11746	13998	CDS product tegument protein VP13/14
12847	12866	11746	13998	CDS product tegument protein VP13/14
13038	13076	11746	13998	CDS product tegument protein VP13/14
CCCGCGGCTCGGGCCGCGCGCCGGCCTCTCCGCGCC				
13083	13104	11746	13998	CDS product tegument protein VP13/14
13150	13163	11746	13998	CDS product tegument protein VP13/14
13436	13446	11746	13998	CDS product tegument protein VP13/14
13456	13475	11746	13998	CDS product tegument protein VP13/14
13620	13647	11746	13998	CDS product tegument protein VP13/14
GGCGCCGCGGTCCACGGCGCCGGACGG				
13771	13789	11746	13998	CDS product tegument protein VP13/14
13824	13845	11746	13998	CDS product tegument protein VP13/14
13859	13884	11746	13998	CDS product tegument protein VP13/14
CCCGCCACGGCCGTGCGCCCCGCC				
13904	13930	11746	13998	CDS product tegument protein VP13/14
CCTCGCCGAATACGCCGCGGCCACCC				
14108	14145	14017	16098	CDS product tegument protein VP11/12
GGCGGCCCCCGGGAGGTGCTGACGGCGGCCGTGGCGG				
14315	14352	14017	16098	CDS product tegument protein VP11/12
GGGCATCACGGCGGACGTGGCCTGGCGCGCGGTGCTGG				
14375	14403	14017	16098	CDS product tegument protein VP11/12
GGCCAGCTCGGGCGTGAGGTGCGCTCGG				

12707-12726	4:01:01	GGACGCCTGGGAGGCGCTGG
12729-12744	4:01:01	CCGCTGCACCACCTCC
12847-12866	4:01:01	CCATCGCCCTGCACCACGCC
13038-13076	7:04:01	
13083-13104	4:01:01	GGTCCCTGGCCTACTGGCCGG
13150-13163	4:01:01	CCTTCCACCTGGCC
13436-13446	4:01:01	GGTGGCGGCGG
13456-13475	4:01:01	CCACGGGCCTGGGCCAGGCC
13620-13647	6:03:01	
13771-13789	4:01:01	GGTTGACGGCGCCCCGGG
13824-13845	4:01:01	CCCGCGCTGCCCTCCGAGGACC
13859-13884	5:02:01	
13904-13930	5:02:01	
14108-14145	8:05:02	
14315-14352	7:04:01	
14375-14403	5:02:01	

14509 14543 14017 16098 CDS product tegument protein VP11/12
 CCACGCGCGCCGCTCGCCGAGGCGACCGAGGCC
 14531 14552 14017 16098 CDS product tegument protein VP11/12
 14570 14598 14017 16098 CDS product tegument protein VP11/12
 CCCGCTCGACCCCATGGTCTCCAGCCCCC
 14653 14676 14017 16098 CDS product tegument protein VP11/12
 14771 14795 14017 16098 CDS product tegument protein VP11/12
 CCGCGCCGGCGGGCCCCCGCTGGCC
 14792 14811 14017 16098 CDS product tegument protein VP11/12
 14851 14888 14017 16098 CDS product tegument protein VP11/12
 CCCTGGAGATCCTCGGCGCCACGTGGGCCGAGACGCC
 14890 14916 14017 16098 CDS product tegument protein VP11/12
 GGAAGAGCGGCGTGTGCGGCCTCACGG
 14909 14948 14017 16098 CDS product tegument protein VP11/12
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 15062 15075 14017 16098 CDS product tegument protein VP11/12
 15256 15286 14017 16098 CDS product tegument protein VP11/12
 CCCCCGCGAGCCGCGCTGCCGCGCTGCC
 15303 15324 14017 16098 CDS product tegument protein VP11/12
 15381 15421 14017 16098 CDS product tegument protein VP11/12
 CCCGTGCCGTCTCGCCGCCCCGCTCCCCGAGGGGCCCCC
 15440 15461 14017 16098 CDS product tegument protein VP11/12
 15464 15491 14017 16098 CDS product tegument protein VP11/12

14509-14543 5:02:01

14531-14552 4:01:01 GGCGACCGAGGCCGTGGAGCGG

14570-14598 5:02:01

14653-14676 4:01:01 GGCTGCTGTGGATGATGGACACGG

14771-14795 5:02:01

14792-14811 4:01:01 GGCCTCGGGCTCGGGCGAGG

14851-14888 5:02:01

14890-14916 4:01:01

14909-14948 7:04:01

15062-15075 4:01:01 CCGCTTCCACCACC

15256-15286 7:04:01

15303-15324 5:02:01 CCGTCGCCGCCGCCCCGCGACC

15381-15421 8:05:02

15440-15461 7:04:01 GGAGGTGGACGGCGCGGGCGG

15464-15491 6:03:01

CCCCCTCCGGCGCAGCCGCGACGCCGCC					
15503	15523	14017	16098	CDS product tegument protein VP11/12	15503-15523 4:01:01 CCGCAAGGACCTCGCGCCCCC
15530	15550	14017	16098	CDS product tegument protein VP11/12	15530-15550 7:04:01 GGCGGCGGGGAGGGGAGGG
15560	15581	14017	16098	CDS product tegument protein VP11/12	15560-15581 5:02:01 GGAAGAGGAGGAGGATGACCGG
15701	15714	14017	16098	CDS product tegument protein VP11/12	15701-15714 5:02:01 GGGGGTGGAGGAGG
15738	15766	14017	16098	CDS product tegument protein VP11/12	15738-15766 6:03:01
GGGGACGGCGAACGAGGCGCCGGCGGCGG					
15931	15963	14017	16098	CDS product tegument protein VP11/12	15931-15963 8:05:02
CCGCGGCCCCCGCCACCCCGCGTCCCCGCC					
15973	16008	14017	16098	CDS product tegument protein VP11/12	15973-16008 7:04:01
CCGACCACGTGTACCAGCACCCCGCCCGGACCC					
16022	16043	14017	16098	CDS product tegument protein VP11/12	16022-16043 5:02:01 CCTGTACCAGCACCCCGACCC
16052	16065	14017	16098	CDS product tegument protein VP11/12	16052-16065 4:01:01 CCTACCGGCCACC
16882	16908	16854	19595	CDS product envelope glycoprotein B	16882-16908 5:02:01 GGCGCTGGTAGTGCCGGCGGCGGTGG
17017	17053	16854	19595	CDS product envelope glycoprotein B	17017-17053 6:03:01
CCCGGGCCTGGTCCAGCTTGGCCTCGTCCACGTCGCC					
17093	17126	16854	19595	CDS product envelope glycoprotein B	17093-17126 5:02:01
GGGGTACAGGGCCTTCATGGGGTTGCGGCGCAGG					
17138	17185	16854	19595	CDS product envelope glycoprotein B	17138-17185 8:05:02
CCGGTAGGCCAGGAAGGCCGCGACCAGGCCGCCAGCACCAGCAGCCC					
17140	17154	16854	19595	CDS product envelope glycoprotein B	17140-17154 4:01:01 GGTAGGCCAGGAAGG
17204	17220	16854	19595	CDS product envelope glycoprotein B	17204-17220 4:01:01 GGGGTTGGACAGGAAGG
17224	17240	16854	19595	CDS product envelope glycoprotein B	17224-17240 4:01:01 CCATGCCGCCGACGGCC

17251	17278	16854	19595	CDS product envelope glycoprotein B	17251-17278 6:03:01	CCCCCGTGGCACCCAGGACCACCTTGCC
17608	17626	16854	19595	CDS product envelope glycoprotein B	17608-17626 4:01:01	GGTGGTTGCCGGTGCAGG
17778	17799	16854	19595	CDS product envelope glycoprotein B	17778-17799 5:02:01	CCGCCGCGCACCTCCACGCACC
17855	17882	16854	19595	CDS product envelope glycoprotein B	17855-17882 5:02:01	GGCCGTGGCCACGGCGCTGGGGTTCAGG
18053	18067	16854	19595	CDS product envelope glycoprotein B	18053-18067 4:01:01	GGCCGGCGGCTCGGG
18078	18125	16854	19595	CDS product envelope glycoprotein B	18078-18125 9:06:02	
GGGCCGGGGAGCGCCGGGCCCCGACGGGCGGCCGCGGGGCCGCGGGG						
18109	18145	16854	19595	CDS product envelope glycoprotein B	18109-18145 5:02:01	
CCGCGGGGGCCGCGGGGCCACGACGCCGGCGAGGCC						
18208	18223	16854	19595	CDS product envelope glycoprotein B	18208-18223 4:01:01	CCACCACGAAGCCCCC
18238	18257	16854	19595	CDS product envelope glycoprotein B	18238-18257 4:01:01	CCTCGGGCCTGTCGCCGGCC
18286	18323	16854	19595	CDS product envelope glycoprotein B	18286-18323 6:03:01	
GGTAGATGGCGTCGATGGCCTCCGAGGCCTCGCGGAGG						
18445	18467	16854	19595	CDS product envelope glycoprotein B	18445-18467 4:01:01	CCTCGGCCTCGCGCCACTTGCC
18496	18512	16854	19595	CDS product envelope glycoprotein B	18496-18512 4:01:01	CCCAGTCCCAGGCCACC
18554	18566	16854	19595	CDS product envelope glycoprotein B	18554-18566 4:01:01	GGAGGCGCGGAGG
18695	18726	16854	19595	CDS product envelope glycoprotein B	18695-18726 5:02:01	
GGACAGGGCGAAGGAGTCGTAGGGGTACACGG						
18733	18743	16854	19595	CDS product envelope glycoprotein B	18733-18743 4:01:01	CCTCCACCTCC
18800	18819	16854	19595	CDS product envelope glycoprotein B	18800-18819 4:01:01	GGTGTAGGTGTCGTTGGTGG
19183	19204	16854	19595	CDS product envelope glycoprotein B	19183-19204 5:02:01	CCAGCCGCACCACCGTGGAGCC
19199	19217	16854	19595	CDS product envelope glycoprotein B	19199-19217 5:02:01	GGAGCCGGACGGCGGCGGG
19261	19291	16854	19595	CDS product envelope glycoprotein B	19261-19291 5:02:01	

CCGTCCGCGCGTCCAGGTGCGCGTACTCGCC					
19295	19317	16854	19595	CDS product envelope glycoprotein B	19295-19317 5:02:01 GGGGGCCTCCGAGGGCCGGGGG
19382	19404	16854	19595	CDS product envelope glycoprotein B	19382-19404 5:02:01 GGGCGTCGGCGAGGCCGAGGCGG
19521	19585	19466	21640	CDS product DNA packaging terminase subunit 2	19521-19585 13:10:03
CCGAGGCCAGCACCGCCGTGGTGCCCGGGCCGATGCCCCGGGGCCCGCCAAAGACCGCCACC					
19737	19768	19466	21640	CDS product DNA packaging terminase subunit 2	19737-19768 6:03:01
GGGTGGCGGTTACGCCGGCCGTCTGGAAGCGG					
19836	19849	19466	21640	CDS product DNA packaging terminase subunit 2	19836-19849 4:01:01 GGTGCGGCAGGAGG
19885	19901	19466	21640	CDS product DNA packaging terminase subunit 2	19885-19901 4:01:01
GGGGGGCTGGGCGAAGG					
19960	19990	19466	21640	CDS product DNA packaging terminase subunit 2	19960-19990 6:03:01
GGCCGGAAGGAGCGCGCGTCCACGGGGTGG					
20104	20119	19466	21640	CDS product DNA packaging terminase subunit 2	20104-20119 4:01:01 CCCGGCGGCCACCGCC
20205	20225	19466	21640	CDS product DNA packaging terminase subunit 2	20205-20225 4:01:01
CCAGGCTCGCCGCCGAGCGCC					
20277	20314	19466	21640	CDS product DNA packaging terminase subunit 2	20277-20314 7:04:01
CCGCGGCCCGCAGGTCCGCCACGCCACGGCGTCCGCC					
20315	20331	19466	21640	CDS product DNA packaging terminase subunit 2	20315-20331 4:01:01
GGCGGGGCGCGCCGGG					
20345	20388	19466	21640	CDS product DNA packaging terminase subunit 2	20345-20388 9:06:02
CCGACGCCCCCGTCGCCGGCGTCCGCGCCCCCGCGGCGCCGCC					
20418	20455	19466	21640	CDS product DNA packaging terminase subunit 2	20418-20455 7:04:01
GGAGGCGCTCGAGGGCGTCGCGGTTGGCCCCGTCCGGG					

20473	20491	19466	21640	CDS product DNA packaging terminase subunit 2	20473-20491 4:01:01
GGGCGTGGACATGTGGTGG					
20637	20656	19466	21640	CDS product DNA packaging terminase subunit 2	20637-20656 4:01:01
CCACGGCCGCGCGCGCACC					
20820	20902	19466	21640	CDS product DNA packaging terminase subunit 2	20820-20902 16:13:04
CCGCGCGCCGGCGCGCCGTCTCGCCCGGTCCCGGCCCTCGGCGCCCGCCGCGCCGTGGACGCCCTCCGCCTCCCGGGCC					
20898	20921	19466	21640	CDS product DNA packaging terminase subunit 2	20898-20921 5:02:01
GGGCCTCGGCGGCGTCCACGGCGG					
20988	21023	19466	21640	CDS product DNA packaging terminase subunit 2	20988-21023 6:03:01
CCACGTCCTCGGGGTCCACGCGCACCGCCAGCTGCC					
21141	21165	19466	21640	CDS product DNA packaging terminase subunit 2	21141-21165 5:02:01
CCGGCGGCACCACGAGCCCGCCGCC					
21189	21208	19466	21640	CDS product DNA packaging terminase subunit 2	21189-21208 4:01:01
CCACGGCCGACAGGTCCACC					
21252	21271	19466	21640	CDS product DNA packaging terminase subunit 2	21252-21271 4:01:01
GGTTCTCGGCGTCGTGGAGG					
21282	21300	19466	21640	CDS product DNA packaging terminase subunit 2	21282-21300 4:01:01
CCGTCTCCACGCGCCCGCC					
21866	21895	21788	25315	CDS product single-stranded DNA-binding protein	21866-21895 5:02:01
CCCCCAGCTCCGCGGCACCAGCGAGGCC					
21904	21936	21788	25315	CDS product single-stranded DNA-binding protein	21904-21936 5:02:01
CCCCGCGACGTCCCCGCGCGCCGAGGCCCC					
21954	21982	21788	25315	CDS product single-stranded DNA-binding protein	21954-21982 6:03:01

CCTCGCCGCCGTCCGCGCCCGTCTGGCCC					
22008	22029	21788	25315	CDS product single-stranded DNA-binding protein	22008-22029 5:02:01
CCGCCTCCACGCTCCAGCGCCC					
22059	22075	21788	25315	CDS product single-stranded DNA-binding protein	22059-22075 4:01:01
CCGCCAGCGGGCCGCC					
22167	22195	21788	25315	CDS product single-stranded DNA-binding protein	22167-22195 5:02:01
CCGTCTGCACCAGCGGCCCGCCGTCGGCC					
22237	22252	21788	25315	CDS product single-stranded DNA-binding protein	22237-22252 4:01:01
22340	22369	21788	25315	CDS product single-stranded DNA-binding protein	22340-22369 6:03:01
CCGCCGTTGAGCCCGCTCCAGTTCCCGCC					
22415	22432	21788	25315	CDS product single-stranded DNA-binding protein	22415-22432 4:01:01
CCCAGGCCCAGCACCACC					
22436	22472	21788	25315	CDS product single-stranded DNA-binding protein	22436-22472 7:04:01
GGGCGCGAGGCCATGACGGAGCGGAGCAGGTGGCTGG					
22536	22555	21788	25315	CDS product single-stranded DNA-binding protein	22536-22555 4:01:01
CCGCGTCGGCCGCGTCCGCC					
22573	22600	21788	25315	CDS product single-stranded DNA-binding protein	22573-22600 5:02:01
GGCCATGACGGCGGCCGGGTCCCGCGG					
22668	22694	21788	25315	CDS product single-stranded DNA-binding protein	22668-22694 5:02:01
GGATCAGGTTGGCCAGGTAGAACTGGG					
23237	23254	21788	25315	CDS product single-stranded DNA-binding protein	23237-23254 4:01:01
GGCTGGAAGTGGTTGCGG					
23295	23314	21788	25315	CDS product single-stranded DNA-binding protein	23295-23314 4:01:01

GGCACTGGCTCAGGGCCAGG					
23310	23329	21788	25315	CDS product single-stranded DNA-binding protein	23310-23329 4:01:01
CCAGGTCCTGCAGCACCGCC					
23397	23414	21788	25315	CDS product single-stranded DNA-binding protein	23397-23414 4:01:01
GGGACATGGTGTGGTTGG					
23478	23494	21788	25315	CDS product single-stranded DNA-binding protein	23478-23494 4:01:01
CCGCCGCTGCTCGACC					
23564	23590	21788	25315	CDS product single-stranded DNA-binding protein	23564-23590 6:03:01
CCGGCCACGTCCGCCAGCAGCCGGTCC					
23586	23602	21788	25315	CDS product single-stranded DNA-binding protein	23586-23602 4:01:01
GGTCCACGGCGGCGCGG					
23757	23783	21788	25315	CDS product single-stranded DNA-binding protein	23757-23783 6:03:01
GGGAGCGGTGGCGCAGGCGGTGCAGGG					
23797	23815	21788	25315	CDS product single-stranded DNA-binding protein	23797-23815 4:01:01
GGCGGGGCGCGAGGCGCGG					
23830	23855	21788	25315	CDS product single-stranded DNA-binding protein	23830-23855 4:01:01
GGGGACCTCGGCGTCGAGGCTGCCGG					
23957	23980	21788	25315	CDS product single-stranded DNA-binding protein	23957-23980 4:01:01
CCGCACGCCATCACCAGGTGGTCC					
23994	24023	21788	25315	CDS product single-stranded DNA-binding protein	23994-24023 4:01:01
GGTTGCCCCGGGCGGTCGCGGGCTGCGAGG					
24062	24081	21788	25315	CDS product single-stranded DNA-binding protein	24062-24081 4:01:01
GGGTTCCCGGCCAGGTAGGG					

24146	24163	21788	25315	CDS product single-stranded DNA-binding protein	24146-24163 4:01:01
CCCGCGTCGTCCACCTCC					
24195	24217	21788	25315	CDS product single-stranded DNA-binding protein	24195-24217 5:02:01
CCAGCGCCCCACGAGGCCGGCC					
24271	24284	21788	25315	CDS product single-stranded DNA-binding protein	24271-24284 4:01:01 GGAGGCGGCCGCGG
24279	24307	21788	25315	CDS product single-stranded DNA-binding protein	24279-24307 6:03:01
CCGCGGCGCCGCGTCCTTGGCGCCCGCC					
24420	24440	21788	25315	CDS product single-stranded DNA-binding protein	24420-24440 4:01:01
GGCGCTCGAGGCCGCCGGCGG					
24431	24461	21788	25315	CDS product single-stranded DNA-binding protein	24431-24461 7:04:01
CCGCCGGCGGCCGCGTCGCCGCCGCGCCGCC					
24481	24503	21788	25315	CDS product single-stranded DNA-binding protein	24481-24503 4:01:01
GGTCACGTCGGCGGGCAGCACGG					
24528	24566	21788	25315	CDS product single-stranded DNA-binding protein	24528-24566 7:04:01
CCAGGTGCGCCGCGCCGCGGCCACCGGTCCAGGTTCC					
24579	24595	21788	25315	CDS product single-stranded DNA-binding protein	24579-24595 4:01:01
CCACGGCCCGGGGCC					
24670	24698	21788	25315	CDS product single-stranded DNA-binding protein	24670-24698 5:02:01
GGAGCGGTTCTTGGCGTTGAAGGGGTCGG					
24780	24795	21788	25315	CDS product single-stranded DNA-binding protein	24780-24795 4:01:01 CCGTGCCCGCGCCCCC
24825	24850	21788	25315	CDS product single-stranded DNA-binding protein	24825-24850 6:03:01
CCGCCTCCTGAAGCCGTCGGCCACC					
24873	24890	21788	25315	CDS product single-stranded DNA-binding protein	24873-24890 4:01:01

CCGCGGCCAGGCCGAGCC					
24900	24919	21788	25315	CDS product single-stranded DNA-binding protein	24900-24919 4:01:01
CCTCCGCGCCCGTCGTCTCC					
24930	24957	21788	25315	CDS product single-stranded DNA-binding protein	24930-24957 5:02:01
CCACCGGCGTCCGGTAGGCCGAGAACCC					
25051	25068	21788	25315	CDS product single-stranded DNA-binding protein	25051-25068 4:01:01
GGGGTGAAGTGGTTGGG					
25087	25150	21788	25315	CDS product single-stranded DNA-binding protein	25087-25150 12:09:03
CCCGCCGCCGAGCCCGGTGGTCCGGGCGCCGCCACCGCCACGTGCCCCGCGAAGCCGGCC					
25138	25162	21788	25315	CDS product single-stranded DNA-binding protein	25138-25162 4:01:01
GGCGAAGCCGGCCTCGACGGTCAGG					
25163	25186	21788	25315	CDS product single-stranded DNA-binding protein	25163-25186 5:02:01
CCGCGCACCGCGGCCACCGCC					
25274	25307	21788	25315	CDS product single-stranded DNA-binding protein	25274-25307 6:03:01
GGCGCGGCGCGCACGGTCACGGTCTTGCCGCGG					
25607	25621	25606	28752	CDS product DNA polymerase catalytic subunit	25607-25621 4:01:01 GGCGGCGCGGCAGGG
25744	25761	25606	28752	CDS product DNA polymerase catalytic subunit	25744-25761 4:01:01
CCACGCGGCCCATCCTCC					
25807	25828	25606	28752	CDS product DNA polymerase catalytic subunit	25807-25828 4:01:01
CCCCGAGCGGCCCGTGAGTCC					
25999	26016	25606	28752	CDS product DNA polymerase catalytic subunit	25999-26016 4:01:01
CCGAGGCCGACGCCGCC					
26075	26093	25606	28752	CDS product DNA polymerase catalytic subunit	26075-26093 4:01:01

26143	26163	25606	28752	CDS product DNA polymerase catalytic subunit	26143-26163 4:01:01
CCGCGCCTCGGGCCCGCC CCCCCGCGGCCCTTCTACC					
26300	26318	25606	28752	CDS product DNA polymerase catalytic subunit	26300-26318 4:01:01
CCGCCTGCGGCCCGGGCCC GCCCCGGGCCGCGGGGAGCGGTGGTGCTGCGG					
26308	26342	25606	28752	CDS product DNA polymerase catalytic subunit	26308-26342 6:03:01
CCTTCCCCGCGCCGAGAACCCGAGGACCTGGTGATCC					
26476	26514	25606	28752	CDS product DNA polymerase catalytic subunit	26476-26514 7:04:01
GGCCGAGGAGGCGCTCGG					
26933	26950	25606	28752	CDS product DNA polymerase catalytic subunit	26933-26950 4:01:01
GGACGACGGCGGCGCTACCAGGGCGCCAAGG					
27242	27273	25606	28752	CDS product DNA polymerase catalytic subunit	27242-27273 6:03:01
GGCGGCCATCAAGGTGG					
27584	27600	25606	28752	CDS product DNA polymerase catalytic subunit	27584-27600 4:01:01
GGTGTACGGGTTCACGGGCGTGGCCAACGGG					
27611	27641	25606	28752	CDS product DNA polymerase catalytic subunit	27611-27641 5:02:01
CCCCTGCCTCCCCGTGGCGGCCACCGTGACGACCATCGGCC					
27647	27687	25606	28752	CDS product DNA polymerase catalytic subunit	27647-27687 7:04:01
CCTGCCCCGCGCGCCGCCC					
27758	27776	25606	28752	CDS product DNA polymerase catalytic subunit	27758-27776 4:01:01
GGTCTACGGGGACACGGACTCGG					
27800	27822	25606	28752	CDS product DNA polymerase catalytic subunit	27800-27822 4:01:01

27902	27917	25606	28752	CDS product DNA polymerase catalytic subunit	27902-27917 4:01:01 CCTCTCCGCCCCCCC
28089	28116	25606	28752	CDS product DNA polymerase catalytic subunit	28089-28116 5:02:01
GGCGACGAGGCCGTCTCGGCGGCAGCGG					
28221	28242	25606	28752	CDS product DNA polymerase catalytic subunit	28221-28242 5:02:01
GGCGGCGCCGGCCTGGACGTGG					
28301	28323	25606	28752	CDS product DNA polymerase catalytic subunit	28301-28323 5:02:01
CCTGCCGCACCTACCGTCTACC					
28417	28445	25606	28752	CDS product DNA polymerase catalytic subunit	28417-28445 5:02:01
CCGGGGCCGTGCGCCGGGCCTCGCGCCC					
28466	28484	25606	28752	CDS product DNA polymerase catalytic subunit	28466-28484 4:01:01
CCTGGCCGAGGACCCCGCC					
28875	28889	28673	29488	CDS product nuclear egress lamina protein	28875-28889 4:01:01 GGTGGCCGGCGCAGG
29085	29113	28673	29488	CDS product nuclear egress lamina protein	29085-29113 5:02:01
CCGAGGGGTCCCGCGCGGCCACCGAGGCC					
29101	29125	28673	29488	CDS product nuclear egress lamina protein	29101-29125 4:01:01
GGCCACCGAGGCCAGGAACACGCGG					
29198	29221	28673	29488	CDS product nuclear egress lamina protein	29198-29221 5:02:01
GGCTCGGCGGCGGCGCACGTGGGG					
29280	29292	28673	29488	CDS product nuclear egress lamina protein	29280-29292 4:01:01 CCACCGCCTGGCC
29371	29400	28673	29488	CDS product nuclear egress lamina protein	29371-29400 4:01:01
GGGCTGCGCGGCCGCTAGGCAAAGTAGGG					
29718	29753	29481	30893	CDS product DNA packaging protein UL32	29718-29753 6:03:01
GGGTCCGCCTGGCGCTCGGCCACGGCGCACAGGGGG					

30059	30077	29481	30893	CDS product DNA packaging protein UL32
30073	30096	29481	30893	CDS product DNA packaging protein UL32
30157	30176	29481	30893	CDS product DNA packaging protein UL32
30188	30216	29481	30893	CDS product DNA packaging protein UL32
GGCGAGGTCGGCGTAGCCGGGCCCCGGCGG				
30220	30241	29481	30893	CDS product DNA packaging protein UL32
30242	30258	29481	30893	CDS product DNA packaging protein UL32
30280	30296	29481	30893	CDS product DNA packaging protein UL32
30324	30347	29481	30893	CDS product DNA packaging protein UL32
30593	30627	29481	30893	CDS product DNA packaging protein UL32
GGCCGTGGCGCACGGGGGCAGGCCAGGGCCTTG				
30637	30654	29481	30893	CDS product DNA packaging protein UL32
30721	30758	29481	30893	CDS product DNA packaging protein UL32
CCAGCGCCAGCGGCGCCGCGGCGGCCTCCACGAAGCCC				
30893	30918	30892	31239	CDS product DNA packaging protein UL33
GGCGCGCGGCGGCGGCGGCGCGGCGG				
30982	30997	30892	31239	CDS product DNA packaging protein UL33
31134	31154	30892	31239	CDS product DNA packaging protein UL33
31473	31494	31398	32186	CDS product nuclear egress membrane protein
CCTGCGACCCCGAGCGCCCCC				
31513	31530	31398	32186	CDS product nuclear egress membrane protein
31657	31681	31398	32186	CDS product nuclear egress membrane protein
CCGGCCCCCGACGCCCCCCTGGCC				

30059-30077	4:01:01	GGCGGTGTTGCGGGCCAGG
30073-30096	4:01:01	CCAGGAAGCCCTCGTGCTCCGCCC
30157-30176	4:01:01	CCCCCGTGGCCACGTTGCC
30188-30216	6:03:01	
30220-30241	5:02:01	CCGCGTCCGCGGCCCCGCCCC
30242-30258	5:02:01	GGTGGCGGCGGCGACGG
30280-30296	4:01:01	CCTCGCGCTCCGCGCC
30324-30347	5:02:01	CCCGTGTGGTCCTTCCAGCCCCC
30593-30627	7:04:01	
30637-30654	4:01:01	CCGCGTAGTCCGCCAGCC
30721-30758	6:03:01	
30893-30918	7:04:01	
30982-30997	4:01:01	CCAACTACCTGCCCCC
31134-31154	4:01:01	GGGGAGGCGCTGCGGGCGCGG
31473-31494	4:01:01	
31513-31530	4:01:01	GGTCCACGGGCGAGACGG
31657-31681	6:03:01	

31772	31789	31398	32186	CDS product nuclear egress membrane protein	31772-31789 4:01:01	GGGGGCGTGGACACGCGG
31891	31906	31398	32186	CDS product nuclear egress membrane protein	31891-31906 4:01:01	CCTCCTGGACCGCGCC
31937	31972	31398	32186	CDS product nuclear egress membrane protein	31937-31972 8:05:02	
GGCGGGGGTGCCGGCGGCGGACGACGGCGAGGGG						
31973	32002	31398	32186	CDS product nuclear egress membrane protein	31973-32002 6:03:01	
CCCTCGCCCCGCGCGCCCATCCGCCCCGACC						
32047	32068	31398	32186	CDS product nuclear egress membrane protein	32047-32068 5:02:01	
CCAGGCCGCGTACCCCCCGCCC						
32406	32426	32241	32552	CDS product small capsid protein	32406-32426 4:01:01	CCTCCCTGGCCCTCGTGAACC
32461	32479	32241	32552	CDS product small capsid protein	32461-32479 4:01:01	CCAGCCCATGTTCGCCACC
32496	32514	32241	32552	CDS product small capsid protein	32496-32514 4:01:01	GGCCCCGGCCACGGTCGG
33280	33329	33060	42314	CDS product large tegument protein	33280-33329 10:07:02	
CCTCGTCCCCGTCTCGTCCCCCTCTCGTCCTCCAGGCCCCAGGGGTCC						
33388	33424	33060	42314	CDS product large tegument protein	33388-33424 8:05:02	
GGCCGAGGCCGCCAGGGGAGAGCGGCGGCGGAGG						
33444	33464	33060	42314	CDS product large tegument protein	33444-33464 6:03:01	GGCGGAGGATGGGCGGGAGGG
33495	33509	33060	42314	CDS product large tegument protein	33495-33509 5:02:01	GGGGGCTGGTGGGGG
33519	33538	33060	42314	CDS product large tegument protein	33519-33538 4:01:01	GGGGAGCGCGGGGCCGGCGG
33549	33574	33060	42314	CDS product large tegument protein	33549-33574 6:03:01	GGCGGGAGCTCGGGGTGGTGCCGGG
33585	33598	33060	42314	CDS product large tegument protein	33585-33598 4:01:01	GGCGGCGGCCACGG
33666	33697	33060	42314	CDS product large tegument protein	33666-33697 9:06:02	
GGCTGAGGGGGCGGCGGTGGCGGCAGCGGCGG						
33710	33744	33060	42314	CDS product large tegument protein	33710-33744 7:04:01	

GGGGAAGTGGACCGCGGGTCCGACGGCGGGGGG					
33785	33803	33060	42314	CDS product large tegument protein	33785-33803 4:01:01 CCACGTCCACGGCGCCTCC
33822	33844	33060	42314	CDS product large tegument protein	33822-33844 6:03:01 GGCTGCGGCGGCAGCGGCGGAGG
33882	34008	33060	42314	CDS product large tegument protein	33882-34008 30:27:07
GGCGTCGGGGCCGGCCGGAAGGTGGTGGGGCCGGCGGTGGTGC GGCGGGGGCGGAAGAGGTGGTGGCGGAAGACGAGGAGGTGGTGGTGG					
34015	34034	33060	42314	CDS product large tegument protein	34015-34034 5:02:01 CCGCCGCCGCTGCTGCCGCC
34058	34068	33060	42314	CDS product large tegument protein	34058-34068 4:01:01 GGAGGGGGCGG
34092	34110	33060	42314	CDS product large tegument protein	34092-34110 4:01:01 GGAGACCGCGCGGCTGGG
34119	34150	33060	42314	CDS product large tegument protein	34119-34150 6:03:01
GGGGCGGGAGTCTCTGGCGAGGCCGCGCAGAGG					
34176	34233	33060	42314	CDS product large tegument protein	34176-34233 13:10:03
GGCTGCGGCGCGGGATGTGGAGACGGAGGTGCCCCGCCGGCGGGCGCGGGCCGCGG					
34248	34264	33060	42314	CDS product large tegument protein	34248-34264 4:01:01 CCTCCGGGGCCGACTCC
34265	34278	33060	42314	CDS product large tegument protein	34265-34278 4:01:01 GGGGGCGGGGACGG
34332	34363	33060	42314	CDS product large tegument protein	34332-34363 6:03:01
GGCGCTTGGGCTTGGGCTTGAAGCGGGCGCGG					
34376	34393	33060	42314	CDS product large tegument protein	34376-34393 4:01:01 GGGAGGACGGCCCTCGGG
34418	34450	33060	42314	CDS product large tegument protein	34418-34450 5:02:01
GGTCTGGCGCGGGGCCGATACGGGCCTTCGCGG					
34594	34615	33060	42314	CDS product large tegument protein	34594-34615 5:02:01 CCGCAGCCGGGCCACCGTCTCC
34626	34645	33060	42314	CDS product large tegument protein	34626-34645 4:01:01 CCACCACTCCCGGGGGCTCC
34637	34659	33060	42314	CDS product large tegument protein	34637-34659 5:02:01 GGGGGCTCCAGGAGGTGCTCGGG
34707	34791	33060	42314	CDS product large tegument protein	34707-34791 16:13:04

GGTGTTCCGGCCGGGAAGAAGAGGATGAGGCGGCTTCTCGGGACGGGGTCGAGGCGGCGGAGGAGGACGCGGACGCGGGCTCGG

34891	34911	33060	42314	CDS product large tegument protein	34891-34911	6:03:01	GGGGCGGCCCCGGGAGGCGG
34914	34930	33060	42314	CDS product large tegument protein	34914-34930	5:02:01	CCCGCCACCTTCCCACC
34937	34972	33060	42314	CDS product large tegument protein	34937-34972	6:03:01	
GGCGTCGCGGACGTCCGGCGGTGCACCGGCCTTCGG							
34994	35040	33060	42314	CDS product large tegument protein	34994-35040	9:06:02	
GGATTTCTTGCCGATGGGGCGGGCCCGGGCGGGGGGCGTGGGGG							
35049	35081	33060	42314	CDS product large tegument protein	35049-35081	7:04:01	
GGGGCAGACGGTGGTGGAGGGCGGCCTGGGG							
35100	35135	33060	42314	CDS product large tegument protein	35100-35135	9:06:02	
GGTGGTGGAGGGCGGGCGGTGCGGCGGGCCTGGGG							
35154	35182	33060	42314	CDS product large tegument protein	35154-35182	8:05:02	
GGTGGTGGGGGGCGGGCGGGCGGGGGG							
35193	35231	33060	42314	CDS product large tegument protein	35193-35231	9:06:02	
GGCTTGCGGCCGGTTGGGACGACGGGGCTGAGGGGGG							
35240	35274	33060	42314	CDS product large tegument protein	35240-35274	9:06:02	
GGCCGCGGTCGCGGCGGATGGTGGAGGGGGGCGG							
35284	35299	33060	42314	CDS product large tegument protein	35284-35299	4:01:01	GGGCCCCGGTCGGCGG
35308	35496	33060	42314	CDS product large tegument protein	35308-35496	40:37:10	
GGGGGGTGGCCTTGGGCGCGGTGGTGGCGGCGGCGGTGGCGGGCTGCGCCGGGGGCTTCTGGGCAGGGGGGGCCTGGGCCGACGGGGGCTGCGGCGGCGGTGGGGGACCCTGGGGTTGGGGGGTCGGC							
TTGGCCGCGGCGGGCGGCTGGGCCTGGGGGGCCTCCGGGGGGCCGTCTCGGGCGCCGGGG							
35458	35480	33060	42314	CDS product large tegument protein	35458-35480	4:01:01	CCTGGGGGGCCTCCGGGGGGGCC
35526	35536	33060	42314	CDS product large tegument protein	35526-35536	4:01:01	GGCGGCGGGGG

35586	35608	33060	42314	CDS product large tegument protein	35586-35608	5:02:01	GGCTTGGGGCGGGCTCCCGGGG
35618	35650	33060	42314	CDS product large tegument protein	35618-35650	8:05:02	
GGGGGCCGCGCGCCTTGGTGCCGGCGGCGGG							
35659	35671	33060	42314	CDS product large tegument protein	35659-35671	4:01:01	GGGCGGCGGGGGG
35682	35709	33060	42314	CDS product large tegument protein	35682-35709	5:02:01	GGCTGCGGCTCGGCTTGGTGAGCGGGG
35720	35764	33060	42314	CDS product large tegument protein	35720-35764	10:07:02	
GGGCTTGGCGGGCGGCGCGCCGGCGGGGCCAGCTTGGCGGCGGG							
35777	35863	33060	42314	CDS product large tegument protein	35777-35863	17:14:04	
GGGCTTGGCGGGCGGCGCGCCGGCGGGGCCCGGGCCAACGGCGGGAGCGTGGGCGGGTCGACCGCGGCGACGGGGGCAGCGG							
35797	35816	33060	42314	CDS product large tegument protein	35797-35816	4:01:01	CCGGCGGGGCCCGGGGCC
35939	35957	33060	42314	CDS product large tegument protein	35939-35957	5:02:01	CCCGTCGTCTCCCCCGCC
35963	36001	33060	42314	CDS product large tegument protein	35963-36001	7:04:01	
GGGGGGCAGCCCGGGGATCGGGCCGCGGGCCGGGTGGG							
36014	36056	33060	42314	CDS product large tegument protein	36014-36056	7:04:01	
GGCGTATGGGAACGGGTCGCCAGGTTGCGGAAGCTCGGCCGG							
36067	36086	33060	42314	CDS product large tegument protein	36067-36086	4:01:01	CCTCCGAGGTGGCCGGGTCC
36074	36093	33060	42314	CDS product large tegument protein	36074-36093	4:01:01	GGTGGCCGGGTCCACGCGGG
36216	36238	33060	42314	CDS product large tegument protein	36216-36238	5:02:01	GGGCGTCGCGGCGGCTCGGGCGG
36286	36310	33060	42314	CDS product large tegument protein	36286-36310	5:02:01	GGCAGGCCGGCTCGCCGGCCAGGGG
36292	36317	33060	42314	CDS product large tegument protein	36292-36317	5:02:01	CCGGCTCGCCGGCCAGGGCCGCGCC
36547	36566	33060	42314	CDS product large tegument protein	36547-36566	5:02:01	CCGCCGCCGCGCCAGGTCC
36651	36680	33060	42314	CDS product large tegument protein	36651-36680	5:02:01	
CCGGCGCCCGGCGCGCCGAGCGCCGCGGCC							

36698	36723	33060	42314	CDS product large tegument protein
36844	36896	33060	42314	CDS product large tegument protein
CCAGCCGCTGCCCCGTCTCCGTGTGCGCCAGGGCGCCACAGCTCCGTCTCC				
36981	37007	33060	42314	CDS product large tegument protein
37090	37116	33060	42314	CDS product large tegument protein
37104	37121	33060	42314	CDS product large tegument protein
37142	37157	33060	42314	CDS product large tegument protein
37234	37260	33060	42314	CDS product large tegument protein
37265	37277	33060	42314	CDS product large tegument protein
37368	37397	33060	42314	CDS product large tegument protein
CCCGCCACGGTCGCCGTCTCCATGAGCCCC				
37634	37657	33060	42314	CDS product large tegument protein
37658	37676	33060	42314	CDS product large tegument protein
37711	37733	33060	42314	CDS product large tegument protein
37736	37754	33060	42314	CDS product large tegument protein
37937	37959	33060	42314	CDS product large tegument protein
37975	37994	33060	42314	CDS product large tegument protein
38014	38031	33060	42314	CDS product large tegument protein
38017	38039	33060	42314	CDS product large tegument protein
38042	38057	33060	42314	CDS product large tegument protein
38069	38124	33060	42314	CDS product large tegument protein
CCCAAAGTCCTCCAGGCCTCGTCCAGGCGACCTCGGCGCCGTCAGCCGCTGCC				
38314	38336	33060	42314	CDS product large tegument protein

36698-36723	4:01:01	GGCGTCCAGGCGCTCGGTGACCGCGG
36844-36896	8:05:02	
36981-37007	5:02:01	CCCGCGTCCAGCGTGTCCACCGCGTCC
37090-37116	4:01:01	GGTGCCTCGGCTCGCCGGCCACCGCGG
37104-37121	5:02:01	CCGGCCACCGCGGCCACC
37142-37157	4:01:01	CCGCACCGCCGCTCC
37234-37260	5:02:01	CCGCGGCGGCTTGCCGCCGAGTCCC
37265-37277	4:01:01	GGCGGCGCGGTGG
37368-37397	5:02:01	
37634-37657	4:01:01	GGCGCGGCGCGCGCCGCGTCCG
37658-37676	4:01:01	CCCCGCGCCGCGTAGGCC
37711-37733	5:02:01	GGTAGGCGGCTACTTGGGCGGG
37736-37754	4:01:01	CCACCGCGGAGCCGCTCC
37937-37959	5:02:01	GGCGGGCAGGCGGGTAGACGG
37975-37994	4:01:01	CCAGCACCTCCATGGTCGCC
38014-38031	4:01:01	GGGCTCGGCCAGGGGG
38017-38039	4:01:01	CCTCGGCCAGGGGGCTCGTCC
38042-38057	4:01:01	GGAGGCGCCGCGCGG
38069-38124	9:06:02	
38314-38336	5:02:01	CCGCCTGCGTCACCAGCTCCTCC

38339	38351	33060	42314	CDS product large tegument protein
38366	38377	33060	42314	CDS product large tegument protein
38437	38456	33060	42314	CDS product large tegument protein
38482	38510	33060	42314	CDS product large tegument protein
CCGTCGCCGCGGCTGGTCCGCCTCCGCC				
38745	38762	33060	42314	CDS product large tegument protein
38773	38807	33060	42314	CDS product large tegument protein
CCGCGCGCCGCGCGCCAGGGCGGCCAGCTCGGCC				
38869	38891	33060	42314	CDS product large tegument protein
38924	38937	33060	42314	CDS product large tegument protein
39072	39085	33060	42314	CDS product large tegument protein
39086	39123	33060	42314	CDS product large tegument protein
GGCGTTCTCGGGCAGGTGCGGGTTGAAGGCGAACACGG				
39137	39156	33060	42314	CDS product large tegument protein
39322	39332	33060	42314	CDS product large tegument protein
39343	39376	33060	42314	CDS product large tegument protein
CCTCCACGGCCGCCACGGCCGCTCCAGCTCGCC				
39421	39455	33060	42314	CDS product large tegument protein
CCTCCACGGCGGCCGCGCGCCACCTCCAGCGCC				
39517	39539	33060	42314	CDS product large tegument protein
39550	39572	33060	42314	CDS product large tegument protein
39608	39647	33060	42314	CDS product large tegument protein
CCGCGCCAGCGGCTCCAGGAAGCCCAGCTCCGGGTGCTCC				

38339-38351	4:01:01	GGAGGCGGCCCCGG
38366-38377	4:01:01	GGCCGGCGGCGG
38437-38456	6:03:01	CCGCCGCCGCGTCCACCACC
38482-38510	7:04:01	
38745-38762	4:01:01	CCGCGGCTGCCCGCGGCC
38773-38807	5:02:01	
38869-38891	4:01:01	CCATGTCCGCCCCGACGAAGCCC
38924-38937	4:01:01	GGCGGCGGCGCGGG
39072-39085	4:01:01	CCCGCCGCCGCGCC
39086-39123	6:03:01	
39137-39156	4:01:01	GGTCACGGTCTCGGCGTTGG
39322-39332	4:01:01	CCACCTCCGCC
39343-39376	8:05:02	
39421-39455	7:04:01	
39517-39539	6:03:01	CCACGGCCGCCGCCACGGCCGCC
39550-39572	4:01:01	CCTGCAGCGCCGCCACGCGCTCC
39608-39647	6:03:01	

39664	39722	33060	42314	CDS product large tegument protein	39664-39722	14:11:03
CCCCCGCCGCGCGCCGCCTTCTCCGCCGTGTCGCGTCCGCCAGCGCCGCCGCCACC						
39800	39820	33060	42314	CDS product large tegument protein	39800-39820	4:01:01 CCGGCGCCCCACCAGCGCGCC
39853	39887	33060	42314	CDS product large tegument protein	39853-39887	6:03:01
CCACCAGGCGCCACAGCGCCGCGAGCACCGTGCCC						
39922	39935	33060	42314	CDS product large tegument protein	39922-39935	4:01:01 CCACCGCCGGGCCC
40138	40157	33060	42314	CDS product large tegument protein	40138-40157	4:01:01 CCTCGTCCGGGGCGGCCGCC
40146	40173	33060	42314	CDS product large tegument protein	40146-40173	5:02:01 GGGGCGGCCGCCAGGGCGCGTCCATGG
40189	40215	33060	42314	CDS product large tegument protein	40189-40215	5:02:01 GGTCGGCGTCGGCCGAGGCGCGCTTGG
40268	40301	33060	42314	CDS product large tegument protein	40268-40301	6:03:01
CCGCTCCAGGTGCCCCGTGCGCCTGCGCCTCGGCC						
40345	40358	33060	42314	CDS product large tegument protein	40345-40358	4:01:01 CCTCGCCCCGCTCC
40418	40436	33060	42314	CDS product large tegument protein	40418-40436	4:01:01 CCGCTCCTCGGCGGCCGCC
40642	40673	33060	42314	CDS product large tegument protein	40642-40673	7:04:01
CCGCGCCGCCCGCGCCGGGCGCCCCCGGTCC						
40830	40856	33060	42314	CDS product large tegument protein	40830-40856	5:02:01 CCGCCGGGGTCCCGCGCCGCGGCGTCC
40951	40973	33060	42314	CDS product large tegument protein	40951-40973	4:01:01 CCGCGACCAGCGCCAGCTTGCC
41047	41075	33060	42314	CDS product large tegument protein	41047-41075	5:02:01
CCACAAAGTCCCCGGCCGGGCGCGCTCC						
41145	41165	33060	42314	CDS product large tegument protein	41145-41165	4:01:01 CCGTTCTCCACCAGAAAGTCC
41210	41234	33060	42314	CDS product large tegument protein	41210-41234	4:01:01 GGCGGCCCCGGGAACAGGCTCCGG
41336	41357	33060	42314	CDS product large tegument protein	41336-41357	4:01:01 GGGCTCGCGGGTGCGCGGGCGG
41372	41384	33060	42314	CDS product large tegument protein	41372-41384	4:01:01 CCGCCCGCCGACC

41401	41432	33060	42314	CDS product large tegument protein	41401-41432 6:03:01
GGTCCTCCTGGCTCGCCGGCCACGGGGGCCGG					
41404	41436	33060	42314	CDS product large tegument protein	41404-41436 6:03:01
CCTCCTGGCTCGCCGGCCACGGGGGCCGGCGCC					
41461	41485	33060	42314	CDS product large tegument protein	41461-41485 6:03:01 GGACCCGCGGCGGCGGGGAGCGG
41495	41517	33060	42314	CDS product large tegument protein	41495-41517 6:03:01 GGGTGCCGGGCGGGGGCGGCGG
41528	41576	33060	42314	CDS product large tegument protein	41528-41576 10:07:02
GGGGACGGCGGGACGGGGCGACGGCGAGGACGGGGATGGCCCCGGGG					
41586	41638	33060	42314	CDS product large tegument protein	41586-41638 11:08:02
GGCGGCGCGGCGGCCCGGGTCCGGCGGCAGGGCCATCGGGTGCACGGAGGG					
41699	41729	33060	42314	CDS product large tegument protein	41699-41729 6:03:01
GGGCACGGCGGCGAACTGGTCGTGGGGCAGG					
41878	41901	33060	42314	CDS product large tegument protein	41878-41901 5:02:01 GGCGGTAGAGGCCAGGCCACGG
41889	41915	33060	42314	CDS product large tegument protein	41889-41915 5:02:01 CCCAGGCCACGGCGCCGACCACGACC
42114	42143	33060	42314	CDS product large tegument protein	42114-42143 7:04:01
CCCCCGCCGGGCCCCGTCCACGCCTGGCCC					
42164	42183	33060	42314	CDS product large tegument protein	42164-42183 4:01:01 GGCGTCGGCCGTCAGGGCGG
42208	42236	33060	42314	CDS product large tegument protein	42208-42236 6:03:01
GGCGCAGGAAGGAGAGGGAGGAGCGCAGG					
42288	42308	33060	42314	CDS product large tegument protein	42288-42308 4:01:01 CCGACGACCACCGCGTCGGCC
42371	42400	42352	45111	CDS product tegument protein UL37	42371-42400 5:02:01
CCTCGGCCAGGAGCCGATCCACGGGCACCC					
42532	42555	42352	45111	CDS product tegument protein UL37	42532-42555 6:03:01 CCCGCCTCGCCGTCGCCCCCACC

42603	42626	42352	45111	CDS product tegument protein UL37
42629	42652	42352	45111	CDS product tegument protein UL37
42756	42802	42352	45111	CDS product tegument protein UL37
GGGCCGCAGGACGGTGGCGGCCTGCAGGCGGCCGCGCGTGAGGGCGG				
42972	42991	42352	45111	CDS product tegument protein UL37
42985	43023	42352	45111	CDS product tegument protein UL37
CCCACGGCGTCCACGACGTCCGCCAGACGCCACGTGCCC				
43122	43144	42352	45111	CDS product tegument protein UL37
43124	43155	42352	45111	CDS product tegument protein UL37
CCACGGCGCCCGCGGCCGTGGCCATCGAGTCC				
43190	43204	42352	45111	CDS product tegument protein UL37
43217	43237	42352	45111	CDS product tegument protein UL37
43248	43265	42352	45111	CDS product tegument protein UL37
43256	43287	42352	45111	CDS product tegument protein UL37
CCGGCGCCGGCGCCTCGAGCACCTCGGCGGCC				
43343	43374	42352	45111	CDS product tegument protein UL37
CCACCGTCAGGTCTCGCGGCCAGCGCCGCC				
43463	43497	42352	45111	CDS product tegument protein UL37
GGTCCGCGCGCGGTCTAGGAGGCCGTCAGGAGG				
43536	43569	42352	45111	CDS product tegument protein UL37
GGGCGCGAAGGACGGGTCGGCCATGGCCTCGAGG				
43595	43614	42352	45111	CDS product tegument protein UL37
43659	43686	42352	45111	CDS product tegument protein UL37

42603-42626	5:02:01	GGGCGTGAAGGCGGGCGGGCGG
42629-42652	4:01:01	CCTGCTCCTCGCGGCCTCGGTCC
42756-42802	10:07:02	
42972-42991	4:01:01	GGCGCGGAAGGCGCCACGG
42985-43023	6:03:01	
43122-43144	4:01:01	GGCCACGGCGCCCGCGGCCGTGG
43124-43155	5:02:01	
43190-43204	4:01:01	GGCGGCGCCGAGGG
43217-43237	4:01:01	GGTCCCGAGGAAGGCGCTGG
43248-43265	4:01:01	GGGCGGCGCCGCGCCGG
43256-43287	5:02:01	
43343-43374	6:03:01	
43463-43497	7:04:01	
43536-43569	6:03:01	
43595-43614	5:02:01	GGTCCGCGGCGGCGCGAGG
43659-43686	4:01:01	GGCGCCGTCGGCGCGAGCCCCAGCGG

43763	43773	42352	45111	CDS product tegument protein UL37	43763-43773 4:01:01	CCGCCGCCACC
43787	43812	42352	45111	CDS product tegument protein UL37	43787-43812 4:01:01	CCGCGCGCGCCGCGCCACGTGCTCC
43872	43895	42352	45111	CDS product tegument protein UL37	43872-43895 4:01:01	CCCCAGCGCCCGCGTCACGTCCCC
43987	44009	42352	45111	CDS product tegument protein UL37	43987-44009 5:02:01	CCGCCGACGACCGCCGTGCAGCC
44066	44082	42352	45111	CDS product tegument protein UL37	44066-44082 4:01:01	GGAGGTCGAGTGCGG
44138	44172	42352	45111	CDS product tegument protein UL37	44138-44172 7:04:01	
CCTGCACCGCTCCACACGCCCGTGGCGTCCACC						
44180	44200	42352	45111	CDS product tegument protein UL37	44180-44200 5:02:01	GGTCGAGGTCCGCGGCGCGG
44213	44253	42352	45111	CDS product tegument protein UL37	44213-44253 6:03:01	
CCTGCGCCCCGGGTCCAGCAGCGCCAGCACGCCCTGGTCC						
44366	44412	42352	45111	CDS product tegument protein UL37	44366-44412 9:06:02	
CCTCGCCACGGGACACGCGCCGCTCGTCCACGGCCCGCGCGCC						
44437	44454	42352	45111	CDS product tegument protein UL37	44437-44454 4:01:01	GGGTTCTGGCGTCTGTGG
44747	44766	42352	45111	CDS product tegument protein UL37	44747-44766 4:01:01	GGCGGAACATGGCGTCGGGG
44793	44815	42352	45111	CDS product tegument protein UL37	44793-44815 5:02:01	GGCTCGGTGAGGGCGGCCGTGG
44889	44907	42352	45111	CDS product tegument protein UL37	44889-44907 4:01:01	CCACAGCGCCAGGCCGGCC
44900	44926	42352	45111	CDS product tegument protein UL37	44900-44926 5:02:01	GGCCGGCCAGGTTCTCGGCGAGCACGG
44955	44970	42352	45111	CDS product tegument protein UL37	44955-44970 4:01:01	GGCGGGCAGGCCAGG
45063	45079	42352	45111	CDS product tegument protein UL37	45063-45079 4:01:01	GGCGACGGCGTGGTCGG
45322	45367	45168	46274	CDS product capsid triplex subunit 1	45322-45367 9:06:02	
CCACCCCGCGGACCTGGCCGGCGCCGCTACGCGGCCACGCCGCC						
45388	45400	45168	46274	CDS product capsid triplex subunit 1	45388-45400 4:01:01	GGAGGAGGCGTGG
45415	45441	45168	46274	CDS product capsid triplex subunit 1	45415-45441 6:03:01	

GGGCGGGCGCGCCTCGGCGGCGACGG					
45585	45614	45168	46274	CDS product capsid triplex subunit 1	45585-45614 5:02:01
CCATGATCCGGAGCCACGTGTTCCCGCACCC					
45685	45707	45168	46274	CDS product capsid triplex subunit 1	45685-45707 5:02:01 GGCCCGCGGCGACCAGGAGGCGG
45909	45928	45168	46274	CDS product capsid triplex subunit 1	45909-45928 4:01:01 CCCTCAGCTTCCTCCTGGCC
45969	46016	45168	46274	CDS product capsid triplex subunit 1	45969-46016 11:08:02
CCGACGCCCCCGCCGCGCCCGCCGCGCGCCTTCCCCGCGTACC					
46239	46259	45168	46274	CDS product capsid triplex subunit 1	46239-46259 5:02:01 GGGACGTGGGGCGTGGGAGG
46622	46651	46605	48977	CDS product ribonucleotide reductase subunit 1	46622-46651 9:06:02
CCCGCCGCTCCTCGTCCGCCGCCGCCCCC					
46666	46684	46605	48977	CDS product ribonucleotide reductase subunit 1	46666-46684 4:01:01
CCTCGACGCCGCTGCCCC					
46695	46711	46605	48977	CDS product ribonucleotide reductase subunit 1	46695-46711 4:01:01
CCCGGGCCCTCGCCGCC					
46754	46775	46605	48977	CDS product ribonucleotide reductase subunit 1	46754-46775 4:01:01
CCCGCGCCCGGCGCCTCGCGCC					
46894	46912	46605	48977	CDS product ribonucleotide reductase subunit 1	46894-46912 4:01:01
GGCGGACCTGGACGCCTGG					
46900	46923	46605	48977	CDS product ribonucleotide reductase subunit 1	46900-46923 4:01:01
CCTGGACGCCTGGCTCGCCTCGCC					
46953	46970	46605	48977	CDS product ribonucleotide reductase subunit 1	46953-46970 4:01:01
CCGCCGTGCGCCGGCACCC					
46998	47021	46605	48977	CDS product ribonucleotide reductase subunit 1	46998-47021 5:02:01

GGTTCTGGCGGGAGGCCTACCCGG					
47125	47143	46605	48977	CDS product ribonucleotide reductase subunit 1	47125-47143 5:02:01
CCTCGCCGCGCCGCGCGCC					
47180	47201	46605	48977	CDS product ribonucleotide reductase subunit 1	47180-47201 4:01:01
GGCTCGGACGCGTGGCCCGAGG					
47305	47332	46605	48977	CDS product ribonucleotide reductase subunit 1	47305-47332 6:03:01
CCTGCTGAACCCCTGCCGCGCACCACC					
47367	47384	46605	48977	CDS product ribonucleotide reductase subunit 1	47367-47384 4:01:01
CCCCATCCTGCTGCGCC					
47639	47672	46605	48977	CDS product ribonucleotide reductase subunit 1	47639-47672 5:02:01
CCGACCTGTTCTTCCAGCGCTACCAGCGGCACC					
47713	47731	46605	48977	CDS product ribonucleotide reductase subunit 1	47713-47731 4:01:01
CCGCGCCTCGCACCTGGCC					
47820	47842	46605	48977	CDS product ribonucleotide reductase subunit 1	47820-47842 4:01:01
CCTTCCTCATCGTCCGAGCGCC					
47916	47936	46605	48977	CDS product ribonucleotide reductase subunit 1	47916-47936 5:02:01
CCGCCCTCGCCACGTCCAACC					
48115	48139	46605	48977	CDS product ribonucleotide reductase subunit 1	48115-48139 4:01:01
GGGCGCCTCGGTCGAGGGCGTGCGG					
48190	48226	46605	48977	CDS product ribonucleotide reductase subunit 1	48190-48226 7:04:01
GGCGCTGGACATGGACATGGCCGACCCGGCGGCGCGG					
48229	48247	46605	48977	CDS product ribonucleotide reductase subunit 1	48229-48247 4:01:01
CCTCAACGCCGCCATCGCC					

48559	48576	46605	48977	CDS product ribonucleotide reductase subunit 1	48559-48576 4:01:01
CCTGCGCCCCAACCTGCC					
48624	48644	46605	48977	CDS product ribonucleotide reductase subunit 1	48624-48644 4:01:01
GGGACGCCGTGGCGCGGCTGG					
48657	48680	46605	48977	CDS product ribonucleotide reductase subunit 1	48657-48680 4:01:01
GGTCCGTGGCCGCGCCTTCGGGG					
48686	48706	46605	48977	CDS product ribonucleotide reductase subunit 1	48686-48706 4:01:01
CCCGCCGGGCACCCGCTGGCC					
48781	48820	46605	48977	CDS product ribonucleotide reductase subunit 1	48781-48820 8:05:02
CCACAGCCAGTCCATGTCCCTCTCCTGACCGAGCCCCGCC					
49132	49159	48987	49898	CDS product ribonucleotide reductase subunit 2	49132-49159 6:03:01
CCGCTTCCTCTTCGCCTTCCTCTCCGCC					
49458	49474	48987	49898	CDS product ribonucleotide reductase subunit 2	49458-49474 4:01:01
CCTCCTCGTTCGCCTCC					
49548	49564	48987	49898	CDS product ribonucleotide reductase subunit 2	49548-49564 4:01:01
CCATCCACACCTCGGCC					
49599	49628	48987	49898	CDS product ribonucleotide reductase subunit 2	49599-49628 5:02:01
CCCCGCGCCCGACGAGGCCCGCATCCACC					
49693	49714	48987	49898	CDS product ribonucleotide reductase subunit 2	49693-49714 5:02:01
CCTCCTGCTGGACCTGCCGGCC					
50444	50471	50401	51498	CDS product tegument host shutoff protein	50444-50471 7:04:01
GGACGGCCTGGTAGTTCGGGGCGGGGG					
50491	50509	50401	51498	CDS product tegument host shutoff protein	50491-50509 4:01:01 CCCGCCAGCTCCTTCGCCC

50765	50790	50401	51498	CDS product tegument host shutoff protein	50765-50790 5:02:01
CCTCGGGGGCCACCTCGGGCCCTCC					
50801	50833	50401	51498	CDS product tegument host shutoff protein	50801-50833 6:03:01
CCACCTGCTGCACCGAGTCCACGTCCGGCGCCC					
50827	50850	50401	51498	CDS product tegument host shutoff protein	50827-50850 4:01:01
GGCGCCCGGTGCAGGTCCGTGTGG					
50867	50892	50401	51498	CDS product tegument host shutoff protein	50867-50892 5:02:01
CCAGGAActCCGAGTAGTCCACCCCC					
51015	51031	50401	51498	CDS product tegument host shutoff protein	51015-51031 4:01:01 GGTGTGGTAGAGGTTGG
51044	51066	50401	51498	CDS product tegument host shutoff protein	51044-51066 5:02:01
CCGCCTCCATGTCCGACACGTCC					
51151	51172	50401	51498	CDS product tegument host shutoff protein	51151-51172 5:02:01
GGCCGCGGCGGCGCGTCGGCGG					
51186	51217	50401	51498	CDS product tegument host shutoff protein	51186-51217 5:02:01
GGCGGCACGGCCGCGGCCATGATGGCCTTGG					
51197	51221	50401	51498	CDS product tegument host shutoff protein	51197-51221 4:01:01
CCGCGGCCATGATGGCCTTGGCGCC					
51235	51258	50401	51498	CDS product tegument host shutoff protein	51235-51258 4:01:01
CCGTTCCCGAAGATGCCGCGGTCC					
51305	51331	50401	51498	CDS product tegument host shutoff protein	51305-51331 5:02:01
GGCGCAGCAGGCAGCGGGCGGTCTGTGG					
51395	51439	50401	51498	CDS product tegument host shutoff protein	51395-51439 8:05:02
GGTCGATGGCGATTGGCGTGAGGACCCCGCGGCGTGGAGATGG					

51647	51688	51628	52782	CDS product DNA polymerase processivity subunit	51647-51688	8:05:02
CCTCGAGGACCTGGACCGCCACCCACCCACGCGCACCACCC						
51793	51819	51628	52782	CDS product DNA polymerase processivity subunit	51793-51819	5:02:01
CCGCCATCGCCCCGCTGGCCGCGCACC						
51998	52013	51628	52782	CDS product DNA polymerase processivity subunit	51998-52013	4:01:01
52214	52238	51628	52782	CDS product DNA polymerase processivity subunit	52214-52238	5:02:01
CCCCCAGGTGGCCAAGCTCGCCGCC						
52241	52262	51628	52782	CDS product DNA polymerase processivity subunit	52241-52262	4:01:01
GGCGAAGGGCGCCGCGGCCGGG						
52297	52313	51628	52782	CDS product DNA polymerase processivity subunit	52297-52313	4:01:01
CCGTCTCCTCCAGCGCC						
52584	52646	51628	52782	CDS product DNA polymerase processivity subunit	52584-52646	16:13:04
CCCGCCGACCCCGCCACCGTGCCCGCCGCCCCGAGGGCGCCGCCACCGTCGCCGCCGCC						
52663	52676	51628	52782	CDS product DNA polymerase processivity subunit	52663-52676	5:02:01
52716	52742	51628	52782	CDS product DNA polymerase processivity subunit	52716-52742	5:02:01
CCCATCGCCAAGCGCCCGGGGCCGCC						
52735	52756	51628	52782	CDS product DNA polymerase processivity subunit	52735-52756	5:02:01
GGGCCGCCTCGGGGAAGGGG						
52852	52866	52842	53963	CDS product envelope protein UL43	52852-52866	4:01:01
53029	53062	52842	53963	CDS product envelope protein UL43	53029-53062	5:02:01
CCTGCCCATGCCCTCGTGACCGGTTTCATCCCC						
53227	53240	52842	53963	CDS product envelope protein UL43	53227-53240	4:01:01
53260	53279	52842	53963	CDS product envelope protein UL43	53260-53279	5:02:01
GGCCTGCGGCGCGGGGGG						

53382	53426	52842	53963	CDS product envelope protein UL43	53382-53426	8:05:02
CCTACGTCGCCAGCCGCGCCCGGTTCTGGCCGCGCCCGCGGACC						
53460	53479	52842	53963	CDS product envelope protein UL43	53460-53479	5:02:01 CCGACCCACCGCCGAGCCC
53502	53527	52842	53963	CDS product envelope protein UL43	53502-53527	5:02:01 CCGTCCCGCACACCCACGCCTACGCC
53562	53576	52842	53963	CDS product envelope protein UL43	53562-53576	5:02:01 CCGCCTCCTCCCTCC
53624	53660	52842	53963	CDS product envelope protein UL43	53624-53660	8:05:02
CCCACCACCGCGCCCGCGGCCGCGCCGGGTTCC						
53635	53672	52842	53963	CDS product envelope protein UL43	53635-53672	7:04:01
GGCCGCGCGCGCGCCCGGGTTCTGGACGCGGCGG						
53740	53782	52842	53963	CDS product envelope protein UL43	53740-53782	7:04:01
CCTCATCTCGCGGCCATCGTCTCACGGCCCGGCGAGCCC						
53792	53819	52842	53963	CDS product envelope protein UL43	53792-53819	6:03:01 CCCATCAGCCTCGCGCCTCCACCGGCC
53840	53881	52842	53963	CDS product envelope protein UL43	53840-53881	7:04:01
CCACGTCCGCTGCGCCACACCCGCGGTACCGGCTCGCCGCC						
54080	54102	54029	55468	CDS product envelope glycoprotein C	54080-54102	4:01:01 CCATCGCCGCGGCGCCGTCGACC
54130	54143	54029	55468	CDS product envelope glycoprotein C	54130-54143	5:02:01 GGGGCGGCGGCGG
54169	54204	54029	55468	CDS product envelope glycoprotein C	54169-54204	9:06:02
CCCTCTCCGCCCCGACCCCCGCGCCCGCCTCGCCC						
54226	54243	54029	55468	CDS product envelope glycoprotein C	54226-54243	5:02:01 CCCCCGGTCCCGCCGCCC
54354	54373	54029	55468	CDS product envelope glycoprotein C	54354-54373	5:02:01 GGCGCGGTGGGGACGCGG
54389	54414	54029	55468	CDS product envelope glycoprotein C	54389-54414	4:01:01 CCGTCTTCCCGCGCGCCGGGAGACC
54447	54468	54029	55468	CDS product envelope glycoprotein C	54447-54468	4:01:01 CCGCTCGCCCGACCCGACCCC
54484	54503	54029	55468	CDS product envelope glycoprotein C	54484-54503	4:01:01 CCCCCGCGCCCGAGCTCCC

54527	54547	54029	55468	CDS product envelope glycoprotein C
54680	54708	54029	55468	CDS product envelope glycoprotein C
CCGCCAACGGCACCGAGGTCCGGAGCGCC				
54720	54738	54029	55468	CDS product envelope glycoprotein C
54866	54894	54029	55468	CDS product envelope glycoprotein C
CCGCCTTCGTGACCAACAGCACCGTGCC				
54945	54979	54029	55468	CDS product envelope glycoprotein C
GGACGTCCCGGGCCTCGCGGCCGCGGACGCCGCGG				
54951	54975	54029	55468	CDS product envelope glycoprotein C
55049	55079	54029	55468	CDS product envelope glycoprotein C
CCGAGGCCCTGCGCCCCACGTCTACCACCC				
55080	55093	54029	55468	CDS product envelope glycoprotein C
55152	55200	54029	55468	CDS product envelope glycoprotein C
CCTCGCCTGGTCCGACCAGCCGCCGACACCGTCTACCACCTCGGCGCC				
55277	55299	54029	55468	CDS product envelope glycoprotein C
55340	55353	54029	55468	CDS product envelope glycoprotein C
55745	55786	55699	56535	CDS product capsid scaffold protein
GGCAGGCCACGGCGGCCGAGCTGGCGTCGATGGTGCCGCGG				
55793	55815	55699	56535	CDS product capsid scaffold protein
55812	55885	55699	56535	CDS product capsid scaffold protein
GGCCTGGACGGGCGGCTGGGGGCGGAGCGGGCGCGGCCGGGGCGGCGGCCTGAACGGGGCGGCCGCGGCGG				
55897	55948	55699	56535	CDS product capsid scaffold protein
GGAGCCGAGCGGGGCGGCCGCGGCGGCGGGCACGGCCACCGGCTGGG				

54527-54547	5:02:01	CCGCCAACGCCTCCCTCGCCC
54680-54708	5:02:01	
54720-54738	4:01:01	CCTCCTGTACAGCCAGCCC
54866-54894	5:02:01	
54945-54979	5:02:01	
54951-54975	4:01:01	CCCGGGCCTCGCGGCCGCGGACGCC
55049-55079	6:03:01	
55080-55093	4:01:01	GGCGGCGGTCTCGG
55152-55200	10:07:02	
55277-55299	5:02:01	CCTGCCGCCTCGAGGGCCTGCCC
55340-55353	4:01:01	CCTCCCCGCGTCC
55745-55786	8:05:02	
55793-55815	5:02:01	CCGCCGGGGCCGAGACCGAGGCC
55812-55885	17:14:04	
55897-55948	12:09:03	

55937	55962	55699	56535	CDS product capsid scaffold protein	55937-55962	6:03:01	CCACCGGCTGGGCCTGCACCACCACC
55963	55989	55699	56535	CDS product capsid scaffold protein	55963-55989	4:01:01	GGCTGCTGCGGGACCACCTGGGCGGGG
56001	56050	55699	56535	CDS product capsid scaffold protein	56001-56050	10:07:02	
GGGGGCCGCCAGGCCCTGGAGGCCCGGCAGGCCCGGAGCGCCGGCACGG							
56006	56043	55699	56535	CDS product capsid scaffold protein	56006-56043	6:03:01	
CCGCCAGGCCCTGGAGGCCCGGCAGGCCCGGAGCGCC							
56061	56075	55699	56535	CDS product capsid scaffold protein	56061-56075	4:01:01	GGGCGAGGGGGGCGG
56124	56145	55699	56535	CDS product capsid scaffold protein	56124-56145	4:01:01	GGCTGCGTGGTGCGGGTGCGGG
56203	56238	55699	56535	CDS product capsid scaffold protein	56203-56238	6:03:01	
GGCGTCGGGTAGCGGAGCTGCTGGGCGCGCAGGTGG							
56352	56407	55699	56535	CDS product capsid scaffold protein	56352-56407	13:10:03	
GGCGGGGGGCCGGGGCTCGGGCGAGGGCGAGCGGCGGTGGCGGCGGTCCATGGCGG							
56429	56457	55699	56535	CDS product capsid scaffold protein	56429-56457	5:02:01	
GGGACTCCAGGCTGGGCGCCGGGCGCTGG							
56747	56764	55699	57273	CDS product capsid maturation protease	56747-56764	4:01:01	GGTCCGGCGACTCGGCGG
56807	56836	55699	57273	CDS product capsid maturation protease	56807-56836	6:03:01	
GGAACGGCGCCACGGCGGCCTCGGGCGAGG							
56910	56931	55699	57273	CDS product capsid maturation protease	56910-56931	4:01:01	GGGGGCCTCGCCGGGCGCCAGG
56915	56935	55699	57273	CDS product capsid maturation protease	56915-56935	4:01:01	CCTCGCCGGGCGCCAGGCGCC
56940	56961	55699	57273	CDS product capsid maturation protease	56940-56961	4:01:01	GGACAGGGACGCCAGGGCAGG
56985	57014	55699	57273	CDS product capsid maturation protease	56985-57014	5:02:01	
CCGCTCCTCGTCCGAGAGCCGCATGTCCCC							
57025	57049	55699	57273	CDS product capsid maturation protease	57025-57049	4:01:01	

GGGCCCACGGCGGGCGAGCACGG					
57159	57190	55699	57273	CDS product capsid maturation protease	57159-57190 6:03:01
GGGCAGCGGGCCCGGGGGCAGCGGCGG					
57527	57546	57307	58911	CDS product DNA packaging tegument protein UL25	57527-57546 4:01:01
CCAGCGCCACCAGGCGCACC					
57539	57561	57307	58911	CDS product DNA packaging tegument protein UL25	57539-57561 4:01:01
GGCGCACCAGGTTGAGCTGGTGG					
57593	57614	57307	58911	CDS product DNA packaging tegument protein UL25	57593-57614 4:01:01
CCAGCGCCAGCGGGCCAGCCC					
57742	57758	57307	58911	CDS product DNA packaging tegument protein UL25	57742-57758 4:01:01
GGCGGCGGCGCGTTGGG					
57893	57936	57307	58911	CDS product DNA packaging tegument protein UL25	57893-57936 9:06:02
GGAAGAGGTTCTGGCCGCGGCCAGGAAGCGGCCGCGGCGG					
57941	57969	57307	58911	CDS product DNA packaging tegument protein UL25	57941-57969 5:02:01
CCTCGTCCACGAAGCCCGCGCCGTCGACC					
58107	58125	57307	58911	CDS product DNA packaging tegument protein UL25	58107-58125 4:01:01
CCCGCCCTCGGCCAGCGCC					
58154	58179	57307	58911	CDS product DNA packaging tegument protein UL25	58154-58179 4:01:01
CCCGCTCCAGCAGGTCCGCGATGCCC					
58183	58207	57307	58911	CDS product DNA packaging tegument protein UL25	58183-58207 5:02:01
GGGGCGGCGGCGCCCGGGCGCCG					
58195	58216	57307	58911	CDS product DNA packaging tegument protein UL25	58195-58216 5:02:01
CCCGCGGCGCGGCCCCCTGCC					

58535	58578	57307	58911	CDS product DNA packaging tegument protein UL25	58535-58578	7:04:01
CCTCGCGGCCCTCGTCCGCGGCCGCGGTGCGCTCGGGCGCCTCC						
58592	58605	57307	58911	CDS product DNA packaging tegument protein UL25	58592-58605	4:01:01 CCGCGTCCGCCTCC
58619	58678	57307	58911	CDS product DNA packaging tegument protein UL25	58619-58678	10:07:02
CCGTCTCCTCGAGCACCACGAGCGCCTCGGCCACGCGCTCCACCTGCCGCTCCAGCGGCC						
58743	58758	57307	58911	CDS product DNA packaging tegument protein UL25	58743-58758	4:01:01 GGCGGCCGCGCGGCGG
59172	59195	59004	59519	CDS product nuclear protein UL24	59172-59195	7:04:01 GGGGACGCGCGCGCGAGGAGG
59260	59276	59004	59519	CDS product nuclear protein UL24	59260-59276	4:01:01 GGTTCGGGGGAAGCGG
59312	59330	59004	59519	CDS product nuclear protein UL24	59312-59330	5:02:01 CCCCACCCAGCCGACC
59441	59459	59004	59519	CDS product nuclear protein UL24	59441-59459	4:01:01 GGACGGGTCGCGGCGCAGG
59572	59592	59512	60474	CDS product thymidine kinase	59572-59592	4:01:01 GGGTGATGGCGCTCGCGGGG
59642	59656	59512	60474	CDS product thymidine kinase	59642-59656	4:01:01 GGACACGGTGGCCG
60656	60678	60610	62670	CDS product envelope glycoprotein H	60656-60678	4:01:01 GGGCCTCCTGGCCCTCGCGGGG
60679	60693	60610	62670	CDS product envelope glycoprotein H	60679-60693	4:01:01 CCGCCGCCCTCGCCC
60735	60755	60610	62670	CDS product envelope glycoprotein H	60735-60755	4:01:01 CCCGCGCCACCGCGGCGCCC
60819	60831	60610	62670	CDS product envelope glycoprotein H	60819-60831	4:01:01 GGCGGGCTGGGG
60851	60876	60610	62670	CDS product envelope glycoprotein H	60851-60876	4:01:01 CCGCGGCACCTGCTCGCCGGTACC
60897	60911	60610	62670	CDS product envelope glycoprotein H	60897-60911	4:01:01 CCCCCGCCGTCTCC
61022	61047	60610	62670	CDS product envelope glycoprotein H	61022-61047	7:04:01 GGCGGCGGTGTGCCCCGCGAGGTGG
61199	61228	60610	62670	CDS product envelope glycoprotein H	61199-61228	5:02:01
GGCGCTCGGCTCGGACCTGGAGCCGCCGG						
61214	61248	60610	62670	CDS product envelope glycoprotein H	61214-61248	7:04:01
CCTGGAGCCGCCGGGCCCGCGGGCCGCTTCC						

61268	61290	60610	62670	CDS product envelope glycoprotein H
61352	61383	60610	62670	CDS product envelope glycoprotein H
GGCGGCGCACGCGGCCGCCCTGGCCGCCGTGG				
61366	61379	60610	62670	CDS product envelope glycoprotein H
61463	61494	60610	62670	CDS product envelope glycoprotein H
CCGCGACCGGCGCGCCTCGGCGCCGGCGCTCC				
61598	61637	60610	62670	CDS product envelope glycoprotein H
CCCGGTGGCGCCCGCGGACCAGCTCCGCGCCGCTGGACC				
61633	61665	60610	62670	CDS product envelope glycoprotein H
GGACCTTCGGCGAGGACCCGGCGCCCCGGCTGG				
61795	61823	60610	62670	CDS product envelope glycoprotein H
CCCTGCTCCGCACCACGGCCATGTGCACC				
61834	61847	60610	62670	CDS product envelope glycoprotein H
61960	61982	60610	62670	CDS product envelope glycoprotein H
61967	61991	60610	62670	CDS product envelope glycoprotein H
62010	62064	60610	62670	CDS product envelope glycoprotein H
GGGGCCCCGGGCGCGGCGGGCGGACGAGGGGGCGGAGGAGGAGGAGG				
62080	62099	60610	62670	CDS product envelope glycoprotein H
62155	62175	60610	62670	CDS product envelope glycoprotein H
62268	62287	60610	62670	CDS product envelope glycoprotein H
62410	62432	60610	62670	CDS product envelope glycoprotein H
64504	64532	64488	66065	CDS product tegument protein UL21
GGACGATGGAGATGTTGGCGCGGGTCAGG				

61268-61290	4:01:01	CCTCTCCGACGGGGCCATGCACC
61352-61383	5:02:01	
61366-61379	4:01:01	CCGCCCTGGCCGCC
61463-61494	5:02:01	
61598-61637	7:04:01	
61633-61665	6:03:01	
61795-61823	5:02:01	
61834-61847	4:01:01	CCGCCGCGCCGCC
61960-61982	5:02:01	CCACCCTGGCCAACCTGGGCGCC
61967-61991	4:01:01	GGCCAACCTGGGCGCCGCGGCGCGG
62010-62064	14:11:03	
62080-62099	4:01:01	CCGCGCCCAGATCCCCGCC
62155-62175	4:01:01	GGCGCCCGGACTGCGGCCCGG
62268-62287	4:01:01	CCCGAGTCCCAGCACCTGCC
62410-62432	5:02:01	CCGGCGCCAACCTCCACCATCCCC
64504-64532	5:02:01	

64555 64582 64488 66065 CDS product tegument protein UL21
 64616 64636 64488 66065 CDS product tegument protein UL21
 64667 64686 64488 66065 CDS product tegument protein UL21
 64694 64727 64488 66065 CDS product tegument protein UL21
 CCCGTCCAGCACCCGCGCCCCGCGCCTCCACC
 64780 64812 64488 66065 CDS product tegument protein UL21
 CCGCCAGCTCCAGGCGCGTCGCCGCTCCTCCC
 64840 64853 64488 66065 CDS product tegument protein UL21
 64936 64965 64488 66065 CDS product tegument protein UL21
 GGTGACGGCGTGGGCCACGGCGCTCGCGG
 64966 65008 64488 66065 CDS product tegument protein UL21
 CCCGAGAGCCGCGTGGCGCCCCCTCCTCCCCCTTCTCCTCC
 65094 65123 64488 66065 CDS product tegument protein UL21
 GGCAGGTGCCAGCGGGCCAGGATGAACTGG
 65230 65250 64488 66065 CDS product tegument protein UL21
 65431 65466 64488 66065 CDS product tegument protein UL21
 CCGCGCGCCCGCCCTTACCACCACGGCCGTGGGCC
 65627 65669 64488 66065 CDS product tegument protein UL21
 GGCGGGCTCGGCCAGGAGCTCCAGGACGCGGTCCTGCTGGCGG
 65924 65952 64488 66065 CDS product tegument protein UL21
 CCCGAAGTTCGCGATCTCCCGGAGCGCC
 66437 66461 66172 66657 CDS product envelope protein UL20
 66451 66475 66172 66657 CDS product envelope protein UL20

64555-64582 5:02:01 GGTACTGGGCCCCGCGGAGGGCCGCGGG
 64616-64636 4:01:01 GGCGCAGACGGCGGACGTGGG
 64667-64686 4:01:01 GGCGACGAGGCCCCGCGCCG
 64694-64727 8:05:02

 64780-64812 7:04:01

 64840-64853 4:01:01 CCCCCGCCGGGTCC
 64936-64965 5:02:01

 64966-65008 11:08:02

 65094-65123 5:02:01

 65230-65250 4:01:01 CCGAGGCGCCCGCGGCCCGCC
 65431-65466 7:04:01

 65627-65669 8:05:02

 65924-65952 4:01:01

 66437-66461 5:02:01 GGCGGGAACGTGGCCCCGGACCG
 66451-66475 4:01:01 CCCGGGACCGGATGCCGCTCTCGCC

66476	66519	66172	66657	CDS product envelope protein UL20	66476-66519	9:06:02
GGCGCAGCAGGCGGCTGGGGCTCCTGGCGGCGGCGGCTGG						
66751	66765	66744	70736	CDS product major capsid protein	66751-66765	4:01:01 CCCGGCCATCCTGCC
66922	66941	66744	70736	CDS product major capsid protein	66922-66941	4:01:01 GGAGCTCGGGCTCTCGGTGG
67034	67054	66744	70736	CDS product major capsid protein	67034-67054	5:02:01 CCGCACCCGGCCGACCAGCCC
67078	67105	66744	70736	CDS product major capsid protein	67078-67105	5:02:01 CCTCGATCGCCGCTCCCTCAACGCCGCC
67324	67346	66744	70736	CDS product major capsid protein	67324-67346	4:01:01 GGGCCGGCTCGCGGACCGGTGG
67426	67457	66744	70736	CDS product major capsid protein	67426-67457	6:03:01
GGACGCGGTCCTGGACCGGCTCTCGGACCTGG						
67529	67551	66744	70736	CDS product major capsid protein	67529-67551	4:01:01 GGGGTGCTGGTGACCACGGCCGG
67657	67676	66744	70736	CDS product major capsid protein	67657-67676	4:01:01 GCGCTGGTGATGGGCAAGG
67792	67814	66744	70736	CDS product major capsid protein	67792-67814	4:01:01 CCGCCTGGTGTTCCTCGAGGCCC
67907	67919	66744	70736	CDS product major capsid protein	67907-67919	4:01:01 CCGCCGCCGACC
67949	67971	66744	70736	CDS product major capsid protein	67949-67971	5:02:01 CCCACGCCGGCCTCCCGGACCC
68046	68075	66744	70736	CDS product major capsid protein	68046-68075	6:03:01
CCATGGGCACCTCTGCCACCCCTCCTTCC						
68238	68258	66744	70736	CDS product major capsid protein	68238-68258	6:03:01 CCGCGCCGCCGGCCGCCGACC
68270	68291	66744	70736	CDS product major capsid protein	68270-68291	4:01:01 CCCGGCAACGCCGACCTGCGCC
68341	68363	66744	70736	CDS product major capsid protein	68341-68363	4:01:01 CCCCggGCCCTTCGCCGTGCCCC
68470	68514	66744	70736	CDS product major capsid protein	68470-68514	9:06:02
GGACCGGCATCGGCTGGCCCCGGCCACGGTGGCCGCGGTGCGCGG						
68517	68539	66744	70736	CDS product major capsid protein	68517-68539	4:01:01 CCTTCGCGACGCCAACTACCCC
69005	69017	66744	70736	CDS product major capsid protein	69005-69017	4:01:01 GGCGGCGGCTGG

69046	69073	66744	70736	CDS product major capsid protein
69205	69224	66744	70736	CDS product major capsid protein
69229	69265	66744	70736	CDS product major capsid protein
CCCCCGGCACCCGCTGCACCCGCGCAACCTCGTGCCC				
69376	69422	66744	70736	CDS product major capsid protein
GGCCTCGGTGGCGCCGGACGCGGGCATGGCCACGGTGGCCACGCGGG				
69471	69490	66744	70736	CDS product major capsid protein
69543	69565	66744	70736	CDS product major capsid protein
69745	69764	66744	70736	CDS product major capsid protein
69949	69971	66744	70736	CDS product major capsid protein
70021	70042	66744	70736	CDS product major capsid protein
70107	70132	66744	70736	CDS product major capsid protein
70151	70175	66744	70736	CDS product major capsid protein
70156	70180	66744	70736	CDS product major capsid protein
70271	70294	66744	70736	CDS product major capsid protein
70306	70360	66744	70736	CDS product major capsid protein
CCACAGCCACGCGGACCCCGCGCACCCCAACCGCGCCACCGCCAATCCCTGGGCC				
70476	70489	66744	70736	CDS product major capsid protein
70509	70521	66744	70736	CDS product major capsid protein
70953	70979	70896	71783	CDS product capsid triplex subunit 2
GGTGCGAGGGCCGCGTGGTGTTCCTGG				
71044	71062	70896	71783	CDS product capsid triplex subunit 2
71120	71137	70896	71783	CDS product capsid triplex subunit 2

69046-69073	5:02:01	CCAGCCCCTGCACCCGACCCACGACGCC
69205-69224	5:02:01	GGACGAGGAGGTGGGCACGG
69229-69265	6:03:01	
69376-69422	9:06:02	
69471-69490	4:01:01	CCTACCAGCCCAACGACGCC
69543-69565	5:02:01	CCTGCGCCGACCACCTCGGCGCC
69745-69764	4:01:01	CCCCGTGGCCTTCACCCACC
69949-69971	4:01:01	GGACCTGGGCGTGGGCTTCACGG
70021-70042	4:01:01	CCTGCCGCAGAACCTCTTCGCC
70107-70132	5:02:01	CCGGCAACCGCCTGGCGCCCGTGCCC
70151-70175	4:01:01	CCCCAGGTGCCCGCGGCCTGGCCC
70156-70180	4:01:01	GGTGCCCGCGGCCTGGCCCGCGGG
70271-70294	5:02:01	GGCGAGGTGCACGGCGAGGAGGGG
70306-70360	11:08:02	
70476-70489	4:01:01	GGGGGCTGGCGCGG
70509-70521	4:01:01	CCGCCGCTCGCC
70953-70979	4:01:01	
71044-71062	4:01:01	GGCCATGGCTGACCGGCGG
71120-71137	4:01:01	GGCGTCGGCGGCCGCGGG

71188	71208	70896	71783	CDS product capsid triplex subunit 2	71188-71208 4:01:01	CCACGTGTGCCTCGTCCCGCC
71302	71315	70896	71783	CDS product capsid triplex subunit 2	71302-71315 4:01:01	GGCGCGGGTGGTGG
71383	71411	70896	71783	CDS product capsid triplex subunit 2	71383-71411 6:03:01	
CCGGCGCTACCAGCTGCCCCGCCGCACC						
71518	71532	70896	71783	CDS product capsid triplex subunit 2	71518-71532 4:01:01	GGGGGCGCAGGACGG
71597	71621	70896	71783	CDS product capsid triplex subunit 2	71597-71621 6:03:01	
CCCCCGCCGCGCTGCCGACAGGACC						
71647	71662	70896	71783	CDS product capsid triplex subunit 2	71647-71662 4:01:01	GGCGCTGGAGGCCTGG
71734	71752	70896	71783	CDS product capsid triplex subunit 2	71734-71752 5:02:01	CCCCCGACCGTCCCCCCC
71753	71777	70896	71783	CDS product capsid triplex subunit 2	71753-71777 6:03:01	
GGCGAGAAGGCCGCGGTGGTGGAGG						
72028	72048	71979	77065	CDS product DNA packaging terminase subunit 1	72028-72048 4:01:01	
GGGCCACGGCGAGGTCGTCGG						
72087	72107	71979	77065	CDS product DNA packaging terminase subunit 1	72087-72107 5:02:01	
CCGGCCCCCGAGGCCGTCTCC						
72375	72398	71979	77065	CDS product DNA packaging terminase subunit 1	72375-72398 4:01:01	
CCCACGATGGCCACGGCCGAGTCC						
72411	72434	71979	77065	CDS product DNA packaging terminase subunit 1	72411-72434 4:01:01	
CCCTCGACGGCCACGCGACCGCC						
72576	72598	71979	77065	CDS product DNA packaging terminase subunit 1	72576-72598 4:01:01	
CCCACGACGGCCACGCCGGTGCC						
72584	72603	71979	77065	CDS product DNA packaging terminase subunit 1	72584-72603 4:01:01	
GGCCACGCCGGTGCCGAGG						

72653	72698	71979	77065	CDS product DNA packaging terminase subunit 1	72653-72698 9:06:02
GGCCAGCAGGCGGCGTTGGCCACCGAGGAGGGCGGTAGAGCAGG					
72797	72825	71979	77065	CDS product DNA packaging terminase subunit 1	72797-72825 5:02:01
GGCCGTGGTGCGCGTGGCGGCGTCCATGG					
72863	72876	71979	77065	CDS product DNA packaging terminase subunit 1	72863-72876 4:01:01 GGCGGTGGCGTCGG
72938	72993	71979	77065	CDS product DNA packaging terminase subunit 1	72938-72993 11:08:02
GGTGCCCGGAGGTTGGTGAGGAAGCTGGTGCTGGCCTTGCCGGTGTGGTGGAGG					
73036	73058	71979	77065	CDS product DNA packaging terminase subunit 1	73036-73058 4:01:01
GGATGGTCTGCACGGCATCGGGG					
73239	73252	73166	74959	CDS product DNA packaging tegument protein UL17	73239-73252 4:01:01 CCCGGACCCCCTCC
73272	73294	73166	74959	CDS product DNA packaging tegument protein UL17	73272-73294 4:01:01
CCCGCTCGCGCCCTTCGCCGCC					
73572	73599	73166	74959	CDS product DNA packaging tegument protein UL17	73572-73599 5:02:01
CCTGGAGCGCCTGTGCCGCCAGTTCGCC					
73616	73649	73166	74959	CDS product DNA packaging tegument protein UL17	73616-73649 7:04:01
GGCGCGTGGCCCCGGCGGTCGCGGCCGCGGGGGG					
73862	73936	73166	74959	CDS product DNA packaging tegument protein UL17	73862-73936 16:13:04
GGCGCGGCGGCGGAGGAGGCGGCGGGGGCGCTCGAGGCGGCGGCGACGGTCCCGCGCCCGGCGCGCGAGG					
73984	74000	73166	74959	CDS product DNA packaging tegument protein UL17	73984-74000 4:01:01
CCCCAGGACCCCGGCC					
74103	74118	73166	74959	CDS product DNA packaging tegument protein UL17	74103-74118 4:01:01 CCGCCACTACCAGACC
74162	74184	73166	74959	CDS product DNA packaging tegument protein UL17	74162-74184 5:02:01
GGGGCGGCCGCGCGGGCCCCGG					

74259	74286	73166	74959	CDS product DNA packaging tegument protein UL17	74259-74286	7:04:01	
GGAGGCGCGGCGGGAGCTGGTGC GCGG							
74405	74435	73166	74959	CDS product DNA packaging tegument protein UL17	74405-74435	5:02:01	
CCGGCGTCCGCGAGTCCGTGCGCCGCGAGCC							
74466	74491	73166	74959	CDS product DNA packaging tegument protein UL17	74466-74491	5:02:01	
CCGCCCCGCGGACCGCGAGGCCGTCC							
74556	74579	73166	74959	CDS product DNA packaging tegument protein UL17	74556-74579	4:01:01	
GGCGCGGGAGATGGTCGACTCGGG							
74604	74625	73166	74959	CDS product DNA packaging tegument protein UL17	74604-74625	5:02:01	
CCTCGCCGCGCGGCCACCGCC							
74692	74746	73166	74959	CDS product DNA packaging tegument protein UL17	74692-74746	9:06:02	
GGCGGGGAGGTTATAAGGGTGACGCGGGCCCCGCCGGCCGTGGCAGTGGAGCCGG							
74987	75012	74986	75972	CDS product tegument protein UL16	74987-75012	6:03:01	GGAGGTGGCCGCGGCCCTGACGGAGG
75089	75125	74986	75972	CDS product tegument protein UL16	75089-75125	7:04:01	
CCTGGCCGCCGTGGCGCCCGGCGCCGCGACCGTCGCC							
75226	75246	74986	75972	CDS product tegument protein UL16	75226-75246	4:01:01	CCGTGACCACGACCACGCTCC
75306	75405	74986	75972	CDS product tegument protein UL16	75306-75405	19:16:04	
CCCGCCGACCTGCCCCGTCGCCGAGCCCGTCCCCGCCGCGCCGGCGGGCCGCTGGACCTGGACGCCGCCGAGCCCGTGGCCGCGGCGCCGGCGGGCCGCC							
75347	75366	74986	75972	CDS product tegument protein UL16	75347-75366	4:01:01	GGCGGGCCGCTGGACCTGG
75383	75400	74986	75972	CDS product tegument protein UL16	75383-75400	4:01:01	GGCCGCGGCGCCGGCGGG
75416	75448	74986	75972	CDS product tegument protein UL16	75416-75448	6:03:01	
GGTCCTGGCCCCCGGCGCGTGGTGGGCGCGCGG							
75515	75536	74986	75972	CDS product tegument protein UL16	75515-75536	4:01:01	CCACCTCGGCGCCGTGCTCGCC

75621	75678	74986	75972	CDS product tegument protein UL16	75621-75678	10:07:02
CCGCACCCCGACGGGGCCGCCGCGCGTGCCTGTGCGCCGCGCGTGCCTGTGGCGCC						
75673	75693	74986	75972	CDS product tegument protein UL16	75673-75693	4:01:01 GCGGCCAGGCGGACAAGCGGG
75849	75876	74986	75972	CDS product tegument protein UL16	75849-75876	6:03:01 GGCTGGCGCCTGGTGGCCCTGGACCCGG
75929	75950	74986	75972	CDS product tegument protein UL16	75929-75950	5:02:01 CCCCCCGCCGCGCCATCCCC
76095	76120	71979	77065	CDS product DNA packaging terminase subunit 1	76095-76120	4:01:01
GGCACCAGCGGCGCAGGCGCGCGTGG						
76135	76160	71979	77065	CDS product DNA packaging terminase subunit 1	76135-76160	4:01:01
GGGCTCCGTGGCCTTGCGGATGTGGG						
76176	76193	71979	77065	CDS product DNA packaging terminase subunit 1	76176-76193	4:01:01
GGATGCCGCGGAAGGTGG						
76329	76354	71979	77065	CDS product DNA packaging terminase subunit 1	76329-76354	6:03:01
GGTAGGCGGTGGCGCGCTCGGCGTGG						
76419	76477	71979	77065	CDS product DNA packaging terminase subunit 1	76419-76477	13:10:03
CCAGCGTGCCGCGCCCGCCGCCCTTTGCCCTCGCCCCGCCTCCATCGTGGCCCTCC						
76502	76572	71979	77065	CDS product DNA packaging terminase subunit 1	76502-76572	12:09:03
CCGGGCGCGCCCTTCGCGCCCGCCGGGCCCTCTCGTCCTTCTCCTTCCCCCATCCTCCTCGTCGCC						
76581	76611	71979	77065	CDS product DNA packaging terminase subunit 1	76581-76611	8:05:02
CCCCGGGCCCCGCCGCCGCCGCCGCGTCCC						
76614	76640	71979	77065	CDS product DNA packaging terminase subunit 1	76614-76640	5:02:01
GGGCGGCCGTCGCGCGTCGCGGAAGG						
76680	76700	71979	77065	CDS product DNA packaging terminase subunit 1	76680-76700	5:02:01
GGAGCTGGCGGAAGCCCCGG						

76716	76726	71979	77065	CDS product DNA packaging terminase subunit 1	76716-76726 4:01:01	CCACCGCCGCC
76749	76762	71979	77065	CDS product DNA packaging terminase subunit 1	76749-76762 4:01:01	GGTGAAGGCCAGG
76817	76834	71979	77065	CDS product DNA packaging terminase subunit 1	76817-76834 4:01:01	
GGGTCCACGGCGGCGCGG						
76913	76930	71979	77065	CDS product DNA packaging terminase subunit 1	76913-76930 5:02:01	
CCGACCGCCGGGACCACC						
76935	76958	71979	77065	CDS product DNA packaging terminase subunit 1	76935-76958 5:02:01	
GGTGGCACTGTGGGCGGCGATGG						
77070	77099	77064	77543	CDS product tegument protein UL14	77070-77099 5:02:01	
CCTCGGACCGCCGGGAGCGCCGCGTGCGCC						
77193	77225	77064	77543	CDS product tegument protein UL14	77193-77225 6:03:01	
GGGCCTTTATGGCGGCCAAACAGGCCCGGCGGG						
77244	77270	77064	77543	CDS product tegument protein UL14	77244-77270 5:02:01	GGCTGGCCGCCCGGTGGAGTCTGTGG
77293	77315	77064	77543	CDS product tegument protein UL14	77293-77315 4:01:01	GGCCCGCGTGAAGCCCAGGCGG
77307	77330	77064	77543	CDS product tegument protein UL14	77307-77330 4:01:01	CCCAGGCGGCCGTCCGCGGGGTCC
77324	77372	77064	77543	CDS product tegument protein UL14	77324-77372 9:06:02	
GGGGTCCTGGACAGGCACCGGCGGTTACGCGGGCGGACTTTGCGGAGG						
77401	77416	77064	77543	CDS product tegument protein UL14	77401-77416 4:01:01	GGCCGGCGAGGACCGG
77443	77462	77064	77543	CDS product tegument protein UL14	77443-77462 5:02:01	GGA CTGGGCCGCGGCGGGG
77473	77498	77064	77543	CDS product tegument protein UL14	77473-77498 7:04:01	GGACGAGGGGAGGAGCGGACGAGG
77514	77537	77064	77543	CDS product tegument protein UL14	77514-77537 7:04:01	GGCTGCTGGAGGAGCGGAGGAGG
77563	77575	77513	78709	CDS product tegument serine/threonine protein kinase	77563-77575 4:01:01	
CCGCCCATCCACC						

77600	77613	77513	78709	CDS product tegument serine/threonine protein kinase CCATCGCCGCCGCC	77600-77613 4:01:01
77614	77654	77513	78709	CDS product tegument serine/threonine protein kinase GGCGGCGACGGGGACGGGGACGAGGCCTCCCGGCTCCTGGG	77614-77654 7:04:01
77639	77656	77513	78709	CDS product tegument serine/threonine protein kinase CCTCCCGGCTCCTGGGCC	77639-77656 4:01:01
77675	77696	77513	78709	CDS product tegument serine/threonine protein kinase CCCCCTACCTGATCCCGCGCCC	77675-77696 5:02:01
77706	77725	77513	78709	CDS product tegument serine/threonine protein kinase CCTCGCCGTGCCGGACGACC	77706-77725 4:01:01
77763	77786	77513	78709	CDS product tegument serine/threonine protein kinase GGCCGTCGGGGCCGGATCGTACGG	77763-77786 4:01:01
77865	77878	77513	78709	CDS product tegument serine/threonine protein kinase GGCCGCGGAGGAGG	77865-77878 4:01:01
78201	78223	77513	78709	CDS product tegument serine/threonine protein kinase CCCGCGCTTCGCCTCGCGCGCC	78201-78223 4:01:01
78333	78356	77513	78709	CDS product tegument serine/threonine protein kinase CCCGCCGCCGCCGGCCCCCTGCC	78333-78356 7:04:01
78525	78546	77513	78709	CDS product tegument serine/threonine protein kinase CCCCTCCGCCGAGGCCCTCGCC	78525-78546 5:02:01
78561	78578	77513	78709	CDS product tegument serine/threonine protein kinase GGAGGAGCTGGCCGCCGG	78561-78578 4:01:01
78606	78623	77513	78709	CDS product tegument serine/threonine protein kinase	78606-78623 4:01:01

CCCCGGCAACCAGCCCCC					
78654	78680	77513	78709	CDS product tegument serine/threonine protein kinase	78654-78680 6:03:01
GGCCCCGTTCTGCGGCGAGGATGGCGG					
78717	78740	78675	80126	CDS product deoxyribonuclease	78717-78740 4:01:01 CCGCGCGCACCTTCCTGCGGTTCC
78763	78785	78675	80126	CDS product deoxyribonuclease	78763-78785 5:02:01 GGCCGGCGGCGGCGCGCCGCTGG
78832	78868	78675	80126	CDS product deoxyribonuclease	78832-78868 7:04:01
CCACGGCCTCGCCGCCCCGACGCGGCCGCGCGGCC					
78856	78876	78675	80126	CDS product deoxyribonuclease	78856-78876 5:02:01 GGCCGCGGCGGCCTTTGGCGG
78883	78898	78675	80126	CDS product deoxyribonuclease	78883-78898 4:01:01 CCCGCCGCCGCGCCC
78940	78950	78675	80126	CDS product deoxyribonuclease	78940-78950 4:01:01 GGTGGAGGCGG
79032	79053	78675	80126	CDS product deoxyribonuclease	79032-79053 4:01:01 CCGACGGCCCGCGCTTCCCGCC
79137	79189	78675	80126	CDS product deoxyribonuclease	79137-79189 9:06:02
CCCGCGCCCGCTCGCGGCCCTGTACGCCGAGGCGCCACGCCGGACCTGCCC					
79190	79235	78675	80126	CDS product deoxyribonuclease	79190-79235 9:06:02
GGGGCGATCGGGGCGGCGACGGGGCGGGGACGGGGCGAAGGAGG					
79265	79283	78675	80126	CDS product deoxyribonuclease	79265-79283 5:02:01 CCACCGCCGGGCCACGACC
79319	79349	78675	80126	CDS product deoxyribonuclease	79319-79349 5:02:01 GGCATGGTCGGGGCCTCGCTGGACCTGCTGG
79525	79545	78675	80126	CDS product deoxyribonuclease	79525-79545 4:01:01 CCTGTACTCCATCGCCCGGCC
79564	79598	78675	80126	CDS product deoxyribonuclease	79564-79598 6:03:01
GGGCGCCCCGGGCCCCGCGAGGCGCTGGCGACGG					
79611	79631	78675	80126	CDS product deoxyribonuclease	79611-79631 4:01:01 GGCGACGCGGGGCGCCGAGG
79626	79649	78675	80126	CDS product deoxyribonuclease	79626-79649 4:01:01 CCGAGGACGCCCCGCCGACGCGCC
79729	79745	78675	80126	CDS product deoxyribonuclease	79729-79745 4:01:01 GGTGGACGCGCGTCAGG

79861	79894	78675	80126	CDS product deoxyribonuclease	79861-79894 8:05:02
CCCCGACCGCCCCGCGCCCCACCTGGCCACC					
79906	79918	78675	80126	CDS product deoxyribonuclease	79906-79918 4:01:01 CCGCCGCGCCCC
79964	79984	78675	80126	CDS product deoxyribonuclease	79964-79984 5:02:01 CCGCCCGCCTGCGCCGTGCC
80020	80042	78675	80126	CDS product deoxyribonuclease	80020-80042 4:01:01 GGAGGCGTTCGAGGACCTGCGGG
80200	80230	80084	80275	CDS product myristylated tegument protein	80200-80230 5:02:01
CCCGGCCCCGTGCGCCCAAGGCCCCGTACC					
80873	80900	80754	81935	CDS product envelope glycoprotein M	80873-80900 6:03:01 CCGCCGGGCCGTGTCGCGCCTTGTC
80917	80957	80754	81935	CDS product envelope glycoprotein M	80917-80957 7:04:01
GGCTGCCCCGGGCGCGGTGGGCGATGCAGGCGGGACCAGG					
81202	81225	80754	81935	CDS product envelope glycoprotein M	81202-81225 5:02:01 CCAGGGCGGCCTCCGCCGTCTTCC
81272	81304	80754	81935	CDS product envelope glycoprotein M	81272-81304 7:04:01
CCCGACCACGGCCGCGCCAGGCCGACGCGCC					
81349	81378	80754	81935	CDS product envelope glycoprotein M	81349-81378 6:03:01
GGCGCAGCGGGGGGTGGCCGCCAGGGCGG					
81442	81462	80754	81935	CDS product envelope glycoprotein M	81442-81462 5:02:01 GGGTGATGTAGGCGGCGGCGG
81500	81516	80754	81935	CDS product envelope glycoprotein M	81500-81516 4:01:01 GGCTGGAGGGTCCAGG
81542	81566	80754	81935	CDS product envelope glycoprotein M	81542-81566 4:01:01 CCCCAGGGCGGCCACCGTCGACGCC
81595	81638	80754	81935	CDS product envelope glycoprotein M	81595-81638 9:06:02
CCAGCCGCGCGCCTCGCGCCGAGCACCACGGCCCCGCGACC					
82337	82350	81934	84465	CDS product DNA replication origin-binding helicase	82337-82350 4:01:01
CCGGCCCTACCGCC					
82643	82676	81934	84465	CDS product DNA replication origin-binding helicase	82643-82676 6:03:01

CCGCCGCTGCCTCGTGCTCCGGCACCTCGGGGCC					
82663	82751	81934	84465	CDS product DNA replication origin-binding helicase	82663-82751 17:14:04
GGCACCTCGGGGCCGAGGTCGCGGCGGGCGGCGGGAGGACGGCGGCGGCGACGGGAGCGAGGACGGCGCGGGCCGGG					
82769	82812	81934	84465	CDS product DNA replication origin-binding helicase	82769-82812 13:10:03
GGCGGCGGCGACGACGGCGGTGGAGGCGGCGGGGCGGCGGGG					
84466	84479	84462	86513	CDS product helicase-primase subunit	84466-84479 4:01:01 GGCCGCGGCGGGG
84508	84534	84462	86513	CDS product helicase-primase subunit	84508-84534 5:02:01
GGCCTGGACGGAGCCCGGCGCGCCGGG					
84610	84650	84462	86513	CDS product helicase-primase subunit	84610-84650 9:06:02
GGCGGCGCCGTGGACGGGCTCGGCGGCCGCGGTGGCCGCGG					
84668	84728	84462	86513	CDS product helicase-primase subunit	84668-84728 12:09:03
GGCACGGGGCGCTGGCGGACCCGGCGCTGTGGCGGGCGCGCACGGCGCGTCATGGCGG					
84729	84747	84462	86513	CDS product helicase-primase subunit	84729-84747 4:01:01 CCCTGCGCCGCGCCCTCCC
84820	84842	84462	86513	CDS product helicase-primase subunit	84820-84842 6:03:01 GGCGGGCGGCGGCGCGAAGAGG
84851	84885	84462	86513	CDS product helicase-primase subunit	84851-84885 8:05:02
GGGGAGGGCGGCGAGGAGGACGAGGACGAGGCCGG					
84990	85015	84462	86513	CDS product helicase-primase subunit	84990-85015 4:01:01
CCATGGCCGGCTGCGCCGCGCTCTCC					
85126	85157	84462	86513	CDS product helicase-primase subunit	85126-85157 6:03:01
GGTGCTGCGGCCCGGGCCGGCGCGTGCGG					
85275	85313	84462	86513	CDS product helicase-primase subunit	85275-85313 6:03:01
CCCCGCCGTCTTCGCTTCTGGGGCCGAGCTCGCCC					
85375	85407	84462	86513	CDS product helicase-primase subunit	85375-85407 7:04:01

GGTGGCCGCGCCGCGCCGAGGCGGTCCGCGG					
85425	85444	84462	86513	CDS product helicase-primase subunit	85425-85444 4:01:01 GGCTCACGGACGGGCTGTGG
85459	85483	84462	86513	CDS product helicase-primase subunit	85459-85483 5:02:01
CCGCGCCTTCCACGCCCTCGGGCCC					
85552	85582	84462	86513	CDS product helicase-primase subunit	85552-85582 5:02:01
CCCGTGCGCCCTCCGCGGGCCTGGCTGGCC					
85662	85691	84462	86513	CDS product helicase-primase subunit	85662-85691 4:01:01
GGGCGCGCGCGGTCAAGCCGGCGCTCGTGG					
85777	85802	84462	86513	CDS product helicase-primase subunit	85777-85802 6:03:01
GGCGGCCGCGCCGAGGCCGGCCTGG					
85782	85799	84462	86513	CDS product helicase-primase subunit	85782-85799 4:01:01 CCGCGGCCGAGGCCGGCC
85822	85845	84462	86513	CDS product helicase-primase subunit	85822-85845 4:01:01 GGACGGCTTCTGGGCGTGCTCGG
85858	85874	84462	86513	CDS product helicase-primase subunit	85858-85874 4:01:01 GGCCGCGCCGAGGCGG
85875	85891	84462	86513	CDS product helicase-primase subunit	85875-85891 5:02:01 CCGCCGCGCCGCGGCC
85915	85949	84462	86513	CDS product helicase-primase subunit	85915-85949 6:03:01
GGCCGCCGCGGCGCGGCACCTGGCCGACGCGGGG					
85998	86020	84462	86513	CDS product helicase-primase subunit	85998-86020 5:02:01 CCCTGGCCTGGTCCTGCCACGCC
86025	86051	84462	86513	CDS product helicase-primase subunit	86025-86051 5:02:01
GGCTGCGGCGGCGAGGGCCCCGCGG					
86086	86101	84462	86513	CDS product helicase-primase subunit	86086-86101 4:01:01 CCGCGCCGCAAGGCC
86125	86153	84462	86513	CDS product helicase-primase subunit	86125-86153 4:01:01
GGCCGTGAGGGCCGCGGACGCCGAGG					
86148	86167	84462	86513	CDS product helicase-primase subunit	86148-86167 4:01:01 CCGAGCCGCGCGCGCCGCC

86190	86212	84462	86513	CDS product helicase-primase subunit	86190-86212 4:01:01 CCTTCGCCTCGCGCCACGACCCC
86238	86251	84462	86513	CDS product helicase-primase subunit	86238-86251 4:01:01 CCCTCGCCCCCGCC
86350	86368	84462	86513	CDS product helicase-primase subunit	86350-86368 4:01:01 CCCCCGCTGATCCTGCCC
86451	86469	84462	86513	CDS product helicase-primase subunit	86451-86469 4:01:01 CCGGCACGCCCCGCCGCC
86740	86764	86679	87479	CDS product tegument protein UL7	86740-86764 4:01:01 GGACACGGCTCGGCCATCTCGGG
86888	86904	86679	87479	CDS product tegument protein UL7	86888-86904 4:01:01 GGGCGGGGCCCGGGGG
86914	86938	86679	87479	CDS product tegument protein UL7	86914-86938 4:01:01 GGCCTGGGCGATGGGGTAGTGGGG
87061	87074	86679	87479	CDS product tegument protein UL7	87061-87074 4:01:01 CCAGCCACCGGCC
87097	87107	86679	87479	CDS product tegument protein UL7	87097-87107 4:01:01 CCGCCTCCGCC
87159	87193	86679	87479	CDS product tegument protein UL7	87159-87193 6:03:01
GGGTCCTCGGGCGCACCAAGGCCAGGCGGTGCGG					
87232	87251	86679	87479	CDS product tegument protein UL7	87232-87251 4:01:01 CCTCGGCGCCGTGACCACC
87268	87299	86679	87479	CDS product tegument protein UL7	87268-87299 7:04:01
GGAAGCCTCCCCGGCGAGGCAGCGGCGGCGG					
87404	87435	86679	87479	CDS product tegument protein UL7	87404-87435 5:02:01
CCCGGGCACCTCGCGACCTCGCACACCAGCC					
87608	87633	87370	89301	CDS product capsid portal protein	87608-87633 5:02:01 GGCTGGTGATGAGGAAGCCGAGGTGG
87884	87906	87370	89301	CDS product capsid portal protein	87884-87906 5:02:01 GGCCGAGGTCCCGCGGCGGCTGG
87930	87972	87370	89301	CDS product capsid portal protein	87930-87972 8:05:02
CCCCCGCGGGGCCGGCGCGCGGTCCCGTCCGCGCCCGCC					
87936	87955	87370	89301	CDS product capsid portal protein	87936-87955 5:02:01 GGGGGGCCGGCGGCGCCGG
88045	88059	87370	89301	CDS product capsid portal protein	88045-88059 4:01:01 CCCCCGTTGTCCGCC
88131	88144	87370	89301	CDS product capsid portal protein	88131-88144 4:01:01 GGAGGTGCGGAAGG

88165	88188	87370	89301	CDS product capsid portal protein	88165-88188 4:01:01	CCGGCGCCGTGGTGCCCGAAGCCC
88316	88343	87370	89301	CDS product capsid portal protein	88316-88343 6:03:01	CCGCGGCCGAGCCCGCCGGTCTCTCGCC
88355	88377	87370	89301	CDS product capsid portal protein	88355-88377 4:01:01	CCACGGCGCCGGCCGGGTGCCCC
88536	88566	87370	89301	CDS product capsid portal protein	88536-88566 4:01:01	
CCAGAGCACCAGGCACTCCCCGCGCTCGCCC						
88673	88695	87370	89301	CDS product capsid portal protein	88673-88695 5:02:01	CCACCTCGTCCAGGCCCTGGCCC
88758	88772	87370	89301	CDS product capsid portal protein	88758-88772 4:01:01	CCGCCGCTTCCCCC
88781	88802	87370	89301	CDS product capsid portal protein	88781-88802 4:01:01	CCCGGCGCACCGGGACCACGCC
88937	88955	87370	89301	CDS product capsid portal protein	88937-88955 4:01:01	GGCGCTCGGCCACGGCGGG
88958	89000	87370	89301	CDS product capsid portal protein	88958-89000 7:04:01	
CCTCGTCGCCAAGCGCCGCGCCAGCGCCTCGGCGCCGAGGCC						
89018	89040	87370	89301	CDS product capsid portal protein	89018-89040 5:02:01	CCATCCAGTCCCGGGCCACGTCC
89097	89110	87370	89301	CDS product capsid portal protein	89097-89110 4:01:01	GGCGGCCTCGGTGG
89184	89208	87370	89301	CDS product capsid portal protein	89184-89208 5:02:01	GGTGCGCGCGTGCGGTGGATGAGG
89240	89258	87370	89301	CDS product capsid portal protein	89240-89258 5:02:01	CCTCCTCCGCGGCGCCGCC
89326	89346	89300	91804	CDS product helicase-primase helicase subunit	89326-89346 5:02:01	
CCGCGCGCCACCAACGCCACC						
89463	89494	89300	91804	CDS product helicase-primase helicase subunit	89463-89494 6:03:01	
GGCGGACAACCCGGTGGATATAGAGGCGCTGG						
89865	89899	89300	91804	CDS product helicase-primase helicase subunit	89865-89899 6:03:01	
GGAGCGGCTCACGGGCGCGCGGAGCACCTGG						
89961	89979	89300	91804	CDS product helicase-primase helicase subunit	89961-89979 4:01:01	
GGCCGGGCTGCTCGGGCGG						

90515	90537	89300	91804	CDS product helicase-primase helicase subunit	90515-90537 4:01:01
CCTTCGACCGGTACCGCGAGGCC					
90578	90597	89300	91804	CDS product helicase-primase helicase subunit	90578-90597 4:01:01
CCAACGCCGGCCGCATCACC					
90705	90727	89300	91804	CDS product helicase-primase helicase subunit	90705-90727 4:01:01
CCAGGTGGCCGTCACCACGCGCC					
90758	90781	89300	91804	CDS product helicase-primase helicase subunit	90758-90781 4:01:01
CCTTCGAGGCCTTCGCGCCGTCC					
90898	90940	89300	91804	CDS product helicase-primase helicase subunit	90898-90940 7:04:01
GGGCTGGCGCCCGAGCCGTCACGGCGCCTACCGGCGCCTGG					
90926	90945	89300	91804	CDS product helicase-primase helicase subunit	90926-90945 5:02:01
CCTACCGGCGCCTGGCCGCC					
91006	91026	89300	91804	CDS product helicase-primase helicase subunit	91006-91026 5:02:01
CCCGCCGCCCCCGCGGGCCCC					
91020	91042	89300	91804	CDS product helicase-primase helicase subunit	91020-91042 5:02:01
GGGCCCCGGGGGCGCGCCGGCGG					
91257	91295	89300	91804	CDS product helicase-primase helicase subunit	91257-91295 6:03:01
GGTGCGCGGGTGCGAGGTGTTTATGGGGGGCTGCGCGG					
91515	91537	89300	91804	CDS product helicase-primase helicase subunit	91515-91537 4:01:01
GGACGACCTGGAGCTGGACATGG					
91907	91933	91863	92300	CDS product nuclear protein UL4	91907-91933 5:02:01 GGCGGCTGGGCGCAGTCGGGCTGTGGG
92033	92077	91863	92300	CDS product nuclear protein UL4	92033-92077 8:05:02
GGGCCGGTGCTCACGGTCCTGGCCGTGGACGGGAGCCGGAGCGG					

92097	92121	91863	92300	CDS product nuclear protein UL4	92097-92121	5:02:01	GGACCTGGCCGGCGGCCCCGAGGG
92100	92116	91863	92300	CDS product nuclear protein UL4	92100-92116	4:01:01	CCTGGCCGGCGGCCCCC
92180	92201	91863	92300	CDS product nuclear protein UL4	92180-92201	4:01:01	GGGCCCCGGGGCGCCTGCTGG
92235	92254	91863	92300	CDS product nuclear protein UL4	92235-92254	4:01:01	CCATCACCGCGTACCGGCCC
92496	92507	92476	93150	CDS product protein V57	92496-92507	4:01:01	GGAGCGGGGGG
92516	92586	92476	93150	CDS product protein V57	92516-92586	14:11:03	
GGCCCCGGGACGGGGTCCGGGGCGCGGAGGGCGGCCGAGGGACGGCGCGCGGGCCGAGGCGTGG							
92597	92629	92476	93150	CDS product protein V57	92597-92629	6:03:01	GGCGGGTCTCGGCAGCTGGGGCGTCGGGGCGG
92660	92689	92476	93150	CDS product protein V57	92660-92689	5:02:01	GGGGCCGGGCAGCTGGACCGCCGGGGCGG
92678	92697	92476	93150	CDS product protein V57	92678-92697	4:01:01	CCGCCGGGCGGCCGTCGCC
92717	92734	92476	93150	CDS product protein V57	92717-92734	5:02:01	GGCGCGCGGGGTGCGG
92752	92769	92476	93150	CDS product protein V57	92752-92769	4:01:01	CCGCCCGGCCGTCGCC
92867	92920	92476	93150	CDS product protein V57	92867-92920	12:09:03	
GGTGGTGGTGGTGGGTAGGCTGGACGACGGTGGCGTAGACGGGGTCCGGCTCGG							
92948	92978	92476	93150	CDS product protein V57	92948-92978	5:02:01	GGGCGGTGCCAGGCCGCCGGCGCGCAGGGG
93036	93076	92476	93150	CDS product protein V57	93036-93076	9:06:02	
GGCGGAGACGCGCGGGAGGCCGCGCCAGGCGCCGGGCGG							
93056	93078	92476	93150	CDS product protein V57	93056-93078	4:01:01	CCGCGCCAGGCGCCGGGCGGCC
93087	93105	92476	93150	CDS product protein V57	93087-93105	4:01:01	GGCCTGCAGGAACCGGTGG
93249	93279	93147	93860	CDS product nuclear protein UL3	93249-93279	4:01:01	GGGCGCGCGGGGCTCGCGTGGGCGTCGGG
93363	93388	93147	93860	CDS product nuclear protein UL3	93363-93388	4:01:01	CCGCGCCGGGGCGCCGCGGGGCC
93410	93467	93147	93860	CDS product nuclear protein UL3	93410-93467	11:08:02	
GGACGTCTTGGTGCAGGCGACGGGAGGCCGCCAGGGCCGCGGCCAGGTCCCGGCGG							

93438	93462	93147	93860	CDS product nuclear protein UL3	93438-93462 5:02:01 CCGGCCAGGGCCGCGGCCAGGTCCC
93475	93493	93147	93860	CDS product nuclear protein UL3	93475-93493 4:01:01 CCGTCAGCCGCCGCGGCC
93558	93569	93147	93860	CDS product nuclear protein UL3	93558-93569 4:01:01 CCCGCCGCCGCC
93578	93664	93147	93860	CDS product nuclear protein UL3	93578-93664 16:13:04
CCCTTCGTCCCCCGTCTTCCTCGTCTCCGTCTCCTCTTCTCCGTGCGCTTCCCCTCCTCGCGTCTTCCACGTCCCCCTCTCC					
93674	93690	93147	93860	CDS product nuclear protein UL3	93674-93690 4:01:01 CCCGAGCACCCCCTCCC
93732	93748	93147	93860	CDS product nuclear protein UL3	93732-93748 4:01:01 GGGCGCGGCCCGGAGGG
93754	93774	93147	93860	CDS product nuclear protein UL3	93754-93774 6:03:01 CCTCCTCCACGGCCCACCCCC
93809	93832	93147	93860	CDS product nuclear protein UL3	93809-93832 4:01:01 GGCCGGGGCGCCGCGAGCGCGGG
93936	93960	93916	94866	CDS product uracil-DNA glycosylase	93936-93960 5:02:01 GGGGGCCCGGCCGTCTGGACGAGG
93985	94033	93916	94866	CDS product uracil-DNA glycosylase	93985-94033 8:05:02
GGGCAGGTCCTGAAGGGCGTGCGGGCCAGCGGCGACGGATGGCTGAAGG					
94046	94069	93916	94866	CDS product uracil-DNA glycosylase	94046-94069 5:02:01 GGCGGCGCGGGTCCGGCGCGCAGG
94238	94256	93916	94866	CDS product uracil-DNA glycosylase	94238-94256 4:01:01 CCCAGGCCCTCCAGGCAGCC
94242	94281	93916	94866	CDS product uracil-DNA glycosylase	94242-94281 6:03:01
GGCCTCCAGGCAGCCGTGGGCGGGCGGGCAGCGTCGGG					
94311	94331	93916	94866	CDS product uracil-DNA glycosylase	94311-94331 5:02:01 GGCCAGGCTCGGGGGGATCGG
94355	94379	93916	94866	CDS product uracil-DNA glycosylase	94355-94379 5:02:01 CCAGCCCGTGGGCCTGGCCCGGCC
94364	94395	93916	94866	CDS product uracil-DNA glycosylase	94364-94395 6:03:01
GGGCCTGGCCCGGCCGTGGTACGGGTCCTGG					
94406	94428	93916	94866	CDS product uracil-DNA glycosylase	94406-94428 4:01:01 CCACCTTGACGTCCTCGGGCGCC
94479	94504	93916	94866	CDS product uracil-DNA glycosylase	94479-94504 5:02:01 GGTCAGGCAGCGGCCGCGGTACTCGG
94602	94648	93916	94866	CDS product uracil-DNA glycosylase	94602-94648 9:06:02

GGGCGCCCCGGGTCGGGGGGCGGGCGGAGGCGTCGGCCCCGTGG					
94686	94729	93916	94866	CDS product uracil-DNA glycosylase	94686-94729 10:07:02
GGGCCGGGCGGCGGCGAGGGTCGGGCCGGCTTCGAGGCCCGG					
94761	94802	93916	94866	CDS product uracil-DNA glycosylase	94761-94802 10:07:02
GGCGGTGGCGGCTTAGAGGCAGAAGCGGCGGCGGCGGCAGG					
94821	94838	93916	94866	CDS product uracil-DNA glycosylase	94821-94838 4:01:01 GGGCGGCAGGCCGCAGGG
94902	94930	94844	95314	CDS product envelope glycoprotein L	94902-94930 6:03:01
CCACCTCTCCGAGCTCCTTCAGGGCCGCC					
94951	94994	94844	95314	CDS product envelope glycoprotein L	94951-94994 8:05:02
GGCCAGGGCCTGGATGGCGACAAAGGGTTGACCAGGTAGGCGG					
95154	95174	94844	95314	CDS product envelope glycoprotein L	95154-95174 4:01:01 CCCATTCCAGCTCCTCGCGCC
95175	95211	94844	95314	CDS product envelope glycoprotein L	95175-95211 7:04:01
GGGGAGCGCGGTGGGGGGCGGGCGGTGACCGGCGG					
95243	95278	94844	95314	CDS product envelope glycoprotein L	95243-95278 7:04:01
CCCGCGACGCCGGTGCCAGGAACCCCCAGCGCCGCC					
96146	96219	96112	109118	misc_RNA product large latency transcript	96146-96219 14:11:03
CCATCTCGCCAGCCAGCCAACCAGCCGAGCCGCCAGCCGACCCGAGAGCCCCGAGAGCCAGACTCCCTCAGCC					
97208	97231	96481	97584	CDS product ubiquitin E3 ligase ICPO	97208-97231 4:01:01 CCGTCGAGACCTGCCCATAAAGCC
97266	97296	96481	97584	CDS product ubiquitin E3 ligase ICPO	97266-97296 6:03:01
CCCAGACCCGGAGCCCTGCCCTTCGGCCTCC					
97327	97373	96481	97584	CDS product ubiquitin E3 ligase ICPO	97327-97373 8:05:02
CCCCAGATGACCGGAAGCCCCCCCCTACCGGCTCATCCTCTTCCCC					
97382	97395	96481	97584	CDS product ubiquitin E3 ligase ICPO	97382-97395 4:01:01 CCGTCGCCCCCTCC

97433	97456	96481	97584	CDS product ubiquitin E3 ligase ICP0	97433-97456	6:03:01	GGTGGAGGATGGAGGTGACGCGGG
103175	103207	103171	107511	CDS product transcriptional regulator ICP4	103175-103207	5:02:01	
				GGAGCAGCAGGTAGGGTTGCCGGCGTCCTCGG			
103195	103236	103171	107511	CDS product transcriptional regulator ICP4	103195-103236	8:05:02	
				CCGGCGTCCTCGGCCTCCTCGTCGTCGAGATGGCCTCCACC			
103242	103266	103171	107511	CDS product transcriptional regulator ICP4	103242-103266	4:01:01	
				GGGCCCCGAGCGGGCCGCGGGGCGGG			
103245	103286	103171	107511	CDS product transcriptional regulator ICP4	103245-103286	7:04:01	
				CCCAGCGGGCCGCGGGGCCGGCGTCGCCGCCGCGGACGCC			
103295	103351	103171	107511	CDS product transcriptional regulator ICP4	103295-103351	10:07:02	
				CCACAGAGTCCCCGTCTCGCCGGGGCCGGCCCCGGCGCCGAGCCCCCGCGGGCC			
103317	103405	103171	107511	CDS product transcriptional regulator ICP4	103317-103405	15:12:03	
				GGGGCCGGCCCCGGCGCCCGAGGCCCCCGGGGCCGGTGGGTCTCCACGGCGCCCCGGCGGGCGCGGACGCTGGTCTCGAAGGGGG			
103422	103459	103171	107511	CDS product transcriptional regulator ICP4	103422-103459	7:04:01	
				GGCCGGCGGGGCGCCCGCGGCGGCGACGGCGCCCGGGG			
103471	103490	103171	107511	CDS product transcriptional regulator ICP4	103471-103490	4:01:01	
				GGGGCGGCCTCGGCGTCGGG			
103527	103579	103171	107511	CDS product transcriptional regulator ICP4	103527-103579	10:07:02	
				GGCCGGCAGGCCCTCGGGCCGCGGAGCTCGGCGAGGCCCCGGCGGCCGAGG			
103697	103716	103171	107511	CDS product transcriptional regulator ICP4	103697-103716	4:01:01	
				CCATGTCCTTGCAGCCGTCC			
103736	103786	103171	107511	CDS product transcriptional regulator ICP4	103736-103786	10:07:02	
				GGCGGTAGGCGCGCGGCGGCAGCGGGACCGGGTCCGGGGCCCGCGCGGG			

103814	103864	103171	107511	CDS product transcriptional regulator ICP4 GGCGGCAGAGGCGCAGCGGCTCGGCCCGGGGTGCAGGCGGGCGAAGGAGG	103814-103864	10:07:02
103917	103943	103171	107511	CDS product transcriptional regulator ICP4 GGCCGCGCGGAGCTCGCGGCACCCGGG	103917-103943	4:01:01
103953	103986	103171	107511	CDS product transcriptional regulator ICP4 GGCGCACTGGGCGGCCGGGTCCAGGCGGACGCGG	103953-103986	7:04:01
104003	104034	103171	107511	CDS product transcriptional regulator ICP4 CCCCACGGCCGGGCGGTCCGCGGGCCAGTCC	104003-104034	7:04:01
104058	104080	103171	107511	CDS product transcriptional regulator ICP4 CCGGCGCCGCGCCGCGCCGAGCC	104058-104080	5:02:01
104096	104127	103171	107511	CDS product transcriptional regulator ICP4 CCACGGCGCCGCGGAAGCCGAGGTCCCGCGCC	104096-104127	5:02:01
104175	104194	103171	107511	CDS product transcriptional regulator ICP4 CCCGGTCCAGTTCCCGGCC	104175-104194	4:01:01
104219	104236	103171	107511	CDS product transcriptional regulator ICP4 GGCGGTGGGCGAAGGCGG	104219-104236	5:02:01
104252	104305	103171	107511	CDS product transcriptional regulator ICP4 GGCCGCCGCGGCGGGTCCCAGGCCGGGCGGGGCGCCCTCGGCGGGCTCGG	104252-104305	9:06:02
104385	104422	103171	107511	CDS product transcriptional regulator ICP4 GGCGGCGCGGCGGCGAGCGGGGCGCCGCGGCGCGCGG	104385-104422	8:05:02
104435	104452	103171	107511	CDS product transcriptional regulator ICP4 GGGCGGCCGGGTCTGAAGG	104435-104452	4:01:01
104489	104586	103171	107511	CDS product transcriptional regulator ICP4	104489-104586	16:13:04

GGTCCACGAGGGCGCGGGCCACCTCGGGCGGGCAGTAGGCGGCGAGGGCCGCTCGGAGGGCCGCGGCGTGTGGGTCTCGCCGGCCGGGACGCGGCGG

104598 104643 103171 107511 CDS product transcriptional regulator ICP4 104598-104643 7:04:01
GGGCGCGGGTGCTCGGGCATGGGCCGAGCGGGCGCCGAGCCGG

104652 104671 103171 107511 CDS product transcriptional regulator ICP4 104652-104671 7:04:01
GGAGGAGGAGGAGGAGGAGG

104682 104702 103171 107511 CDS product transcriptional regulator ICP4 104682-104702 4:01:01
GGGAGCGGGGTCCGGAGCGGG

104730 104745 103171 107511 CDS product transcriptional regulator ICP4 104730-104745 4:01:01 CCGGGCCCCCGGTCC

104786 104822 103171 107511 CDS product transcriptional regulator ICP4 104786-104822 7:04:01
CCGCGCCGAGAGCCCCTCGTCCTCCTCGCCGTCCC

104823 104847 103171 107511 CDS product transcriptional regulator ICP4 104823-104847 5:02:01
GGGGCGGCGGGCCCCGGGCGCGCGG

104868 105016 103171 107511 CDS product transcriptional regulator ICP4 104868-105016 30:27:07
GGGCGCTGGGTCCGGGCCGGCGGGGGAGCTGGCGTAGCCGAGGAGCCGGAGAGGCCGGACTTGGTGCTGGAGCTGGACTTGGTGCTGGAGCTGGACTTGGTGCTGGCGGGGCTGGAGGGCCCGG
AGCCGGGGAGGCCGGAGGGGG

105019 105036 103171 107511 CDS product transcriptional regulator ICP4 105019-105036 5:02:01
CCCGCCCGCCGGCGCC

105031 105202 103171 107511 CDS product transcriptional regulator ICP4 105031-105202 27:24:06
GGCGCCGCGCTGGGACGACGAGGCCGGGTGCTCGGGCCAGAGCGGGGCAGGCCGGGCGGGGCTCCGCGGGCCGGCGCGGCGGCCCTCGGCGAGCCGGGCCGGGCCACGTTGCCGGGGC
GAAGAGGGCCGCGGCGTAGGTCCAGGCGGCCTCGCGGGCGCGGG

105132 105153 103171 107511 CDS product transcriptional regulator ICP4 105132-105153 4:01:01
CCGGGCCGCGGCCACGTTGGCC

105229 105253 103171 107511 CDS product transcriptional regulator ICP4 105229-105253 4:01:01

GGCGCCACGGTGCGGGCGACGAGGG		
105263 105296 103171 107511 CDS product transcriptional regulator ICP4	105263-105296	7:04:01
CCGCGGCCTGCCGCCGCTCGGCCGGGCCGGCCCC		
105282 105300 103171 107511 CDS product transcriptional regulator ICP4	105282-105300	4:01:01
GGCCGGGCCGGCCCCGGGG		
105344 105445 103171 107511 CDS product transcriptional regulator ICP4	105344-105445	18:15:04
GGCAGGCGGGCCCGAGGGCGGCCGGGGCGCGGGCGGGCAGCCGAGCGGGCAGGGCAGCAGGCGCTCGAGGACGCCGGCAGGCCAGGACGCAGG		
105461 105526 103171 107511 CDS product transcriptional regulator ICP4	105461-105526	11:08:02
GGGGCACGCGGCCGGGCTGCGCGCGGCGAAGGCGGCGGACGCGGGCGCAGAGGGCCTCGACGG		
105537 105619 103171 107511 CDS product transcriptional regulator ICP4	105537-105619	15:12:03
GGCGCGGGGGTCCGCGCGCGGCCCGGTAGGCCATGTGCGCGTAGGCCCCGGCGGAGGCTCTGCAGGATGAAGGTCTTCTGGG		
105632 105649 103171 107511 CDS product transcriptional regulator ICP4	105632-105649	4:01:01
GGCGGCTCATGGCCACGG		
105679 105697 103171 107511 CDS product transcriptional regulator ICP4	105679-105697	4:01:01
GGGTCCTGGGCGGCCATGG		
105735 105789 103171 107511 CDS product transcriptional regulator ICP4	105735-105789	8:05:02
GGTGATGAAGGAGCCGTGGCCGTGGGGCGCGTGGACCCGGCGCTGGCAGAACTGG		
105834 105853 103171 107511 CDS product transcriptional regulator ICP4	105834-105853	4:01:01
GGACATGGCCTCGCCGGCGG		
105894 105912 103171 107511 CDS product transcriptional regulator ICP4	105894-105912	4:01:01
CCTCGAGTCCCCATCTCC		
105924 105969 103171 107511 CDS product transcriptional regulator ICP4	105924-105969	9:06:02
GGGCACGGGCCCGGCCGCGCGGTAGCGGGCCGCGCCTGGCGG		

106022	106061	103171	107511	CDS product transcriptional regulator ICP4	106022-106061	8:05:02	
GGACGCGCCGTCGGCCGAGGGTCGGAGCCGGCCAGGG							
106084	106111	103171	107511	CDS product transcriptional regulator ICP4	106084-106111	6:03:01	
GGCCCGTCGGTCGGCGGGGCCCCGTCGG							
106124	106143	103171	107511	CDS product transcriptional regulator ICP4	106124-106143	5:02:01	
GGTGGTTGTTGGTGGAGCGG							
106156	106296	103171	107511	CDS product transcriptional regulator ICP4	106156-106296	30:27:07	
GGGGCCGGGCGGGTCCGGGGCCGGGGCCGGGAGGCCGCGGAGGAGGCGGAGGAGCCGAGGGCCGCGGGCCGCGGGCGCCGCGGAGACGGTGGCGGCCCGGCGGGCGAGTGG							
GGCGCCGGGCGCGG							
106172	106194	103171	107511	CDS product transcriptional regulator ICP4	106172-106194	4:01:01	
CCGGGGCCGGGGCCGGGAGGCC							
106320	106378	103171	107511	CDS product transcriptional regulator ICP4	106320-106378	14:11:03	
GGAGGAGGACGAGGACGAGGAGGACGAGGAGGACGAGGAGGACGAGGACGAGGAGGAGG							
106392	106440	103171	107511	CDS product transcriptional regulator ICP4	106392-106440	12:09:03	
GGCGGCGGCGGGGCCCCGGGGGCGGAGGGCGAGCGGGCCGGGAGAGG							
106481	106495	103171	107511	CDS product transcriptional regulator ICP4	106481-106495	4:01:01	GGCCGCGGCGGAGGG
106506	106523	103171	107511	CDS product transcriptional regulator ICP4	106506-106523	4:01:01	
GGCGGCGCGCGGCGGGG							
106541	106578	103171	107511	CDS product transcriptional regulator ICP4	106541-106578	7:04:01	
CCCCCGCGTCCCCGGCGAGGCCGAGTCCGTCCTCGTCC							
106584	106666	103171	107511	CDS product transcriptional regulator ICP4	106584-106666	15:12:03	
GGGGCCGCGGGCGACGGTCTCGACGGCGACGGTGGTGGTGGAGTTGGAGTTGGAGTTGGGGTTGGAGGAGACGGGGCTCCGGG							
106718	106740	103171	107511	CDS product transcriptional regulator ICP4	106718-106740	4:01:01	

GGGGCTCGCGGTGCTGGTGATGG		
106761 106771 103171 107511 CDS product transcriptional regulator ICP4	106761-106771	4:01:01 GGCGGAGGGGG
106774 106802 103171 107511 CDS product transcriptional regulator ICP4	106774-106802	7:04:01
CCGCCGCCGCCGGGCGCGAGACCGGCC		
106798 106829 103171 107511 CDS product transcriptional regulator ICP4	106798-106829	8:05:02
GGCCCCGGCGGGGGAGGCTGGGGAAGCGGG		
106830 106842 103171 107511 CDS product transcriptional regulator ICP4	106830-106842	4:01:01 CCCCCCGCGTGCC
106864 106892 103171 107511 CDS product transcriptional regulator ICP4	106864-106892	5:02:01
GGCTGTGCTGGTGGCGCCGGGTCCGAGG		
106880 106930 103171 107511 CDS product transcriptional regulator ICP4	106880-106930	10:07:02
CCGGGGTCCGAGGCCGCGCGCCGGCCGGGCTCACCGACCGGTCCCCC		
106951 107008 103171 107511 CDS product transcriptional regulator ICP4	106951-107008	12:09:03
GGGGCTGCCGAGGGCCGGGAGAGCCGAGGAGGAGCCGGGAGGCTGCGGAGGGGG		
107016 107046 103171 107511 CDS product transcriptional regulator ICP4	107016-107046	6:03:01
CCCGGGCCGCCGGGGGCCCGGCTCTGCC		
107019 107038 103171 107511 CDS product transcriptional regulator ICP4	107019-107038	4:01:01
GGGGCCGCCGGGGGCCCGG		
107062 107115 103171 107511 CDS product transcriptional regulator ICP4	107062-107115	10:07:02
GGGGTCGGCGCCGGGGCCCGGAGCCGGCCGGGACCGGGCCCGAGGACGAGG		
107073 107105 103171 107511 CDS product transcriptional regulator ICP4	107073-107105	6:03:01
CCGGGGCCCGGAGCCGGCCGGGACCGGGGCC		
107144 107174 103171 107511 CDS product transcriptional regulator ICP4	107144-107174	5:02:01
CCCGACCGGGGACCCGGCGCGGGGACCC		

107151	107177	103171	107511	CDS	product	transcriptional regulator ICP4	107151-107177	6:03:01
GGGGGACCCGGCGCCGGGACCCGGG								
107252	107358	103171	107511	CDS	product	transcriptional regulator ICP4	107252-107358	18:15:04
GGGCCGAAGGAGGACGGGGCGCCTCGTGGCTCCGGCCGCGCCGCGAGGACGGCGCCTCGGCCTCGGCGGCGTCGTCGGAGAAGAGGCCGCCGGCCGAAGAGG								
107363	107414	103171	107511	CDS	product	transcriptional regulator ICP4	107363-107414	8:05:02
CCTCGCCGGAGGAGCCGCGGCGCCGGGAGCCCTGGCTGCCGCCGTCGGGGCC								
107370	107397	103171	107511	CDS	product	transcriptional regulator ICP4	107370-107397	5:02:01
GGAGGAGCCGCGGCGCCGGGAGCCCTGG								
107436	107463	103171	107511	CDS	product	transcriptional regulator ICP4	107436-107463	6:03:01
GGCCGCGGCGGCGCCGCCAGGAGCTGG								
107938	107957	96112	109118	misc_RNA	product	large latency transcript	107938-107957	4:01:01
GGCGGCCCGCGCCAATGGG								
107996	108024	96112	109118	misc_RNA	product	large latency transcript	107996-108024	5:02:01
CCCGCCCCCGCGGCGGCATCTTGCCCC								
108081	108117	96112	109118	misc_RNA	product	large latency transcript	108081-108117	5:02:01
CCGCCCCGAGGGCGCATCTTGCCCCCTGACGGCC								
108163	108180	96112	109118	misc_RNA	product	large latency transcript	108163-108180	4:01:01
CCGGCCCCCGCGGCGGCC								
108165	108215	96112	109118	misc_RNA	product	large latency transcript	108165-108215	8:05:02
GGCCCCCGCGGCGGCATCTCGGCTCGCCCGGGCCAATGGGCGCGGAGG								
108414	108444	96112	109118	misc_RNA	product	large latency transcript	108414-108444	5:02:01
CCCCACGTGGCGCCCTCGGCCAATGGGGCC								
108692	108706	96112	109118	misc_RNA	product	large latency transcript	108692-108706	5:02:01

CCGCCTCCCCCTGCC							
108717	108801	96112	109118	misc_RNA	product large latency transcript	108717-108801	16:13:04
CCCCGAGACCCCGTTTCCCCCTCCTCGAGACCCCTGAGACCCCGAGACCCTCCCGCGACCCCGCGGTCGCCCCACCCGCGCC							
108857	108894	96112	109118	misc_RNA	product large latency transcript	108857-108894	7:04:01
CCGCCGTCGGACCGGGGACCGGCGACCGGACCCGAACC							
108865	108885	96112	109118	misc_RNA	product large latency transcript	108865-108885	4:01:01
GGACCGGGGACCGGCGACCGG							
108920	108956	96112	109118	misc_RNA	product large latency transcript	108920-108956	7:04:01
CCGGACCCGAACCTCGAGCCCGGACCCGCGCCGGACCC							
108951	108972	96112	109118	misc_RNA	product large latency transcript	108951-108972	5:02:01
GGACCCGGAAGGAAGGAGCCGG							
109000	109028	96112	109118	misc_RNA	product large latency transcript	109000-109028	8:05:02
CCCACCCACCCCTCCTCTCCCCACCCC							
109042	109062	96112	109118	misc_RNA	product large latency transcript	109042-109062	5:02:01
CCCGGTCCCCCTCCCACCCC							
115996	116017	115995	117089	CDS	product regulatory protein ICP22	115996-116017	4:01:01
GGACCGGGTCTGGGCCGACTGG							
116024	116088	115995	117089	CDS	product regulatory protein ICP22	116024-116088	11:08:02
CCCGTGCCCTCCCCGCCGTTCTCGCCCGTCGACCCGCCCGGGCCCCGCCCACGACCCCGGTCCC							
116098	116131	115995	117089	CDS	product regulatory protein ICP22	116098-116131	9:06:02
CCCCCGTCCCCCGCTCGACCCACGCCCCC							
116171	116185	115995	117089	CDS	product regulatory protein ICP22	116171-116185	4:01:01 CCCCCGCCCGACCCC
116380	116398	115995	117089	CDS	product regulatory protein ICP22	116380-116398	4:01:01 CCAGCGCCCCTCGGCCCCC

116488	116508	115995	117089	CDS product regulatory protein ICP22	116488-116508	4:01:01
CCCGCGCTCCTCTCCCGCC						
116603	116687	115995	117089	CDS product regulatory protein ICP22	116603-116687	15:12:03
GGCTCGGTGTGCGAGGACGACGGGAGGACGAGGACGAAGAGGAAGACGGGAGGAGGAAGACGAGGACGAGGAGGGGAAGAGG						
116698	116732	115995	117089	CDS product regulatory protein ICP22	116698-116732	7:04:01
GGAGGAAGAGGAAGGGACGAGGACGGGAGACGG						
116743	116786	115995	117089	CDS product regulatory protein ICP22	116743-116786	9:06:02
GGAGGACGACGAGGCCGAGGACGAGGAGGACGAGGAGGACGGG						
116839	116888	115995	117089	CDS product regulatory protein ICP22	116839-116888	10:07:02
GGACGGCTCGGACGGAGAGGGCTCGGGCTCGGACGACGGCGGGGACGGG						
116920	116988	115995	117089	CDS product regulatory protein ICP22	116920-116988	13:10:03
GGACGAGGACGATGGAGAGGACGAGGAGGACGAGGAAGGGAGGACGGGGGGAAGACGGCGAAGACGG						
117011	117035	115995	117089	CDS product regulatory protein ICP22	117011-117035	6:03:01
GGAGAGGGCGAGGAGGGCGGAAGG						
117060	117084	115995	117089	CDS product regulatory protein ICP22	117060-117084	5:02:01
CCCCGACGCGGCCCGCCGCCGCC						
118439	118463	118332	119336	CDS product serine/threonine protein kinase US3	118439-118463	5:02:01
GGGGGCTGACGCGGCAGGCCCGG						
118537	118581	118332	119336	CDS product serine/threonine protein kinase US3	118537-118581	9:06:02
GGCCCCCGGCCGGGCGAGGCGGACACGGTGGTGCTGAAGGTGGG						
118935	118960	118332	119336	CDS product serine/threonine protein kinase US3	118935-118960	5:02:01
CCGGGACCATCGAGACCAACGCCCC						
119004	119018	118332	119336	CDS product serine/threonine protein kinase US3	119004-119018	4:01:01

GGGGCGGGGGTGG						
119092	119114	118332	119336	CDS product serine/threonine protein kinase US3	119092-119114	4:01:01
CCTGATCGACCTCATCCGCGCCC						
119170	119196	118332	119336	CDS product serine/threonine protein kinase US3	119170-119196	6:03:01
CCGGTACGCCGGGACCCACGCCAGCC						
119279	119296	118332	119336	CDS product serine/threonine protein kinase US3	119279-119296	5:02:01
CCCGTCCGCCGCCCTTCC						
119415	119465	119396	120892	CDS product envelope glycoprotein G	119415-119465	7:04:01
CCTCGCCCTCGGGCTCCTCGTGGTCCGCACCGTCGTGGCCAGAGAGGCCCC						
119484	119568	119396	120892	CDS product envelope glycoprotein G	119484-119568	15:12:03
CCACCCCGTCCACGACGACCGGCGGCGCCGTCGGGCGCGACCGACGCCAGCCCGTGAACCCGCTCGCCCCGCCAACGCCACC						
119601	119615	119396	120892	CDS product envelope glycoprotein G	119601-119615	4:01:01 CCTCCTGGATCCGCC
119724	119745	119396	120892	CDS product envelope glycoprotein G	119724-119745	4:01:01 CCCCAGGGACGCCATGCCCTCC
119894	119914	119396	120892	CDS product envelope glycoprotein G	119894-119914	4:01:01 CCTACCTCGGCACCGTCTCCC
119919	119935	119396	120892	CDS product envelope glycoprotein G	119919-119935	4:01:01 GGTGGAGGCCAACCTGG
119972	120022	119396	120892	CDS product envelope glycoprotein G	119972-120022	11:08:02
CCCGCCCCGGGGCCACCCTCCCACCCATCGCCCCACGGCCGGCGACCACC						
120173	120186	119396	120892	CDS product envelope glycoprotein G	120173-120186	4:01:01 CCCCCGAGGCCCCC
120180	120214	119396	120892	CDS product envelope glycoprotein G	120180-120214	7:04:01
GGCCCCGAGGGCGAGGAGGTGACCGAGGAGGAGG						
120215	120235	119396	120892	CDS product envelope glycoprotein G	120215-120235	4:01:01 CCGAGCTGACCTCCAGCGACC
120400	120436	119396	120892	CDS product envelope glycoprotein G	120400-120436	10:07:02
CCGCCTCCACCACCCCGCGCCCCACCCGCGCGGCC						

120447	120466	119396	120892	CDS product envelope glycoprotein G	120447-120466	4:01:01	CCATGACCACGGTCACCACC
120498	120519	119396	120892	CDS product envelope glycoprotein G	120498-120519	5:02:01	CCGACTGCCGCCGAGCCGACC
120548	120583	119396	120892	CDS product envelope glycoprotein G	120548-120583	7:04:01	
				CCCCACCGGCAGCCCCGCCCTGCTCCTGGGCTTCC			
120599	120624	119396	120892	CDS product envelope glycoprotein G	120599-120624	5:02:01	
				CCTCGCGCCCCCTGCACCTGACGGCC			
120666	120694	119396	120892	CDS product envelope glycoprotein G	120666-120694	6:03:01	
				CCGCCACATCCGCTCCCTCGGCGGCCTCC			
120710	120745	119396	120892	CDS product envelope glycoprotein G	120710-120745	8:05:02	
				CCGAGACCACCAACACCACCACCCAGACGGGCC			
120845	120866	119396	120892	CDS product envelope glycoprotein G	120845-120866	4:01:01	GGGCCCCGGGCCCGGAACGACGG
121094	121112	121075	122277	CDS product envelope glycoprotein D	121094-121112	4:01:01	GGCGGCGCTGGTCGCCCGG
121138	121181	121075	122277	CDS product envelope glycoprotein D	121138-121181	9:06:02	
				CCGTGCCCCGCGCCGACCTTCCCCCGCCCGGTACCCGTACACC			
121322	121340	121075	122277	CDS product envelope glycoprotein D	121322-121340	5:02:01	GGCGGTGGCCCACCGGCGG
121330	121371	121075	122277	CDS product envelope glycoprotein D	121330-121371	7:04:01	
				CCCACCGCGGCCACGTACCGCGCCACGTGGCCTGGTACC			
121451	121468	121075	122277	CDS product envelope glycoprotein D	121451-121468	4:01:01	CCGGCGCCGCACCACGCC
121532	121547	121075	122277	CDS product envelope glycoprotein D	121532-121547	4:01:01	GGTGGCTCCGGGGCGG
121559	121580	121075	122277	CDS product envelope glycoprotein D	121559-121580	4:01:01	CCAGTACCGGCGCTGGTGTCC
121640	121665	121075	122277	CDS product envelope glycoprotein D	121640-121665	4:01:01	
				CCCGTTGCCCCGCGTGGACCAGCACC			
121733	121764	121075	122277	CDS product envelope glycoprotein D	121733-121764	6:03:01	

CCTGACGCCGTTCTACCAGCAGCCCCGACACC						
121799	121859	121075	122277	CDS product envelope glycoprotein D	121799–121859	10:07:02
CCGGACGCTCCCGCGGGCCTACGCCGCCACGCCGTACGCCATCGACCCCGCGGCCCC						
121872	121957	121075	122277	CDS product envelope glycoprotein D	121872–121957	16:13:04
CCGAGGCCAGGCCCCGGCCCCGGCCCCGAGCCCAGCCCCGGTGACGCCCGCCCCCGCCGCTGCCCCGAGCC						
121876	121901	121075	122277	CDS product envelope glycoprotein D	121876–121901	5:02:01
GGCCCAGGCCCCGGCCCCGGCCCCGG						
121970	122054	121075	122277	CDS product envelope glycoprotein D	121970–122054	16:13:04
CCACGCCGCCGGGGCCACCCACGCCGCGACCCCGAGGCCGAGACGCCGACCGCCCCCTCGCCCCCGGGCGTCGTGCCC						
122064	122107	121075	122277	CDS product envelope glycoprotein D	122064–122107	9:06:02
CCGCAGCCCGCGGAGCCGTTCCAGCCGCGGACCCCGCCGCGCC						
122341	122376	122298	123398	CDS product envelope glycoprotein I	122341–122376	8:05:02
CCTCCTCGCCGCCCTGACCCTGGCCGCCCTGACCCC						
122427	122449	122298	123398	CDS product envelope glycoprotein I	122427–122449	4:01:01 CCGGCAGCGCCGTCCCTCGTGCCC
122593	122624	122298	123398	CDS product envelope glycoprotein I	122593–122624	6:03:01
CCTCTGCCCCGCGTGACACAGAGGCCTTCC						
122674	122689	122298	123398	CDS product envelope glycoprotein I	122674–122689	4:01:01 GGTGGAGGCGCGCCGG
122806	122830	122298	123398	CDS product envelope glycoprotein I	122806–122830	6:03:01
CCCCCACCACCCACGCCGTGCTCC						
122887	122992	122298	123398	CDS product envelope glycoprotein I	122887–122992	20:17:05
CCCCGCCGAGGACCGGTGTTACACGCCGCCCGGATCGAGCCAGAGCCGCCGACGACCCCGCGCCCCCGGGGGACCGGCGCCACCCCGAGCCCCGCTCC						
123001	123029	122298	123398	CDS product envelope glycoprotein I	123001–123029	7:04:01
GGAGGAGGACGAGGAGGGGGCGACGACGG						

123103	123124	122298	123398	CDS product envelope glycoprotein I	123103-123124	5:02:01	CCTGCTCGCCGCCGCAACGCC
123127	123148	122298	123398	CDS product envelope glycoprotein I	123127-123148	4:01:01	GGCGGGCGCCCGGGCCCCGGG
123559	123629	123502	125235	CDS product envelope glycoprotein E	123559-123629	12:09:03	
CCACCGAGGCCCCGAGCCTCTCCGCCGAGACGACCCCGGGCCCCGTCACCGAGGTCCCAGTCCCTCGGCC							
123641	123656	123502	125235	CDS product envelope glycoprotein E	123641-123656	4:01:01	CCTCTCCACCGAGGCC
123733	123756	123502	125235	CDS product envelope glycoprotein E	123733-123756	4:01:01	GGGAGGCACCCCGGCCCATCTGG
123798	123827	123502	125235	CDS product envelope glycoprotein E	123798-123827	6:03:01	
GGCGACGGCGCCGTGGTGCCGGGATCTGG							
123886	123903	123502	125235	CDS product envelope glycoprotein E	123886-123903	5:02:01	CCGCCTGCCACCCGGACC
123914	123937	123502	125235	CDS product envelope glycoprotein E	123914-123937	4:01:01	CCGCGCTGCGTCCCCGAGGCCCC
123932	123952	123502	125235	CDS product envelope glycoprotein E	123932-123952	4:01:01	GGCCCCGAGCGGGGCATCGG
123959	123984	123502	125235	CDS product envelope glycoprotein E	123959-123984	5:02:01	
CCTGCCGCCGAGGTGCCGCGGCTCC							
124023	124052	123502	125235	CDS product envelope glycoprotein E	124023-124052	6:03:01	
CCGCACCTGACCGTCCGGCGGGCCACGCCC							
124112	124127	123502	125235	CDS product envelope glycoprotein E	124112-124127	4:01:01	GGCGGTGGGCGACCGG
124124	124179	123502	125235	CDS product envelope glycoprotein E	124124-124179	9:06:02	
CCGGCCGCCCGCGCCGCTGGCCCCGGTGGGCCCCGCGGCCACGAGCCCCGCTTCC							
124355	124393	123502	125235	CDS product envelope glycoprotein E	124355-124393	6:03:01	
CCACCCGCGCGCCCCGAGTGCCTGCGCCCGGTGGACCC							
124486	124505	123502	125235	CDS product envelope glycoprotein E	124486-124505	4:01:01	CCGCCTGCCCTTCGACGCC
124570	124592	123502	125235	CDS product envelope glycoprotein E	124570-124592	4:01:01	CCCACAACGGCCACGTCGCCACC
124634	124672	123502	125235	CDS product envelope glycoprotein E	124634-124672	6:03:01	

GGTCATCAAGGAGCTGACGGCCCCGGCCGGCCCCGGG		
124654 124688 123502 125235 CDS product envelope glycoprotein E	124654-124688	5:02:01
CCCCGGCCCCGGCCCCGGGCACCCCGTGGGGCCCC		
124681 124696 123502 125235 CDS product envelope glycoprotein E	124681-124696	4:01:01 GGGGCCCCGGCGGCGG
124731 124767 123502 125235 CDS product envelope glycoprotein E	124731-124767	6:03:01
CCGGCGCCCGCCGCGCCCCGTGGAACCCGTACGGCC		
124861 124897 123502 125235 CDS product envelope glycoprotein E	124861-124897	7:04:01
CCCCGCCCGGGCGGCTCGCGGCCGTTCCGGTGCC		
124870 124893 123502 125235 CDS product envelope glycoprotein E	124870-124893	4:01:01 GGGCGGCCTCGCGGCCGTTCCGGG
124999 125021 123502 125235 CDS product envelope glycoprotein E	124999-125021	6:03:01 CCCGCCGGCGGCCCTCCTCCCC
125022 125045 123502 125235 CDS product envelope glycoprotein E	125022-125045	4:01:01 GCGGGGACAGCGGTACGAGGGG
125200 125211 123502 125235 CDS product envelope glycoprotein E	125200-125211	4:01:01 CCGCCAGCCGCC
125306 125323 125293 125589 CDS product membrane protein US9	125306-125323	4:01:01 CCCCAGCGCCCCGTCCC
125339 125394 125293 125589 CDS product membrane protein US9	125339-125394	10:07:02
CCCGGCCCGCGACGTCCTGCTGGCCCCCAAGGGACCCGCTCCCCGCTGCGCCCC		
125462 125486 125293 125589 CDS product membrane protein US9	125462-125486	5:02:01
GGGACGCCGGCAGGCGGCGCGCCGG		
125483 125502 125293 125589 CDS product membrane protein US9	125483-125502	4:01:01 CCGGAGACGCCGCCGCTGCC
125875 125903 125811 126581 CDS product virion protein US2	125875-125903	5:02:01
GGGCGAGGCGCACCCGACCTGTGGAAGG		
126018 126043 125811 126581 CDS product virion protein US2	126018-126043	4:01:01 CCCTGCTGCCGCGGCCACGCGCCCC
126137 126168 125811 126581 CDS product virion protein US2	126137-126168	6:03:01
CCCGGGGAGCCCCTCCGTATCAGCCGCCCCC		

126171	126187	125811	126581	CDS product virion protein US2	126171-126187	4:01:01	GGCTGGACACGGAGTGG
126223	126239	125811	126581	CDS product virion protein US2	126223-126239	4:01:01	GGGGGCCCGGGCACGG
126240	126336	125811	126581	CDS product virion protein US2	126240-126336	18:15:04	
CCCCGATCCACCTGTGGATCCTGGGCGCCGCCGACCTCTGCGACCAGGTGCTCCTGGCCGCTCCCGCAGCACCGCCGCGGAGCCCCGGCGCCCC							
126357	126377	125811	126581	CDS product virion protein US2	126357-126377	5:02:01	GGCGGCGGCCCCGGGTGACGG
126405	126427	125811	126581	CDS product virion protein US2	126405-126427	5:02:01	CCGGGATCCCGGCCACCCGCGCC
126442	126466	125811	126581	CDS product virion protein US2	126442-126466	5:02:01	CCACAACCGCTCCTGGCGCCACGCC
126467	126482	125811	126581	CDS product virion protein US2	126467-126482	4:01:01	GGCGAGTGGACGGAGG
126522	126546	125811	126581	CDS product virion protein US2	126522-126546	5:02:01	GGCGCCGGGCGGGCGGCAACGG
127516	127540	127513	128607	CDS product regulatory protein ICP22	127516-127540	5:02:01	
GGGGCGGCGGGCGGGCCGTCGGGG							
127565	127589	127513	128607	CDS product regulatory protein ICP22	127565-127589	6:03:01	
CCTTCCCGCCCTCCTCGCCCTCTCC							
127612	127680	127513	128607	CDS product regulatory protein ICP22	127612-127680	13:10:03	
CCGTCTTCGCGTCTTCCCCCGTCCTCCCTTCCTCGTCCTCCTCGTCTCTCCATCGTCCTCGTCC							
127712	127761	127513	128607	CDS product regulatory protein ICP22	127712-127761	10:07:02	
CCCCGTCCCCGCGTCGTCCGAGCCCGAGCCCTCTCCGTCCGAGCCGTCC							
127814	127857	127513	128607	CDS product regulatory protein ICP22	127814-127857	9:06:02	
CCCCGTCTCCTCGTCCTCCTCGTCCTCGGCCTCGTCGTCTCTCC							
127868	127902	127513	128607	CDS product regulatory protein ICP22	127868-127902	7:04:01	
CCGTCTCCCCGTCTCGTCCCCTTCTCTTCTCTCC							
127913	127997	127513	128607	CDS product regulatory protein ICP22	127913-127997	15:12:03	
CCTCTTCCCCCTCCTCGTCCTCGTCTTCTCTCCTCCCCGTCTTCTCTTCGTCTCGTCTCCCCGTCTCTCGCACACCGAGCC							

128092	128112	127513	128607	CDS product regulatory protein ICP22	128092-128112	4:01:01
GGCGGGGAGAGGACGCGCGG						
128202	128220	127513	128607	CDS product regulatory protein ICP22	128202-128220	4:01:01 GGGGGCCGAGGGCGCTGG
128415	128429	127513	128607	CDS product regulatory protein ICP22	128415-128429	4:01:01 GGGGTCGGGCGGGG
128469	128502	127513	128607	CDS product regulatory protein ICP22	128469-128502	9:06:02
GGGGGGCGTGGGGTCGAGGCGGGGACGGGGG						
128512	128576	127513	128607	CDS product regulatory protein ICP22	128512-128576	11:08:02
GGGACCGGGTCGTGGCCGGGCCCCGGCGGGTCGACGGGCGAGAACGGCGGGGAGGGCACGGG						
128583	128604	127513	128607	CDS product regulatory protein ICP22	128583-128604	4:01:01
CCAGTCGCCCCAGACCCGGTCC						
137137	137164	137091	141431	CDS product transcriptional regulator ICP4	137137-137164	6:03:01
CCAGCTCCTGGCGGCCGCCGCGGGCC						
137186	137237	137091	141431	CDS product transcriptional regulator ICP4	137186-137237	8:05:02
GGCCCCGACGGCGGCAGCCAGGGTCCCCGGCGCCGCGGTCTCTCCGGCGAGG						
137203	137230	137091	141431	CDS product transcriptional regulator ICP4	137203-137230	5:02:01
CCAGGGCTCCCGGCGCCGCGGTCTCTCC						
137242	137348	137091	141431	CDS product transcriptional regulator ICP4	137242-137348	18:15:04
CCTCTTCGGCCCCGGCGGCCTCTTCTCCGACGACGCCCGAGGCCGAGCCGCGCTCTCGCGCCGCGCCGGAGCCACGAGGCCGCCCGTCCTCTTCGGCCC						
137423	137449	137091	141431	CDS product transcriptional regulator ICP4	137423-137449	6:03:01
CCCCGGTCCCCGGCCGCGGGTCCCCC						
137426	137456	137091	141431	CDS product transcriptional regulator ICP4	137426-137456	5:02:01
GGGTCCCCGGCCGCGGGTCCCCCGGTCTGGG						
137485	137538	137091	141431	CDS product transcriptional regulator ICP4	137485-137538	10:07:02

CCTCGTCCTCGGGCCCCGGTCCCGGGCCGGCTCCGGGGCCCCGGCCGCCGACCCC			
137495 137527 137091 141431 CDS product transcriptional regulator ICP4	137495-137527	6:03:01	
GGGCCCCGGTCCCGGGCCGGCTCCGGGCCCCGG			
137554 137584 137091 141431 CDS product transcriptional regulator ICP4	137554-137584	6:03:01	
GGCAGAGGCCGGGGCCCCCGGCGGCCCGGG			
137562 137581 137091 141431 CDS product transcriptional regulator ICP4	137562-137581	4:01:01	
CCGGGGCCCCCGGCGGCCCC			
137592 137649 137091 141431 CDS product transcriptional regulator ICP4	137592-137649	12:09:03	
CCCCCTCCGCAGCCTCCCCGGCCTCCTCCTCCGGCTCTCCCGGCCCTCGGCAGCCCC			
137670 137720 137091 141431 CDS product transcriptional regulator ICP4	137670-137720	10:07:02	
GGGGGGACCCGGTCCGTGAGCCCCGGCCGGCGCGCGCTCGGACCCCGG			
137708 137736 137091 141431 CDS product transcriptional regulator ICP4	137708-137736	5:02:01	
CCTCGGACCCCGGCGCCACCAGCACAGCC			
137758 137770 137091 141431 CDS product transcriptional regulator ICP4	137758-137770	4:01:01	GGCACGGCGGGGG
137771 137802 137091 141431 CDS product transcriptional regulator ICP4	137771-137802	8:05:02	
CCCGCTTCCCCAGCCTCCCCCGCCGCCGGGCC			
137798 137826 137091 141431 CDS product transcriptional regulator ICP4	137798-137826	7:04:01	
GGGCCGGTCTCGGCGCCCGGCGGCGGCGG			
137829 137839 137091 141431 CDS product transcriptional regulator ICP4	137829-137839	4:01:01	CCCCCTCCGCC
137860 137882 137091 141431 CDS product transcriptional regulator ICP4	137860-137882	4:01:01	
CCATCACCAGCACCGGAGCCCC			
137934 138016 137091 141431 CDS product transcriptional regulator ICP4	137934-138016	15:12:03	
CCCGGAGCCCCGTCTCTCCAACCCAACTCCAACCTCCAACCTCCACCACCACCGTCGCCGTCGAGACCGTCGCCGCGGCCCC			

138022	138059	137091	141431	CDS product transcriptional regulator ICP4	138022-138059	7:04:01	
GGACGAGGACGGACTCGGCCTCGCCGGGGACGGCGGGG							
138077	138094	137091	141431	CDS product transcriptional regulator ICP4	138077-138094	4:01:01	
CCCCGCCGGCGCCGCGCC							
138105	138119	137091	141431	CDS product transcriptional regulator ICP4	138105-138119	4:01:01	CCCTCCGCCGCGGCC
138160	138208	137091	141431	CDS product transcriptional regulator ICP4	138160-138208	12:09:03	
CCTCTCCCCGGCCCGCTCGCCCTCGCCCCCGGGCCCCCGCCGCGCC							
138222	138280	137091	141431	CDS product transcriptional regulator ICP4	138222-138280	14:11:03	
CCTCTCCTCGTCCTCGTCCTCCTCGTCCTCCTCGTCCTCGTCCTCCTCC							
138304	138444	137091	141431	CDS product transcriptional regulator ICP4	138304-138444	30:27:07	
CCGGCCCCGGCGCCCACTCGCCCGCGCCGGGCGCCACCGTCTCCGCCGGCGCCCGCGGCCCCGGGCCCTCGGCCTCCTCCGCTCCTCCGCCGGCGCCTCCCCGGCCCCGGCCCCGAGC							
CCGCCCCGGCCCC							
138406	138428	137091	141431	CDS product transcriptional regulator ICP4	138406-138428	4:01:01	
GGCCTCCCCGGCCCCGGCCCCGG							
138457	138476	137091	141431	CDS product transcriptional regulator ICP4	138457-138476	5:02:01	
CCGCTCCACCAACAACCACC							
138489	138516	137091	141431	CDS product transcriptional regulator ICP4	138489-138516	6:03:01	
CCGACGGGCCCCCGCCGACGACGGGCC							
138539	138578	137091	141431	CDS product transcriptional regulator ICP4	138539-138578	8:05:02	
CCCTGGCCCGGCTCCGACCCTCCGGCCGACGGCCGCGTCC							
138631	138676	137091	141431	CDS product transcriptional regulator ICP4	138631-138676	9:06:02	
CCGCCAGGCCGCGGCCCGCTACCGCGCCGCGCGGGCCCGTGCCC							
138688	138706	137091	141431	CDS product transcriptional regulator ICP4	138688-138706	4:01:01	

GGAGATGGGGGACTCGAGG						
138747	138766	137091	141431	CDS product transcriptional regulator ICP4	138747-138766	4:01:01
CCGCCGCGAGGCCATGTCC						
138811	138865	137091	141431	CDS product transcriptional regulator ICP4	138811-138865	8:05:02
CCAGTTCTGCCAGCGCCGGTCCACGCGCCCCACGGCCACGGCTCCTTCATCACC						
138903	138921	137091	141431	CDS product transcriptional regulator ICP4	138903-138921	4:01:01
CCATGGCCGCCAGGACCC						
138951	138968	137091	141431	CDS product transcriptional regulator ICP4	138951-138968	4:01:01
CCGTGGCCATGAGCCGCC						
138981	139063	137091	141431	CDS product transcriptional regulator ICP4	138981-139063	15:12:03
CCCAGAAGACCTTCATCCTGCAGAGCCTCCGCCGGGCTACGCCGACATGGCCTACCCGGGCCGCGCCGGGACCCCCGCGCC						
139074	139139	137091	141431	CDS product transcriptional regulator ICP4	139074-139139	11:08:02
CCGTCGAGGCCCTCTGCGCCCGCTCCGCGCCGCTTCGCGCCGCGCAGCCCGCCGCGTGCCCC						
139155	139256	137091	141431	CDS product transcriptional regulator ICP4	139155-139256	18:15:04
CCTGCGTCCTGGCCTGCCGCGGCTCCTCGAGCGCCTGCTGCCCTGCCCCTCCGGCTGCCCCGCGCCCGCCCGCCCCGGCCGCTCGGGCCCGCCTGCC						
139300	139318	137091	141431	CDS product transcriptional regulator ICP4	139300-139318	4:01:01
CCCCGGGGCCGGCCCGGCC						
139304	139337	137091	141431	CDS product transcriptional regulator ICP4	139304-139337	7:04:01
GGGGCCGGCCCGGCCGAGCGGCGGCAGGCCGCGG						
139347	139371	137091	141431	CDS product transcriptional regulator ICP4	139347-139371	4:01:01
CCCTCGTCGCCCCACCGTGCGGCC						
139398	139569	137091	141431	CDS product transcriptional regulator ICP4	139398-139569	27:24:06
CCCGCGCCCGCGAGCCGCCTGGACCTACGCCGCGGCCCTCTTCGCCCCGGCCAACGTGGCCGCGGCCCGGCTCGCCGAGGCCCGCGCGGCCCGGGCCCGCGGAGCCCGCGCCCGGCTGCCCCCG						

CTCTGGCCCCGAGCAGCCCCGGCCTCGTCGTCCCAGCGCCGGCGCC

139447 139468 137091 141431 CDS product transcriptional regulator ICP4
GGCCAACGTGGCCGCGGCCCGG

139447-139468 4:01:01

139564 139581 137091 141431 CDS product transcriptional regulator ICP4
GGCGCCGGCGGGCGGGGG

139564-139581 5:02:01

139584 139732 137091 141431 CDS product transcriptional regulator ICP4

139584-139732 30:27:07

CCCCCTCCGGCCTCCCCGGCTCCGGGCCCTCCAGCCCCGCCAGCACCAAGTCCAGCTCCAGCACCAAGTCCAGCTCCAGCACCAAGTCCGGCCTCTCCGGCTCCTCCGGCTACGCCAGCTCCCCCGCC
GCCGGCCCGGACCCAGCGCCC

139753 139777 137091 141431 CDS product transcriptional regulator ICP4
CCGCGCGCCCGGGGCCCCGCGCCCC

139753-139777 5:02:01

139778 139814 137091 141431 CDS product transcriptional regulator ICP4
GGGGACGGCGAGGAGGACGAGGGGCTCTCCGGCGCGG

139778-139814 7:04:01

139855 139870 137091 141431 CDS product transcriptional regulator ICP4

139855-139870 4:01:01 GGACCGGGGGCCCCGG

139898 139918 137091 141431 CDS product transcriptional regulator ICP4
CCCGCTCCGGACCCCGCTCCC

139898-139918 4:01:01

139929 139948 137091 141431 CDS product transcriptional regulator ICP4
CCTCCTCCTCCTCCTCCTCC

139929-139948 7:04:01

139957 140002 137091 141431 CDS product transcriptional regulator ICP4
CCGGCTCCGGCGCCCGCTCGGGCCCATGCCCCGAGACCCCGCGCCC

139957-140002 7:04:01

140014 140111 137091 141431 CDS product transcriptional regulator ICP4
CCGCCGCTCCCGCCGGCGAGACCCACACGCCGCGGCCCTCCGAGGCGGCCCTCGCCGCCTACTGCCGCCCGAGGTGGCCCGCGCCCTCGTGGACC

140014-140111 16:13:04

140148 140165 137091 141431 CDS product transcriptional regulator ICP4
CCTTCGACCCGGCCGCCC

140148-140165 4:01:01

140178	140215	137091	141431	CDS product transcriptional regulator ICP4 CCGCGCGCCGCGGCGCCCCGCTCCGCGCCGCGCGCC	140178-140215	8:05:02
140295	140348	137091	141431	CDS product transcriptional regulator ICP4 CCGAGCCCGCCGAGGGCGCCCCGCGCCGGCCTGGGACCCGCGCCGGGCGGCC	140295-140348	9:06:02
140364	140381	137091	141431	CDS product transcriptional regulator ICP4 CCGCCTTCGCCCACCGCC	140364-140381	5:02:01
140406	140425	137091	141431	CDS product transcriptional regulator ICP4 GGGCCGGGAAGTGGACCGGG	140406-140425	4:01:01
140473	140504	137091	141431	CDS product transcriptional regulator ICP4 GGCGCGGACCTCGGCTTCGCCGGCGCCGTGG	140473-140504	5:02:01
140520	140542	137091	141431	CDS product transcriptional regulator ICP4 GGCTCGGCGCGGCGCGCGCCGG	140520-140542	5:02:01
140566	140597	137091	141431	CDS product transcriptional regulator ICP4 GGACTGGCCCGCGGACGGCCCGGCCGTGGGGG	140566-140597	7:04:01
140614	140647	137091	141431	CDS product transcriptional regulator ICP4 CCGCGTCCGCCTGGACCCGGCCGCCAGTGCGCC	140614-140647	7:04:01
140657	140683	137091	141431	CDS product transcriptional regulator ICP4 CCCGGGTGCCGCGAGCTCCGCGCGGCC	140657-140683	4:01:01
140736	140786	137091	141431	CDS product transcriptional regulator ICP4 CCTCCTTCGCCCCGCTGCACCCGGGGCCGAGCCGCTGCGCCTCTGCCGCC	140736-140786	10:07:02
140814	140864	137091	141431	CDS product transcriptional regulator ICP4 CCCGCGCCGGGCCCCGACCCGGTCCCGCTGCCGCCGCGCCTACCGCC	140814-140864	10:07:02
140884	140903	137091	141431	CDS product transcriptional regulator ICP4	140884-140903	4:01:01

GGACGGCTGCAAGGACATGG					
141021	141073	137091	141431	CDS product transcriptional regulator ICP4	141021-141073 10:07:02
CCTGCGGCCGCCGGGCTCGCCGAGCTCCGCGCCCCGAGGGCCTGCCGGCC					
141110	141129	137091	141431	CDS product transcriptional regulator ICP4	141110-141129 4:01:01
CCCGACGCCGAGGCCGCCCC					
141141	141178	137091	141431	CDS product transcriptional regulator ICP4	141141-141178 7:04:01
CCCCGGGCGCCGTCGCCGCCGGCGGCGCCCCGCCGGCC					
141195	141283	137091	141431	CDS product transcriptional regulator ICP4	141195-141283 15:12:03
CCCCCTTCGAGACCAGCGTCCGCGCCGCCGGGGGCGCCGTGGAGACCCACCGGCCGCGGGGCTCGGGCGCCGGGGCCGGCCCC					
141249	141305	137091	141431	CDS product transcriptional regulator ICP4	141249-141305 10:07:02
GGCCCCGCGGGGCTCGGGCGCCGGGCGGCCCGCGGAGGACGGGACTCTGTGG					
141314	141355	137091	141431	CDS product transcriptional regulator ICP4	141314-141355 7:04:01
GGCGTCCGCGGCGGACGGCCGGCCCCGCGGCCGCTCGGG					
141334	141358	137091	141431	CDS product transcriptional regulator ICP4	141334-141358 4:01:01
CCGGCCCCGCGGCCGCTCGGGCCC					
141364	141405	137091	141431	CDS product transcriptional regulator ICP4	141364-141405 8:05:02
GGTGGAGGCCATCTCGGACGACGAGGAGGCCGAGGACGCCGG					
141393	141425	137091	141431	CDS product transcriptional regulator ICP4	141393-141425 5:02:01
CCGAGGACGCCGCAACCCCTACCTGCTGCTCC					

gi 216905852 ref NC_011644.1 Equid herpesvirus 9, complete genome					
873	915	848	1456	CDS product membrane protein UL56	873-915 9:06:02 CCGCGCCTCCTCTGTCTCCATCTCCATGTGCCACCGCCACCC
1043	1083	848	1456	CDS product membrane protein UL56	1043-1083 7:04:01

CCAGAAGCTCCAGCCTGCCTTCTACCGGCTCCCTGAGATCC						
1108	1131	848	1456	CDS product membrane protein UL56	1108-1131	5:02:01 CCGTCGAGGCCGCCGTCTACACC
1172	1189	848	1456	CDS product membrane protein UL56	1172-1189	4:01:01 GGCCGCGGGCGTGGACGG
1226	1245	848	1456	CDS product membrane protein UL56	1226-1245	4:01:01 CCCTGTGCCAGGCTCCGCCC
1320	1332	848	1456	CDS product membrane protein UL56	1320-1332	4:01:01 CCCCCACCAGCCC
1503	1519	1495	2109	CDS product membrane protein V1	1503-1519	4:01:01 CCCCTTTCCAAACCCCC
1758	1782	1495	2109	CDS product membrane protein V1	1758-1782	4:01:01 GGCATCGGTACAGCGGCCCGTGGGG
1895	1911	1495	2109	CDS product membrane protein V1	1895-1911	4:01:01 CCGGACCCTGCCAGGCC
1908	1924	1495	2109	CDS product membrane protein V1	1908-1924	4:01:01 GGCCGACGGGGGAAGG
2663	2689	2386	3159	CDS product myristylated tegument protein CIRC	2663-2689	5:02:01
GGTCTTTGGCTACGAGGACGGTACCGG						
2882	2917	2386	3159	CDS product myristylated tegument protein CIRC	2882-2917	6:03:01
CCTACTGGGCCACACCAAGAGCTCCACGCACCGTCC						
2958	2987	2386	3159	CDS product myristylated tegument protein CIRC	2958-2987	5:02:01
CCCCCACGCAACCGAGTAGCCAAAGGCC						
2983	3001	2386	3159	CDS product myristylated tegument protein CIRC	2983-3001	4:01:01
GGCCCAAAGGTAAGGGAGG						
4051	4074	4014	5426	CDS product multifunctional expression regulator	4051-4074	4:01:01
GGTAAACCGGAAGTAGGGTGTAGG						
4941	4957	4014	5426	CDS product multifunctional expression regulator	4941-4957	4:01:01
CCCGCGCCGCCATGTCC						
5021	5054	4014	5426	CDS product multifunctional expression regulator	5021-5054	5:02:01
CCGCTTTGGCCAGCTCCGCGCTGCCTGGTGCGCC						

5141	5160	4014	5426	CDS product multifunctional expression regulator		5141-5160	4:01:01
CCCCTGGCCAAACGCCGGCC							
5720	5739	5560	6591	CDS product envelope glycoprotein K	5720-5739	6:03:01	GGGTGGCGGGGGTTGGAGGG
6569	6581	5560	6591	CDS product envelope glycoprotein K	6569-6581	4:01:01	CCGTCCTACCCCC
6921	6937	6605	9844	CDS product helicase-primase primase subunit		6921-6937	4:01:01
CCACCTCACCGAGCACC							
7223	7249	6605	9844	CDS product helicase-primase primase subunit		7223-7249	5:02:01
CCTCCATAAACCTCACCAGAGTCGCCC							
7265	7282	6605	9844	CDS product helicase-primase primase subunit		7265-7282	4:01:01
GGAAGGCGAAGGCTGCGG							
7401	7440	6605	9844	CDS product helicase-primase primase subunit		7401-7440	9:06:02
GGGCTTCCGGTCCGGCCAGGAGGTAAGGGGCGGCACTGG							
8166	8183	6605	9844	CDS product helicase-primase primase subunit		8166-8183	4:01:01
GGCGCTTGAAGGCAGGG							
8207	8226	6605	9844	CDS product helicase-primase primase subunit		8207-8226	4:01:01
CCGGAACCCCTTTTGCC							
8410	8425	6605	9844	CDS product helicase-primase primase subunit		8410-8425	4:01:01 CCAGCCGCGGCCCGCC
8995	9012	6605	9844	CDS product helicase-primase primase subunit		8995-9012	4:01:01
GGGGTTTGGTGCGGCCGG							
9043	9074	6605	9844	CDS product helicase-primase primase subunit		9043-9074	5:02:01
GGCCTGCAGGTCGTAGGTGCCCCGGATCTGG							
9465	9485	6605	9844	CDS product helicase-primase primase subunit		9465-9485	4:01:01
CCAACGCCCGGGCTCCCGTCC							

9545	9558	6605	9844	CDS product helicase-primase primase subunit	9545-9558	4:01:01	CCTCCCACCATACC
9643	9661	6605	9844	CDS product helicase-primase primase subunit	9643-9661	4:01:01	
CCAACCGTCACCAGTGTCC							
9928	9955	9843	10580	CDS product tegument protein UL51	9928-9955	5:02:01	CCCGGCTACCATGCTCCGCCTACAGTCC
10119	10141	9843	10580	CDS product tegument protein UL51	10119-10141	4:01:01	CCGACAACCCGAACCTGAACGCC
10185	10208	9843	10580	CDS product tegument protein UL51	10185-10208	4:01:01	CCTGCCTCGCGGCCCTAATGCACC
10690	10710	10685	11665	CDS product deoxyuridine triphosphatase	10690-10710	4:01:01	CCCGTTGAGCCAAACCTCC
11680	11721	11634	11936	CDS product envelope glycoprotein N	11680-11721	8:05:02	
GGTGGTGCTTGGTCTGGCTAGAGGGCTGGTGGCGACCTAGG							
11871	11890	11634	11936	CDS product envelope glycoprotein N	11871-11890	4:01:01	CCTGCCAGGCATACCGCGCC
12414	12425	12098	13015	CDS product tegument protein VP22	12414-12425	4:01:01	GGTTGGCGGTGG
12437	12459	12098	13015	CDS product tegument protein VP22	12437-12459	5:02:01	CCTCCCATGGCCGCCAAAGCCCC
12494	12524	12098	13015	CDS product tegument protein VP22	12494-12524	6:03:01	
CCGCACCACCCACGTTCCAACGCGACC							
12895	12921	12098	13015	CDS product tegument protein VP22	12895-12921	4:01:01	GGATACGCGGCAGCTGGGCCCAACGGG
13269	13293	13149	14498	CDS product transactivating tegument protein VP16	13269-13293	4:01:01	
CCATCGAGTCCGTTTATCCAGTCC							
13316	13339	13149	14498	CDS product transactivating tegument protein VP16	13316-13339	6:03:01	
CCACCGCCCAAGGCCGCCAGCCCC							
13356	13386	13149	14498	CDS product transactivating tegument protein VP16	13356-13386	5:02:01	
GGCTACAAGGCGAGCTGGGTTTCCCGGAGGG							
13526	13549	13149	14498	CDS product transactivating tegument protein VP16	13526-13549	4:01:01	
CCCACTCCCAGCCACTATAGCCCC							

13580	13601	13149	14498	CDS product transactivating tegument protein VP16	13580-13601 4:01:01
CCCTTCCCAGAGGTTCCAGCCC					
13816	13837	13149	14498	CDS product transactivating tegument protein VP16	13816-13837 4:01:01
CCGCGAGGCCGCTAACCTGGCC					
13884	13904	13149	14498	CDS product transactivating tegument protein VP16	13884-13904 4:01:01
CCTGGCGCCTGCATGCCAGCC					
14317	14368	13149	14498	CDS product transactivating tegument protein VP16	14317-14368 10:07:02
CCCGCCCTCCCCAGCGCCGTGCTACCCGGTGACCCGGTCCCACCTCTTACC					
15148	15176	14871	17477	CDS product tegument protein VP13/14	15148-15176 4:01:01
CCCCGCACAGCCACAAGCACCCAGACCCC					
15220	15237	14871	17477	CDS product tegument protein VP13/14	15220-15237 4:01:01 GGAAGAGGAGGAAGATGG
15392	15413	14871	17477	CDS product tegument protein VP13/14	15392-15413 4:01:01 GGTGAAATGGGAGCCGGGGCGG
15727	15743	14871	17477	CDS product tegument protein VP13/14	15727-15743 4:01:01 GGGGGACTACATGGAGG
15834	15849	14871	17477	CDS product tegument protein VP13/14	15834-15849 4:01:01 CCAACCACCAACCC
16320	16343	14871	17477	CDS product tegument protein VP13/14	16320-16343 5:02:01 GGGAGAGGCGAAAGGAAACGGGGG
16605	16630	14871	17477	CDS product tegument protein VP13/14	16605-16630 4:01:01
CCCACTCCGCAAGTCCCAGCTACACC					
16642	16655	14871	17477	CDS product tegument protein VP13/14	16642-16655 4:01:01 GGTGGCAATGGAGG
16984	17004	14871	17477	CDS product tegument protein VP13/14	16984-17004 4:01:01 GGGGGTGTTTTGGGCGTGGG
17005	17033	14871	17477	CDS product tegument protein VP13/14	17005-17033 6:03:01
CCTAATCCTTCAGCGCCTGGCCGCCACC					
17219	17240	14871	17477	CDS product tegument protein VP13/14	17219-17240 5:02:01 CCGCGACCGGTCCTCCTACCC
17321	17351	14871	17477	CDS product tegument protein VP13/14	17321-17351 6:03:01

GGCGCAGGCCTGGGCCGCATGGTGGACCTGG					
17397	17407	14871	17477	CDS product tegument protein VP13/14	17397-17407 4:01:01 CCACCTCCTCC
17629	17640	17628	19862	CDS product tegument protein VP11/12	17629-17640 4:01:01 GGACGGAGGGGG
17986	18007	17628	19862	CDS product tegument protein VP11/12	17986-18007 4:01:01 CCTCCGAGAGTCCAGCGGCGCC
18023	18038	17628	19862	CDS product tegument protein VP11/12	18023-18038 4:01:01 GGCGCGGTGGGCCAGG
18465	18478	17628	19862	CDS product tegument protein VP11/12	18465-18478 4:01:01 CCACCGCCGACGCC
18642	18659	17628	19862	CDS product tegument protein VP11/12	18642-18659 4:01:01 GGCTCGATGGCGGCGTGG
18944	18973	17628	19862	CDS product tegument protein VP11/12	18944-18973 6:03:01
CCTCCCCAAGGGCCGCTACCGCACCCCC					
19268	19288	17628	19862	CDS product tegument protein VP11/12	19268-19288 4:01:01 CCCTCAACTCCATCGCCAACC
19305	19324	17628	19862	CDS product tegument protein VP11/12	19305-19324 4:01:01 CCGATCCGCTCCTGGGGCCC
19544	19561	17628	19862	CDS product tegument protein VP11/12	19544-19561 4:01:01 CCACCAGCCAATTCTCCC
19572	19582	17628	19862	CDS product tegument protein VP11/12	19572-19582 4:01:01 CCGCCGCCTCC
20555	20584	20016	20699	CDS product membrane protein UL45	20555-20584 7:04:01
GGTGGGTGTAGGGGAGTTGGCAGTGGGG					
21799	21811	20971	22377	CDS product envelope glycoprotein C	21799-21811 4:01:01 CCGGCCGTCCGCC
22679	22694	22555	23760	CDS product envelope protein UL43	22679-22694 4:01:01 CCCCCAATATGCCCCC
22769	22789	22555	23760	CDS product envelope protein UL43	22769-22789 4:01:01 GGGCCGTGGAGTGGATGCCGG
23411	23439	22555	23760	CDS product envelope protein UL43	23411-23439 5:02:01
CCGATCCCGCGACCCAGACACCGGCGGCC					
24207	24227	24005	25225	CDS product DNA polymerase processivity subunit	24207-24227 5:02:01
GGCACGGCTGGGTCGGGTAGG					
26493	26514	25789	27282	CDS product tegument host shutoff protein	26493-26514 5:02:01

CCGCTGTTTCCCCAACCTCC					
26582	26610	25789	27282	CDS product tegument host shutoff protein	26582-26610 5:02:01
CCACACGGACCTCCACGAGCCCCAAACCC					
26884	26911	25789	27282	CDS product tegument host shutoff protein	26884-26911 6:03:01
GGCCTCGGCGGTCCGTGGAGGCCTCCGG					
26991	27006	25789	27282	CDS product tegument host shutoff protein	26991-27006 4:01:01 CCCCCAAAACCCGCC
27092	27112	25789	27282	CDS product tegument host shutoff protein	27092-27112 4:01:01
CCTACCCATCACCCAGGAGCC					
27131	27174	25789	27282	CDS product tegument host shutoff protein	27131-27174 6:03:01
CCACGATACCCTTAGAAACCTGGTCTCCGAACCCGAGATTGCCC					
27905	27955	27424	28389	CDS product ribonucleotide reductase subunit 2	27905-27955 10:07:02
CCGCCACCGATCCACATTCCCGCACCTTTGCCTGTAGCCAGGCAACCTTCC					
30065	30086	28431	30803	CDS product ribonucleotide reductase subunit 1	30065-30086 4:01:01
CCCGGCCTCTTCCATCAGAGCC					
30196	30212	28431	30803	CDS product ribonucleotide reductase subunit 1	30196-30212 4:01:01
CCTGTCCAGCCAGCGCC					
30239	30272	28431	30803	CDS product ribonucleotide reductase subunit 1	30239-30272 6:03:01
CCAGCCTACTTCCCCGCTGACCACCACGCGTGCC					
30678	30696	28431	30803	CDS product ribonucleotide reductase subunit 1	30678-30696 4:01:01
GGGCGGGGAGGCAGCGTGG					
31061	31081	31045	32442	CDS product capsid triplex subunit 1	31061-31081 4:01:01 CCAATCCTGTGGGTCCCACC
31149	31176	31045	32442	CDS product capsid triplex subunit 1	31149-31176 5:02:01
GGGGGAGTCTGAGGCTATGGCCCCCAGG					

31316 31355 31045 32442 CDS product capsid triplex subunit 1
 GGTCTGGAGCGGGAGGGCGGCGTTTGGGTGCGGCTCTGG
 31457 31479 31045 32442 CDS product capsid triplex subunit 1
 31630 31646 31045 32442 CDS product capsid triplex subunit 1
 31653 31666 31045 32442 CDS product capsid triplex subunit 1
 31859 31878 31045 32442 CDS product capsid triplex subunit 1
 31905 31971 31045 32442 CDS product capsid triplex subunit 1
 CCGCAGCCCCGTCGTATCCGAGCGACCGACACCGAGAGTTCCGCCAGCGCGGCCAGGCCTCGTCC
 32022 32063 31045 32442 CDS product capsid triplex subunit 1
 GGCATCGAGGTGTTACGGAGGCGGATTATCGGAAGTCCTGG
 32895 32913 32819 35884 CDS product tegument protein UL37
 32967 32989 32819 35884 CDS product tegument protein UL37
 33110 33136 32819 35884 CDS product tegument protein UL37
 33460 33484 32819 35884 CDS product tegument protein UL37
 33902 33942 32819 35884 CDS product tegument protein UL37
 CCAGTAACACCTGGGAGACCATCCAGGCCAGCACGACCCCC
 33994 34018 32819 35884 CDS product tegument protein UL37
 34099 34121 32819 35884 CDS product tegument protein UL37
 34227 34255 32819 35884 CDS product tegument protein UL37
 GGCCCTGGGGCTGGCGACAAGGGAGTGG
 34697 34719 32819 35884 CDS product tegument protein UL37
 34799 34824 32819 35884 CDS product tegument protein UL37
 34833 34849 32819 35884 CDS product tegument protein UL37

31316-31355 8:05:02
 31457-31479 5:02:01 CCGCCACGTACACCCTCACCCCC
 31630-31646 4:01:01 CCCTCCTGAACACCCCC
 31653-31666 4:01:01 GGCGGTGAGGCTGG
 31859-31878 4:01:01 CCGCGGACCTGGATGCCACC
 31905-31971 10:07:02
 32022-32063 8:05:02
 32895-32913 4:01:01 CCGCAGCCTCGAGCCTGCC
 32967-32989 5:02:01 GGTGTCGGTGGACGAGGCCGCGG
 33110-33136 7:04:01 GGACGGACAGGGAATGGAGGCGGTGG
 33460-33484 4:01:01 GGCCTCATGGTCAAGGGATACAAGG
 33902-33942 7:04:01
 33994-34018 5:02:01 GGAATTTTGGAGCGCGTGGTGGTGG
 34099-34121 4:01:01 GGTTGCGTGGCTATAGTGGGTGG
 34227-34255 6:03:01
 34697-34719 4:01:01 GGGCCAGGGACTACGGCGCTGGG
 34799-34824 5:02:01 CCCCTACCCCAACCATGGCCCATGCC
 34833-34849 4:01:01 GGAGGCGCTTTTGGGGG

35155	35192	32819	35884	CDS product tegument protein UL37	35155-35192	7:04:01
GGTAGGTGGCGTCTGGTAGACGTGGTCGACGCGTTGG						
35271	35305	32819	35884	CDS product tegument protein UL37	35271-35305	6:03:01
GGCCGCGGAGGCACTGCAGGAGTGCAGGCCCTGG						
35373	35391	32819	35884	CDS product tegument protein UL37	35373-35391	4:01:01 GGCCAGGGCCCAGAGGGG
35419	35438	32819	35884	CDS product tegument protein UL37	35419-35438	4:01:01 GGGGTTCCGAGGCTCCAGG
36132	36166	36113	46432	CDS product large tegument protein	36132-36166	6:03:01
GGCGAATAAGGCGGGTGGCGCTCAGGCCGATGTGG						
36574	36592	36113	46432	CDS product large tegument protein	36574-36592	4:01:01 GGGGCTACTGGTCTGGCGG
36898	36912	36113	46432	CDS product large tegument protein	36898-36912	4:01:01 CCCCCACCGCTAACC
36918	36945	36113	46432	CDS product large tegument protein	36918-36945	7:04:01 GGCTGTGGGGCGGTTTCGGAGGCGTGG
37084	37104	36113	46432	CDS product large tegument protein	37084-37104	5:02:01 CCCCCGTGGACGCCTCCACC
37267	37287	36113	46432	CDS product large tegument protein	37267-37287	4:01:01 CCCGTCCAGGCCGTAGGCGCC
37382	37396	36113	46432	CDS product large tegument protein	37382-37396	4:01:01 GGCTCTCGGGGAGG
37602	37620	36113	46432	CDS product large tegument protein	37602-37620	4:01:01 GGTGAAAACGGCACGCGG
37676	37692	36113	46432	CDS product large tegument protein	37676-37692	4:01:01 CCATTCCTACCCAATCC
37851	37879	36113	46432	CDS product large tegument protein	37851-37879	5:02:01
GGAGCTCGTGTTAAGGTTGAGGAATTGG						
37974	38004	36113	46432	CDS product large tegument protein	37974-38004	5:02:01
CCTATTTGCCGAGAACCGAAACCGGGGGCC						
38214	38241	36113	46432	CDS product large tegument protein	38214-38241	6:03:01 CCTCTCCGCCGTTCTACCCGCGTAGCC
38457	38472	36113	46432	CDS product large tegument protein	38457-38472	4:01:01 CCAGGGACCCCCACCC
38805	38821	36113	46432	CDS product large tegument protein	38805-38821	4:01:01 GGCAAAGGTGGTCGAGG

39165	39190	36113	46432	CDS product large tegument protein
39192	39208	36113	46432	CDS product large tegument protein
39635	39648	36113	46432	CDS product large tegument protein
39656	39673	36113	46432	CDS product large tegument protein
39911	39932	36113	46432	CDS product large tegument protein
40446	40474	36113	46432	CDS product large tegument protein
GGTCGCGGAAAAGGTTTGGCCGAAGGGG				
40499	40525	36113	46432	CDS product large tegument protein
40791	40810	36113	46432	CDS product large tegument protein
40869	40890	36113	46432	CDS product large tegument protein
41051	41067	36113	46432	CDS product large tegument protein
41196	41207	36113	46432	CDS product large tegument protein
41508	41526	36113	46432	CDS product large tegument protein
41846	41863	36113	46432	CDS product large tegument protein
42020	42038	36113	46432	CDS product large tegument protein
42433	42451	36113	46432	CDS product large tegument protein
42452	42504	36113	46432	CDS product large tegument protein
CCGCAGCCAAGATAGCCTCCGCCATTCCCGGAAACCCCTAGCCACCTTTACC				
42629	42648	36113	46432	CDS product large tegument protein
42651	42664	36113	46432	CDS product large tegument protein
43213	43235	36113	46432	CDS product large tegument protein
43419	43438	36113	46432	CDS product large tegument protein
43491	43518	36113	46432	CDS product large tegument protein

39165-39190	5:02:01	CCCAAACCTCCACTACCTCATCCGCCC
39192-39208	4:01:01	GGCGGGAGTGGGCCCGG
39635-39648	4:01:01	CCGCCGCCACTGCC
39656-39673	4:01:01	GGGAGCTGGCGAGGCTGG
39911-39932	4:01:01	GGGACCTCGGTGCGGCTCGCGG
40446-40474	5:02:01	
40499-40525	4:01:01	CCCTGATAGCCAAAGCCCTTAAGTACC
40791-40810	4:01:01	GGACAAGGCTACCTCGGCGG
40869-40890	4:01:01	GGACATTAAGCCGTGGAGTGG
41051-41067	4:01:01	GGGATGAGGCGTGGGGG
41196-41207	4:01:01	CCGCCTACCCCC
41508-41526	5:02:01	CCGCCCCACCTGGAAGCC
41846-41863	4:01:01	GGTTTGGACTGGAAAAGG
42020-42038	4:01:01	GGTTCATGGCGGGTTCGGG
42433-42451	4:01:01	GGCGAAAGCGGACGGGCGG
42452-42504	11:08:02	
42629-42648	4:01:01	CCTCTACCGTACAGACCTCC
42651-42664	4:01:01	GGCGGTGGACCCGG
43213-43235	4:01:01	CCTCCGATGAACCCGGATGACCC
43419-43438	4:01:01	GGAGGACCCAACGGGTATGG
43491-43518	6:03:01	GGCGTGGCAAGAGTGTTGGAGGATGGG

	43547	43580	36113	46432	CDS product large tegument protein	43547-43580	7:04:01	
	CCAACGCCATACCAGCGCCCCCAAACCTACTCC							
43724	43787	36113	46432		CDS product large tegument protein	43724-43787	15:12:03	
	CCGTTCCCCTTTCGTACCTGCTCCTCCACCCCTTCCACCCGCTCCCCCTCTGCCCCAACCCCC							
44068	44106	36113	46432		CDS product large tegument protein	44068-44106	8:05:02	
	CCAGTTCCACCCACCGATAAGCCGTAACCACCACTCCC							
44266	44285	36113	46432		CDS product large tegument protein	44266-44285	5:02:01	CCGGAGCCAAACCACCCCC
44459	44517	36113	46432		CDS product large tegument protein	44459-44517	11:08:02	
	CCCAATCAACCAAGGAGCCCCAAAAGCCTGCCGTAGAGGCCCCGCCGGCCCCGGCC							
44630	44656	36113	46432		CDS product large tegument protein	44630-44656	6:03:01	CCCCGCCGCGGCCCCGGCCAAAGACC
44688	44797	36113	46432		CDS product large tegument protein	44688-44797	19:16:04	
	GGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGCCAAGGACCAGGC							
45138	45178	36113	46432		CDS product large tegument protein	45138-45178	7:04:01	
	CCCATTGCCCGATTCTCCCACCGACGAACCTCCAGCGGCC							
45514	45527	36113	46432		CDS product large tegument protein	45514-45527	4:01:01	CCGGCCACCATTCC
45676	45728	36113	46432		CDS product large tegument protein	45676-45728	11:08:02	
	CCTCAGCCGCCACCAGCAAACCAGACACCACCGCTCACGAACCCCCAGCACC							
47098	47117	46982	47809		CDS product nuclear egress membrane protein	47098-47117	4:01:01	GGAGATGCTGGTAAGGCTGG
47124	47138	46982	47809		CDS product nuclear egress membrane protein	47124-47138	4:01:01	CCTCCGCCGCGCACC
47386	47406	46982	47809		CDS product nuclear egress membrane protein	47386-47406	5:02:01	
	CCTCAGGTCCAGGCCTCCCCC							
47677	47694	46982	47809		CDS product nuclear egress membrane protein	47677-47694	4:01:01	GGCTGGTAGGTGTTGGG
47768	47779	46982	47809		CDS product nuclear egress membrane protein	47768-47779	4:01:01	CCACCACCGACC

48514	48529	48338	50200	CDS product DNA packaging protein UL32	48514-48529 4:01:01 CCCACGCCACCGCCCC
48736	48753	48338	50200	CDS product DNA packaging protein UL32	48736-48753 4:01:01 CCGCCGTGTGCCGTGGCC
48964	48979	48338	50200	CDS product DNA packaging protein UL32	48964-48979 4:01:01 GGACCCGGTATGGCGG
49119	49145	48338	50200	CDS product DNA packaging protein UL32	49119-49145 7:04:01
GGCGGATGGGGGCGGTGGGGTGTGTTGG					
49407	49428	48338	50200	CDS product DNA packaging protein UL32	49407-49428 4:01:01 CCAGTCCAGTACCTGGGAGGCC
49560	49579	48338	50200	CDS product DNA packaging protein UL32	49560-49579 4:01:01 GGACACGGCCACTGGGCCGG
49806	49818	48338	50200	CDS product DNA packaging protein UL32	49806-49818 4:01:01 GGGTGGCGGTGGG
49954	49976	48338	50200	CDS product DNA packaging protein UL32	49954-49976 5:02:01 CCCATAGGCCACCTCCAGAACC
50609	50635	50193	51173	CDS product nuclear egress lamina protein	50609-50635 5:02:01
CCTCGCCTTCACCGCGAGACCGCGCC					
50712	50746	50193	51173	CDS product nuclear egress lamina protein	50712-50746 7:04:01
CCGCCGCCAGGGGACCCTGCCGCGTTGCCGCC					
51375	51406	51097	54759	CDS product DNA polymerase catalytic subunit	51375-51406 6:03:01
GGAAACATAGGTCGGGTCTTCGGCGAGGTCGG					
51427	51469	51097	54759	CDS product DNA polymerase catalytic subunit	51427-51469 8:05:02
GGTTGGGGGCGTGCGGTCTTGGTTGCCACGGGGTTGGGGCGG					
51597	51612	51097	54759	CDS product DNA polymerase catalytic subunit	51597-51612 4:01:01 GGTGAGGTGCGGCAGG
51788	51807	51097	54759	CDS product DNA polymerase catalytic subunit	51788-51807 4:01:01
CCTCTGCGGCCGCCGTGGCC					
52039	52056	51097	54759	CDS product DNA polymerase catalytic subunit	52039-52056 4:01:01
CCCAGCTCCGATACCCCC					
52119	52140	51097	54759	CDS product DNA polymerase catalytic subunit	52119-52140 4:01:01

GGAGTAAGGCTTGTGGTTTCGG					
52279	52301	51097	54759	CDS product DNA polymerase catalytic subunit	52279-52301 5:02:01
CCGTTTGCCACCCCGTGAATCC					
52655	52681	51097	54759	CDS product DNA polymerase catalytic subunit	52655-52681 4:01:01
CCTTTGCTCCCTGGTAGCCACGGCCC					
52690	52730	51097	54759	CDS product DNA polymerase catalytic subunit	52690-52730 8:05:02
CCGGGCTTTCCGCCTCCATTTCCGAAGCCGACCGATCC					
53050	53078	51097	54759	CDS product DNA polymerase catalytic subunit	53050-53078 5:02:01
CCTATCACGCCCCGCCGGTCAGGCCACAC					
53589	53616	51097	54759	CDS product DNA polymerase catalytic subunit	53589-53616 4:01:01
GGAGATCTGGATAACCAGGTCCTCTTG					
53712	53735	51097	54759	CDS product DNA polymerase catalytic subunit	53712-53735 4:01:01
GGGGATCGGCTCCAGGTTATCTGG					
53807	53826	51097	54759	CDS product DNA polymerase catalytic subunit	53807-53826 4:01:01
GGGTGCCGGGCCGAGGCGG					
53942	53956	51097	54759	CDS product DNA polymerase catalytic subunit	53942-53956 4:01:01 GGCGGCTGCTGGAGG
54055	54083	51097	54759	CDS product DNA polymerase catalytic subunit	54055-54083 8:05:02
CCGCCCCACCATCCCCGCCGCTACCGCC					
54094	54117	51097	54759	CDS product DNA polymerase catalytic subunit	54094-54117 5:02:01
CCTCCGTTGCCATTTCCTCAAGGCC					
54197	54213	51097	54759	CDS product DNA polymerase catalytic subunit	54197-54213 5:02:01
CCACCTCCGCCTTTGCC					
54406	54454	51097	54759	CDS product DNA polymerase catalytic subunit	54406-54454 8:05:02

CCATCGCCCCGAAAATCCTGGCCGTTCCAAACCCGAATCCTGCGGGGCC					
54554	54565	51097	54759	CDS product DNA polymerase catalytic subunit	54554-54565 4:01:01 GGTCGGCGGGGG
54632	54661	51097	54759	CDS product DNA polymerase catalytic subunit	54632-54661 5:02:01
GGGGGGGCTTGGGGCGCTCGGTCTCCGAGG					
55228	55244	55016	58645	CDS product single-stranded DNA-binding protein	55228-55244 4:01:01
GGACTGGGTGGTGCTGG					
55331	55345	55016	58645	CDS product single-stranded DNA-binding protein	55331-55345 4:01:01 CCCCCAACCTCACCC
55356	55376	55016	58645	CDS product single-stranded DNA-binding protein	55356-55376 5:02:01
GGCGGCTAGACGGAGGTTTG					
55452	55470	55016	58645	CDS product single-stranded DNA-binding protein	55452-55470 4:01:01
CCTGTCTCCGGAGACCACC					
55792	55813	55016	58645	CDS product single-stranded DNA-binding protein	55792-55813 4:01:01
GGAGCGGCCACCTGGCCTTG					
55879	55901	55016	58645	CDS product single-stranded DNA-binding protein	55879-55901 4:01:01
GGAAACTCCGGCAAGGGTTCTGG					
55917	55932	55016	58645	CDS product single-stranded DNA-binding protein	55917-55932 4:01:01 GGGGGACGGTAGCGGG
56134	56152	55016	58645	CDS product single-stranded DNA-binding protein	56134-56152 4:01:01
GGACTGGTTGGAGCCATGG					
56230	56265	55016	58645	CDS product single-stranded DNA-binding protein	56230-56265 7:04:01
CCTTCCTACCACCGCTTCTACCTAATAGCCGCTCCC					
56753	56773	55016	58645	CDS product single-stranded DNA-binding protein	56753-56773 4:01:01
GGGCCACGATGGAGCGGCTGG					
56825	56847	55016	58645	CDS product single-stranded DNA-binding protein	56825-56847 5:02:01

CCAGCCCCTGCTCAGCCCCACC						
57271	57291	55016	58645	CDS product single-stranded DNA-binding protein	57271-57291	5:02:01
CCCGCCTCAGAGCCACCCACC						
57393	57424	55016	58645	CDS product single-stranded DNA-binding protein	57393-57424	7:04:01
GGAAGCGGCCAGGGCCAGGGTGGCCGGCATGG						
57401	57426	55016	58645	CDS product single-stranded DNA-binding protein	57401-57426	4:01:01
CCAGGGCCAGGGTGGCCGGCATGGCC						
57566	57590	55016	58645	CDS product single-stranded DNA-binding protein	57566-57590	4:01:01
CCCTGCTCCAGCGCAACCAGATGCC						
58038	58067	55016	58645	CDS product single-stranded DNA-binding protein	58038-58067	6:03:01
GGCAGGCAACTGGAACGGCCTCAACGGCGG						
58149	58171	55016	58645	CDS product single-stranded DNA-binding protein	58149-58171	6:03:01
GGCCGGAGGATTTGGCACGGGGG						
58304	58318	55016	58645	CDS product single-stranded DNA-binding protein	58304-58318	4:01:01 GGATCGGTCTGGTGG
58378	58411	55016	58645	CDS product single-stranded DNA-binding protein	58378-58411	6:03:01
GGAGAGTGGAGCGTGGAGGCTGCCAGGAGCTGG						
58525	58540	55016	58645	CDS product single-stranded DNA-binding protein	58525-58540	4:01:01 GGTGGCCTGGCCATGG
59348	59376	58804	61131	CDS product DNA packaging terminase subunit 2	59348-59376	5:02:01
GGTGGGCAGCGGTATCGTGGTACCCCGG						
59387	59405	58804	61131	CDS product DNA packaging terminase subunit 2	59387-59405	4:01:01
CCCCACCATCCCTGCTCC						
59569	59612	58804	61131	CDS product DNA packaging terminase subunit 2	59569-59612	7:04:01
GGCGCGGCGCGGGAAGCGGCTCTCCGGGCCCTCGAGGCCAGG						

60126	60144	58804	61131	CDS product DNA packaging terminase subunit 2	60126-60144	4:01:01
GGCGCCGGCGAGTTGGGGG						
60560	60590	58804	61131	CDS product DNA packaging terminase subunit 2	60560-60590	6:03:01
CCACCCCATCGACCAGTCCCTCATGCCGTCC						
61029	61053	58804	61131	CDS product DNA packaging terminase subunit 2	61029-61053	5:02:01
GGGGCCATTGGCGCGGAGACGGTGG						
61407	61432	61290	63935	CDS product envelope glycoprotein B	61407-61432	7:04:01 CCTGCCACCGCCTACCGGATCCACC
61629	61649	61290	63935	CDS product envelope glycoprotein B	61629-61649	4:01:01 GGGTTCCGGTTTCACTGGAGG
61787	61813	61290	63935	CDS product envelope glycoprotein B	61787-61813	5:02:01 CCGGGGGCCAGAGCCTGGCAGACCACC
61834	61852	61290	63935	CDS product envelope glycoprotein B	61834-61852	4:01:01 GGGGTGGATGCCATGGAGG
61888	61903	61290	63935	CDS product envelope glycoprotein B	61888-61903	5:02:01 GGAGGTGGAGGCGCGG
61905	61939	61290	63935	CDS product envelope glycoprotein B	61905-61939	6:03:01
CCGTCTACCCCTACGACTCCTTCGCCCTGTCCACC						
62478	62495	61290	63935	CDS product envelope glycoprotein B	62478-62495	4:01:01 CCAACCGCACCTACGACC
62560	62588	61290	63935	CDS product envelope glycoprotein B	62560-62588	6:03:01
CCTGTCCGTACCAGAACCTCAGCCAACCC						
62641	62655	61290	63935	CDS product envelope glycoprotein B	62641-62655	4:01:01 GGAGGCAACGGCAGG
62658	62680	61290	63935	CDS product envelope glycoprotein B	62658-62680	4:01:01 CCGATTCTTCCAACGTCACCGCC
63436	63465	61290	63935	CDS product envelope glycoprotein B	63436-63465	6:03:01
GGGCCTGGGTAAAGTGGGGGAGGCCGTGGG						
63678	63700	61290	63935	CDS product envelope glycoprotein B	63678-63700	5:02:01 CCAAGACTTCCTCCGGCCAGACC
63775	63797	61290	63935	CDS product envelope glycoprotein B	63775-63797	4:01:01 GGTTTCGGCCCTGGAAGCAGG
64177	64200	64137	64616	CDS product protein V32	64177-64200	4:01:01 CCGCACCGAGGCCGAGTTTCCCC

64547	64565	64137	64616	CDS product protein V32	64547-64565 4:01:01 CCCGACACTCCCACCGCCC
64759	64776	64701	65690	CDS product capsid scaffold protein	64759-64776 4:01:01 GGCCGGTGGACGCACTGG
64960	65007	64701	65690	CDS product capsid scaffold protein	64960-65007 8:05:02
GGGTTGGCTGAGAGGGGATTCCTGGTATCTGCGGAGCAAGGATGGCGG					
65052	65071	64701	65690	CDS product capsid scaffold protein	65052-65071 4:01:01 GGAGAAACGGCGGTATGGG
65088	65115	64701	65690	CDS product capsid scaffold protein	65088-65115 5:02:01 GGAGCGGCTTGGGGCTGCGCGGTCACGG
65183	65202	64701	65690	CDS product capsid scaffold protein	65183-65202 5:02:01 GGTGGTGGACGGGCGCCCCG
65484	65512	64701	65690	CDS product capsid scaffold protein	65484-65512 6:03:01
GGCGGCATCAGGGAATTGTAGCCGCGG					
65841	65866	64701	66641	CDS product capsid maturation protease	65841-65866 5:02:01
CCGCATGTGCCTACCAGCTCCGCCCC					
65933	65955	64701	66641	CDS product capsid maturation protease	65933-65955 4:01:01 CCCTTCTATGCCAGCCTCGCGCC
66050	66068	64701	66641	CDS product capsid maturation protease	66050-66068 4:01:01 CCACGTGGCCGCATCCCC
66311	66331	64701	66641	CDS product capsid maturation protease	66311-66331 4:01:01 CCGCTCCTGCTCCGAAAGCCC
66451	66469	64701	66641	CDS product capsid maturation protease	66451-66469 4:01:01 CCTCCCCGACCACACCCC
66507	66537	64701	66641	CDS product capsid maturation protease	66507-66537 5:02:01
GGGGGAAGCGCGGCTGCGACGGTTCCCTGG					
66961	66978	66763	68526	CDS product DNA packaging tegument protein UL25	66961-66978 4:01:01
GGTACCGGGGCGGTCCGG					
67146	67162	66763	68526	CDS product DNA packaging tegument protein UL25	67146-67162 4:01:01
GGCGAGGTATATGGGGG					
67214	67246	66763	68526	CDS product DNA packaging tegument protein UL25	67214-67246 6:03:01
CCATAGCTGCCGCATCTCCCCGCTCGCCCCC					

67611	67622	66763	68526	CDS product DNA packaging tegument protein UL25	67611-67622 4:01:01	CCCCCTCCTCC
67671	67704	66763	68526	CDS product DNA packaging tegument protein UL25	67671-67704 6:03:01	
CCCAACCTTTCCGAGAGTTCCGTCTCCGAGTGCC						
67785	67806	66763	68526	CDS product DNA packaging tegument protein UL25	67785-67806 4:01:01	
GGCGCGATGGGCTAAATGGAGG						
67986	68018	66763	68526	CDS product DNA packaging tegument protein UL25	67986-68018 6:03:01	
CCAGGTCCCGAATACCACCCCGTTGACCCGCC						
68168	68185	66763	68526	CDS product DNA packaging tegument protein UL25	68168-68185 4:01:01	
GGGGTGTGGCGGCGTCGG						
68216	68242	66763	68526	CDS product DNA packaging tegument protein UL25	68216-68242 4:01:01	
GGGCCGCCAGGGCGTCGGCTACCTTGG						
68767	68798	68629	69369	CDS product nuclear protein UL24	68767-68798 5:02:01	
GGCTGCTGGGCTGGCGTTATAGGTTGCACGGG						
69775	69795	69460	70518	CDS product thymidine kinase	69775-69795 5:02:01	CCACGCCCTACCTTATCCTCC
69844	69860	69460	70518	CDS product thymidine kinase	69844-69860 4:01:01	CCAGGCCAGACCTAACC
69872	69893	69460	70518	CDS product thymidine kinase	69872-69893 5:02:01	CCGCCACCCTGTGCGCTCTGCC
69952	69979	69460	70518	CDS product thymidine kinase	69952-69979 5:02:01	CCATGGTCGCCACCCTACCCAGGGAACC
70140	70167	69460	70518	CDS product thymidine kinase	70140-70167 5:02:01	GGGAGAGTCTGGCGTGACGGCTGGGGGG
71030	71047	70743	73301	CDS product envelope glycoprotein H	71030-71047 4:01:01	CCTCCGCAACACCACCCC
71063	71088	70743	73301	CDS product envelope glycoprotein H	71063-71088 4:01:01	CCGGAGCCTGGTGACCCACGCGGACC
71700	71717	70743	73301	CDS product envelope glycoprotein H	71700-71717 4:01:01	GGATTTCCCGGGAGGTGG
71941	71960	70743	73301	CDS product envelope glycoprotein H	71941-71960 5:02:01	CCTCCGCTCATTGTCCCCC
72169	72187	70743	73301	CDS product envelope glycoprotein H	72169-72187 4:01:01	GGTGACCTTGGCGGACCGG

73056	73075	70743	73301	CDS product envelope glycoprotein H	73056-73075 4:01:01	CCATCCCGGCTTTAATCCC
73140	73162	70743	73301	CDS product envelope glycoprotein H	73140-73162 4:01:01	CCGCCTTCGCGTCCTATTCATCC
74304	74323	74168	75760	CDS product tegument protein UL21	74304-74323 4:01:01	CCACCGGTAGGCCGCTTCCC
74340	74361	74168	75760	CDS product tegument protein UL21	74340-74361 5:02:01	CCTGCGCCGCTCCCCGATTCC
74525	74540	74168	75760	CDS product tegument protein UL21	74525-74540 4:01:01	GGATCGGTGGGTGGG
74611	74637	74168	75760	CDS product tegument protein UL21	74611-74637 5:02:01	GGCCACCAGGTGTGGGTCTGGGAGTGG
74803	74824	74168	75760	CDS product tegument protein UL21	74803-74824 4:01:01	CCCCTCGTTGCCGTATACCGCC
74871	74890	74168	75760	CDS product tegument protein UL21	74871-74890 4:01:01	CCAACCCGGGCCACGGTTCC
74951	74978	74168	75760	CDS product tegument protein UL21	74951-74978 4:01:01	CCGCTGGCCACGCGACCCGAAGAATCCC
74989	75013	74168	75760	CDS product tegument protein UL21	74989-75013 4:01:01	GGGCTTTGGAATCAGGCGCACTTGG
75042	75062	74168	75760	CDS product tegument protein UL21	75042-75062 4:01:01	GGGGCGTTTGGAGCACCGGG
75209	75226	74168	75760	CDS product tegument protein UL21	75209-75226 4:01:01	GGGGGTAACCTCGGTTAGG
75631	75651	74168	75760	CDS product tegument protein UL21	75631-75651 4:01:01	GGACGTGGCATGTGGTCGAGG
77560	77590	77244	81374	CDS product major capsid protein	77560-77590 6:03:01	
				CCCACATCCTGTGGACCAGCCTACCCACACC		
77644	77670	77244	81374	CDS product major capsid protein	77644-77670 5:02:01	GGCCGAGGCCCTGGGCCTGATTGGGGG
78006	78019	77244	81374	CDS product major capsid protein	78006-78019 4:01:01	CCCCCTCCGTCGCC
78394	78417	77244	81374	CDS product major capsid protein	78394-78417 4:01:01	CCAGGCGACCAACGTTCCGTACCC
78470	78482	77244	81374	CDS product major capsid protein	78470-78482 4:01:01	CCGGCCACCGACC
78512	78556	77244	81374	CDS product major capsid protein	78512-78556 9:06:02	
				CCAACCCCGGGCAGCCAGACCCTCGCACCTACCCACCCCAAACC		
78705	78733	77244	81374	CDS product major capsid protein	78705-78733 6:03:01	
				CCTACGTGACCCTACCCCCAGCCGGCACC		

78985	79002	77244	81374	CDS product major capsid protein
79373	79395	77244	81374	CDS product major capsid protein
79427	79443	77244	81374	CDS product major capsid protein
79476	79526	77244	81374	CDS product major capsid protein
GGGCCGACATGGGTAGGGCCAGGGCACAGGATCTATGGGTGGACGGGGTGG				
79630	79653	77244	81374	CDS product major capsid protein
79803	79857	77244	81374	CDS product major capsid protein
CCCCAACCAGCCCAAGCGACCCTCGCCATCCGCTGAACCCGCGCCACCTAGTGCC				
79887	79925	77244	81374	CDS product major capsid protein
CCAGAGTTGCCGTCGACACCGACGCCCTGCTACTCCTCC				
80494	80507	77244	81374	CDS product major capsid protein
80532	80556	77244	81374	CDS product major capsid protein
80710	80733	77244	81374	CDS product major capsid protein
80775	80791	77244	81374	CDS product major capsid protein
80942	80973	77244	81374	CDS product major capsid protein
CCGGCCTACCCAAGCCGCGCCACCGTTAACCC				
81188	81209	77244	81374	CDS product major capsid protein
81656	81680	81621	82565	CDS product capsid triplex subunit 2
CCCAGTGACCTATCTCCCGCTGACC				
82074	82097	81621	82565	CDS product capsid triplex subunit 2
82202	82220	81621	82565	CDS product capsid triplex subunit 2
82277	82301	81621	82565	CDS product capsid triplex subunit 2
CCCAACCTGCTTACCCTGGGAACCC				

78985-79002	5:02:01	CCCCCTCCCCCTATGTCC
79373-79395	4:01:01	GGGAAGCCGTGGGAGGCCAGGG
79427-79443	4:01:01	CCGGCCCTGCTACCGCC
79476-79526	9:06:02	
79630-79653	4:01:01	CCCGATTGTGCCTCACCACGACCC
79803-79857	10:07:02	
79887-79925	6:03:01	
80494-80507	4:01:01	GGCGTTGGGGGGG
80532-80556	5:02:01	GGGCTAACGTGGACTTGGGGGTTGG
80710-80733	4:01:01	CCTGGGGCCCCAGGGACCCAGGCC
80775-80791	4:01:01	CCCACGGCCAGGCCGCC
80942-80973	7:04:01	
81188-81209	4:01:01	GGCTCGACGGACCTGGTTGAGG
81656-81680	4:01:01	
82074-82097	5:02:01	GGCTGGTGGCGCGCGGTTTCAGG
82202-82220	4:01:01	GGCGTGGCGGGTCTCTGG
82277-82301	4:01:01	

82357	82389	81621	82565	CDS product capsid triplex subunit 2	82357-82389 6:03:01
CCAGCTCGTCCACCAGCAGCCCGTACCCCAACC					
82719	82740	82687	88447	CDS product DNA packaging terminase subunit 1	82719-82740 6:03:01
GGTTGGTGGGAGGCTGGACAGG					
83315	83334	82687	88447	CDS product DNA packaging terminase subunit 1	83315-83334 4:01:01
CCACACCGGTTCTGAAGCC					
83953	83984	82687	88447	CDS product DNA packaging terminase subunit 1	83953-83984 6:03:01
CCTGCTACCCGGTTCATACCCCGGCGTACC					
84149	84178	84016	86136	CDS product DNA packaging tegument protein UL17	84149-84178 6:03:01
CCGCCATAGAGCCAGCCCATCCGCGGCTCC					
84291	84313	84016	86136	CDS product DNA packaging tegument protein UL17	84291-84313 4:01:01
CCGACAGTTCCTGCTGACCAACC					
84430	84449	84016	86136	CDS product DNA packaging tegument protein UL17	84430-84449 4:01:01
CCGACGACCCACGGACCACC					
85017	85040	84016	86136	CDS product DNA packaging tegument protein UL17	85017-85040 4:01:01
CCCCCTCAGGGACCCAGGAGCCCC					
85102	85119	84016	86136	CDS product DNA packaging tegument protein UL17	85102-85119 4:01:01
CCAACCCACTCACCCCCC					
85270	85284	84016	86136	CDS product DNA packaging tegument protein UL17	85270-85284 4:01:01 GGGGGGGTCGGAGGG
85437	85451	84016	86136	CDS product DNA packaging tegument protein UL17	85437-85451 4:01:01 CCACCACCCGTGGCC
85501	85518	84016	86136	CDS product DNA packaging tegument protein UL17	85501-85518 4:01:01
CCTGTGTTTCCGCCCTCC					
86198	86228	86156	87265	CDS product tegument protein UL16	86198-86228 6:03:01

CCGCGTCCTCTCCCAACGCGCACTAACCCC					
86359	86397	86156	87265	CDS product tegument protein UL16	86359-86397 7:04:01
CCGCCCCCGGCCAAGCTCACCACACAGCCAAGTGCGCC					
86518	86550	86156	87265	CDS product tegument protein UL16	86518-86550 6:03:01
CCCTTTCCCGTGGGCCCCCAGAGATTCCGCGCC					
86581	86600	86156	87265	CDS product tegument protein UL16	86581-86600 4:01:01 CCGTCCGACGTACCGAACCC
86703	86721	86156	87265	CDS product tegument protein UL16	86703-86721 4:01:01 GGCTCCTGGCGTCTGGTGG
87087	87110	86156	87265	CDS product tegument protein UL16	87087-87110 4:01:01 GGTCGTGGGAATAGGGCCGCACGG
87136	87151	86156	87265	CDS product tegument protein UL16	87136-87151 4:01:01 GGATGGAACTGGTGG
87973	88003	82687	88447	CDS product DNA packaging terminase subunit 1	87973-88003 5:02:01
GGCTACTTGGTGAAAGGCGTCTGAGGAGCGG					
88098	88129	82687	88447	CDS product DNA packaging terminase subunit 1	88098-88129 5:02:01
CCTGTGGAACCTTGGGGTCCACGTAGGCCTCC					
88123	88141	82687	88447	CDS product DNA packaging terminase subunit 1	88123-88141 4:01:01
GGCCTCCACGGAGGACGGG					
88262	88293	82687	88447	CDS product DNA packaging terminase subunit 1	88262-88293 6:03:01
GGAACGACGGTCTGGTGGCGCTGGGGAGTAGG					
88386	88402	82687	88447	CDS product DNA packaging terminase subunit 1	88386-88402 4:01:01
CCTCCCTCCGCAGCGCC					
88422	88440	82687	88447	CDS product DNA packaging terminase subunit 1	88422-88440 4:01:01
CCCTGCCCAGCACCTACC					
88487	88508	88477	89433	CDS product tegument protein UL14	88487-88508 4:01:01 GGCACGGTCTAGGCGCCAAAGG
88866	88885	88477	89433	CDS product tegument protein UL14	88866-88885 6:03:01 GGAGGCGGCGGTGAGGTCCG

88982	89014	88477	89433	CDS product tegument protein UL14	88982-89014	5:02:01	
CCCTCATTCTCCCCGCTCGACCTGTCCCGCCCC							
89303	89335	88477	89433	CDS product tegument protein UL14	89303-89335	7:04:01	
GGTCGGCCCCGGCCGATCAGGAATGGCTGGGTGG							
89585	89609	88899	90686	CDS product tegument serine/threonine protein kinase	89585-89609	5:02:01	
GGAGGCGCCGGTAGCTACGGAGAGG							
89845	89858	88899	90686	CDS product tegument serine/threonine protein kinase	89845-89858	4:01:01	
CCCCCCTCCGTCC							
90416	90438	88899	90686	CDS product tegument serine/threonine protein kinase	90416-90438	5:02:01	
CCCGCCCTCTTTCCACCAACCCC							
90584	90598	88899	90686	CDS product tegument serine/threonine protein kinase	90584-90598	4:01:01	
CCGTCCGCCTTTACC							
90936	90954	90668	92365	CDS product deoxyribonuclease	90936-90954	5:02:01	CCGTCCGCTCCCCCATAAC
91005	91043	90668	92365	CDS product deoxyribonuclease	91005-91043	6:03:01	
GGTAGGAGAAATGGAGCTAGAGGGGATCGTGGAACGCGG							
91077	91094	90668	92365	CDS product deoxyribonuclease	91077-91094	4:01:01	GGCTGGCTTTGCGGCAGG
91121	91140	90668	92365	CDS product deoxyribonuclease	91121-91140	4:01:01	CCAAAACCATGTCCCTGGCC
91401	91439	90668	92365	CDS product deoxyribonuclease	91401-91439	7:04:01	
GGCGGCGACCCCGGACCTACTGGTGGATCCGGGATACGG							
91519	91549	90668	92365	CDS product deoxyribonuclease	91519-91549	4:01:01	GGCGTCGTTGGGGCGTCCTTGATATGCTGG
91953	91993	90668	92365	CDS product deoxyribonuclease	91953-91993	6:03:01	
GGCCCGCTGGGACACAGGAGATTGGCTCTGTCGGTTCCGG							
92054	92084	90668	92365	CDS product deoxyribonuclease	92054-92084	7:04:01	CCGGCCATTTTCCCGACCACCAACTCCGTCC

92235	92263	90668	92365	CDS product deoxyribonuclease	92235-92263 4:01:01 GGTGATTGTGGACCGCGAGGGTTGCTGGG
92436	92459	92317	92538	CDS product myristylated tegument protein	92436-92459 6:03:01
CCCCCACCACCACTTAAACCC					
93181	93205	92650	94002	CDS product envelope glycoprotein M	93181-93205 4:01:01 CCCACGGCAACCGTTACCGTTTGCC
93305	93324	92650	94002	CDS product envelope glycoprotein M	93305-93324 4:01:01 CCGCGCGTCCGGGTCCGGCC
93340	93357	92650	94002	CDS product envelope glycoprotein M	93340-93357 4:01:01 GGTAGGTTGGTCTTTAGG
93455	93471	92650	94002	CDS product envelope glycoprotein M	93455-93471 4:01:01 CCGCCCCAGGACTGCC
94026	94043	93920	96583	CDS product DNA replication origin-binding helicase	94026-94043 4:01:01
GGGCGGCAAAGCGGAAGG					
94108	94129	93920	96583	CDS product DNA replication origin-binding helicase	94108-94129 5:02:01
GGGGGCGACCTGGAGGAGTGGG					
94189	94209	93920	96583	CDS product DNA replication origin-binding helicase	94189-94209 5:02:01
CCCCGCCCCAACAACCCGTCC					
94650	94676	93920	96583	CDS product DNA replication origin-binding helicase	94650-94676 5:02:01
GGTGGATTTTTGGCTTCGGCGCGTGG					
95073	95087	93920	96583	CDS product DNA replication origin-binding helicase	95073-95087 4:01:01
GGTGGTAACGGTGGG					
95787	95818	93920	96583	CDS product DNA replication origin-binding helicase	95787-95818 6:03:01
CCTCGGCGCCTGCCTGCGCCTCCCCGCGGCCC					
96542	96562	93920	96583	CDS product DNA replication origin-binding helicase	96542-96562 4:01:01
GGCCACAGGTTTACGGGGCGG					
96833	96868	96595	98850	CDS product helicase-primase subunit	96833-96868 5:02:01
GGCTGTGCCGGGTGCTGGCCCTTGGCTCCCCTGGG					

96994	97007	96595	98850	CDS product helicase-primase subunit
97017	97033	96595	98850	CDS product helicase-primase subunit
97638	97657	96595	98850	CDS product helicase-primase subunit
97679	97719	96595	98850	CDS product helicase-primase subunit
GGCTCCATGGGAACCGGAAGATAGGTGGCCCGGTGAATCGG				
97729	97751	96595	98850	CDS product helicase-primase subunit
97769	97791	96595	98850	CDS product helicase-primase subunit
97937	97950	96595	98850	CDS product helicase-primase subunit
97997	98030	96595	98850	CDS product helicase-primase subunit
CCCCGTGGCCTATAGGTCCATCATAGCCCTCGCC				
98103	98122	96595	98850	CDS product helicase-primase subunit
98370	98391	96595	98850	CDS product helicase-primase subunit
99083	99108	98946	99857	CDS product tegument protein UL7
99589	99607	98946	99857	CDS product tegument protein UL7
99668	99694	98946	99857	CDS product tegument protein UL7
100286	100305	99655	101916	CDS product capsid portal protein
100328	100370	99655	101916	CDS product capsid portal protein
CCTCGTGCCCTAGTCCTCCTGCGCCAGCCTTGGCGCCACTCCC				
100408	100422	99655	101916	CDS product capsid portal protein
100487	100518	99655	101916	CDS product capsid portal protein
CCAAAAGCCCGCTATTCCCGGCCCTCAGGTCC				
100549	100571	99655	101916	CDS product capsid portal protein
100832	100872	99655	101916	CDS product capsid portal protein

96994-97007	4:01:01	CCCTCCGACCGGCC
97017-97033	5:02:01	GGTGAAGCGGTGGCGG
97638-97657	4:01:01	GGGCTGTGGCCGGCTCTAGG
97679-97719	7:04:01	
97729-97751	4:01:01	GGGTAGATGGGGTGGCACACAGG
97769-97791	6:03:01	GGATGGTTGGGGGGCAGGGAGGG
97937-97950	4:01:01	CCACCACCCACCC
97997-98030	5:02:01	
98103-98122	4:01:01	GGCTTTTGGGGGGCAGCTGG
98370-98391	4:01:01	GGGGCCGGCAGGGCCCAAAGG
99083-99108	4:01:01	GGGACATGGGGTAGTGGGCTTTTGG
99589-99607	5:02:01	CCTCCGAGCCCTCCTGGCC
99668-99694	5:02:01	GGTCGTAAAGAGGGGGCAAGCCTGG
100286-100305	4:01:01	CCACGTAGCCATCCTCTCCC
100328-100370	8:05:02	
100408-100422	4:01:01	CCGTCGGCCGCCGCC
100487-100518	5:02:01	
100549-100571	4:01:01	CCCTCCAGCATTCCGTTAATGCC
100832-100872	7:04:01	

CCACGGCCTTGAGGCCCACCCGGGCCCTGGGCCTCGTCC		
101123 101182 99655 101916 CDS product capsid portal protein	101123-101182	11:08:02
CCATGATTGCCACGCTGGCCGTGCACCTGGCCAGCTCCACCACGGCCTCCAGCCCCCTCC		
101284 101305 99655 101916 CDS product capsid portal protein	101284-101305	5:02:01 GGGTGGACGGTTGCGCCGGGGG
101364 101387 99655 101916 CDS product capsid portal protein	101364-101387	4:01:01 GGCAAAGCTGGCGGTGCCGTCGGG
101645 101659 99655 101916 CDS product capsid portal protein	101645-101659	4:01:01 CCGCCTCCGTTGACC
101783 101800 99655 101916 CDS product capsid portal protein	101783-101800	4:01:01 CCTCCTACCCGGACTCC
101977 101991 101900 104545 CDS product helicase-primase helicase subunit	101977-101991	4:01:01
CCGCCTCGCCCCGCC		
102323 102343 101900 104545 CDS product helicase-primase helicase subunit	102323-102343	4:01:01
CCTCGGCCTTCACAGCCCCGCC		
102425 102440 101900 104545 CDS product helicase-primase helicase subunit	102425-102440	4:01:01
CCTCGAGCCCGCCTCC		
102750 102769 101900 104545 CDS product helicase-primase helicase subunit	102750-102769	4:01:01
GGATGGGAAGGTTCCCGTGG		
103065 103080 101900 104545 CDS product helicase-primase helicase subunit	103065-103080	4:01:01
CCCCGCCAACCTTCCC		
103603 103645 101900 104545 CDS product helicase-primase helicase subunit	103603-103645	8:05:02
GGGTTGGACGAGGGGAGGGTTCGGGAGGCGTACAGGCGCATGG		
103750 103780 101900 104545 CDS product helicase-primase helicase subunit	103750-103780	5:02:01
GGATCTACGGGCGGGCTACAGGCGACTGGG		
104247 104287 101900 104545 CDS product helicase-primase helicase subunit	104247-104287	7:04:01
GGAGTCGGTGGACGACGTGGAGCTGGACATGGCCACCGCGG		

104797	104817	104595	105269	CDS product nuclear protein UL4	104797-104817	4:01:01	GGCATTGGTGCTGGACTGCGG
104866	104878	104595	105269	CDS product nuclear protein UL4	104866-104878	4:01:01	CCCCCTGACCACC
104881	104900	104595	105269	CDS product nuclear protein UL4	104881-104900	5:02:01	GGACGGGTCGGTGCTGGTGG
105068	105091	104595	105269	CDS product nuclear protein UL4	105068-105091	5:02:01	CCTACCGTATGTTCCACCGCTGCC
105105	105131	104595	105269	CDS product nuclear protein UL4	105105-105131	5:02:01	CCGAGTCCGAGCCCTTATACGCCGACC
105239	105259	104595	105269	CDS product nuclear protein UL4	105239-105259	4:01:01	CCGTGTTTCCCTGCCTCTCC
105461	105477	105399	105947	CDS product protein V57	105461-105477	4:01:01	GGTGGATGTGGGCTGGG
105508	105535	105399	105947	CDS product protein V57	105508-105535	5:02:01	CCTCGCCGCGGCTGCCGCTCCGTCGCC
105667	105736	105399	105947	CDS product protein V57	105667-105736	11:08:02	
CCATGGCCAGCGCCCCGAGCGTTCCAGAAGGCCTCTCCAAGCTAGCCAGCGGTCCGTCGCCACCCGCTCC							
106299	106318	106009	106647	CDS product nuclear protein UL3	106299-106318	4:01:01	GGAGAACGAGGAGGTCTTGG
106475	106496	106009	106647	CDS product nuclear protein UL3	106475-106496	4:01:01	GGGATTCTACGGATAGGTCGGG
106507	106525	106009	106647	CDS product nuclear protein UL3	106507-106525	4:01:01	GGGGTTGGGGTGGAAGTGG
106608	106619	106009	106647	CDS product nuclear protein UL3	106608-106619	4:01:01	CCACCCCCACCC
106881	106905	106737	107678	CDS product uracil-DNA glycosylase	106881-106905	4:01:01	
GGTGAGCAGGACTTCTGGGCGTGGG							
106960	106985	106737	107678	CDS product uracil-DNA glycosylase	106960-106985	5:02:01	
CCGCCCTGACTAGCCTGTGCCACCCC							
107047	107077	106737	107678	CDS product uracil-DNA glycosylase	107047-107077	5:02:01	
CCCCCTGTTCTGCCCCACTTTTCCAGAAACCC							
107448	107466	106737	107678	CDS product uracil-DNA glycosylase	107448-107466	4:01:01	GGGTGGGTGGACACGCTGG
107565	107589	106737	107678	CDS product uracil-DNA glycosylase	107565-107589	5:02:01	
GGCCGGCCTGGTTCGCTGGTTGGGG							

110080 110111 110076 111677 CDS product ubiquitin E3 ligase ICP0 GGTTCCTCCGGTATCTTTGGCAGTTGTGGGGG	110080-110111 5:02:01
110315 110336 110076 111677 CDS product ubiquitin E3 ligase ICP0 CCCCCGAAGATCCCTGCACCC	110315-110336 4:01:01
110394 110417 110076 111677 CDS product ubiquitin E3 ligase ICP0 CCCATACCCCAGCGACCGGAGCCC	110394-110417 4:01:01
110529 110554 110076 111677 CDS product ubiquitin E3 ligase ICP0 GGTGCAACAGGTTGGTCCCTGGGGGG	110529-110554 5:02:01
110612 110629 110076 111677 CDS product ubiquitin E3 ligase ICP0	110612-110629 4:01:01 GGCAGGTGGGGATGAGGG
110630 110645 110076 111677 CDS product ubiquitin E3 ligase ICP0	110630-110645 4:01:01 CCCC GCCTCCTCTTCC
110667 110679 110076 111677 CDS product ubiquitin E3 ligase ICP0	110667-110679 4:01:01 GGCTGGTCGGTGG
110767 110795 110076 111677 CDS product ubiquitin E3 ligase ICP0 GGGTGCGGGGTTGGTTCTTCTGGGCTGG	110767-110795 6:03:01
110870 110884 110076 111677 CDS product ubiquitin E3 ligase ICP0	110870-110884 4:01:01 GGTTGGTGGCCCCGGG
110914 110932 110076 111677 CDS product ubiquitin E3 ligase ICP0	110914-110932 4:01:01 GCGGGGTGCGGGTGCTGG
111304 111327 110076 111677 CDS product ubiquitin E3 ligase ICP0 GGGGTTGCAGGCGGGGAGCCCCGG	111304-111327 4:01:01
113516 113551 113498 117925 CDS product transcriptional regulator ICP4 CCCCAGTCTCCACCGTCCTCGTCGTCGACACCACC	113516-113551 7:04:01
113563 113615 113498 117925 CDS product transcriptional regulator ICP4 GGGAGCGCGGCGGAGGGCCTGGGCCGCGCCGGGGCTAGGGCCGGGTGGTCTCGG	113563-113615 10:07:02
113616 113640 113498 117925 CDS product transcriptional regulator ICP4 CCACCAGCTCCACGTCGCCGGCCCC	113616-113640 5:02:01

113747	113778	113498	117925	CDS product transcriptional regulator ICP4 GGGGCCCCGGCGGGGAGCCTCGGTGATGGG	113747-113778	6:03:01
113787	113808	113498	117925	CDS product transcriptional regulator ICP4 GGGGTCCGGCCTCGGCGTCGGG	113787-113808	4:01:01
113862	113895	113498	117925	CDS product transcriptional regulator ICP4 CCGAGGGCTCCACGGCCCCGGCTCCGCGCCGGCC	113862-113895	6:03:01
113892	113914	113498	117925	CDS product transcriptional regulator ICP4 GGCCGCAGGCGAGGTACACGGGG	113892-113914	4:01:01
113923	113956	113498	117925	CDS product transcriptional regulator ICP4 GGCCCCGAGGCCCCAGCGGTTGCCGCGCGGTGG	113923-113956	6:03:01
114071	114089	113498	117925	CDS product transcriptional regulator ICP4 GGAGGCAGGGGGACGCGGG	114071-114089	5:02:01
114243	114264	113498	117925	CDS product transcriptional regulator ICP4 GGCTGAGGTGGCGCTCCCGGGG	114243-114264	4:01:01
114338	114355	113498	117925	CDS product transcriptional regulator ICP4 CCGTCCTGGGGCCAGTCC	114338-114355	4:01:01
114394	114418	113498	117925	CDS product transcriptional regulator ICP4 GGCGGAGCCCAGGCGGAGGCAGAGG	114394-114418	6:03:01
114433	114485	113498	117925	CDS product transcriptional regulator ICP4 GGTGAAGGCCAGGTCCCCGGTGGAGAGGAGCAGGACCCCTGGGCGTTGAGGG	114433-114485	9:06:02
114486	114521	113498	117925	CDS product transcriptional regulator ICP4 CCGAGACGTCCGGGGCTCCGGTCCAGTTGCCGGCCC	114486-114521	6:03:01
114517	114560	113498	117925	CDS product transcriptional regulator ICP4	114517-114560	7:04:01

GGCCCAGGCGTGGGACCGCTTGGTGAGGACGCGGTTCCCCAGGG		
114553 114586 113498 117925 CDS product transcriptional regulator ICP4	114553-114586	6:03:01
CCCCAGGGCCGCCAGCAGCGCCGAGAGTCCCCC		
114625 114640 113498 117925 CDS product transcriptional regulator ICP4	114625-114640	4:01:01 GGGGCGGGCGGCCGGG
114684 114700 113498 117925 CDS product transcriptional regulator ICP4	114684-114700	4:01:01
CCACCACCTTCACGTCC		
114779 114798 113498 117925 CDS product transcriptional regulator ICP4	114779-114798	4:01:01
CCGTCCCTGGCCGGGGTCC		
114807 114842 113498 117925 CDS product transcriptional regulator ICP4	114807-114842	6:03:01
GGGCCGCGATGGTGGCTAGGGCTGGGGATCGAAGG		
114851 114880 113498 117925 CDS product transcriptional regulator ICP4	114851-114880	5:02:01
GGGCGCCAGGCCTCGGGGAACAGCGGGTGG		
114904 114926 113498 117925 CDS product transcriptional regulator ICP4	114904-114926	4:01:01
GGGGGACAGTAGGCTGCGCAGG		
114990 115049 113498 117925 CDS product transcriptional regulator ICP4	114990-115049	11:08:02
GGTCGGGGCCCTCGGCGGGCATGGGTCCCAGGGCCCGGGAGCCTGGTGGCCCTGGGTGG		
115016 115055 113498 117925 CDS product transcriptional regulator ICP4	115016-115055	6:03:01
CCCAGGGCCCGGGAGCCTGGTGGCCCTGGGTGGCCACCC		
115063 115075 113498 117925 CDS product transcriptional regulator ICP4	115063-115075	4:01:01 GGGGGCAGGAGGG
115110 115133 113498 117925 CDS product transcriptional regulator ICP4	115110-115133	5:02:01
GGGCGGACGAGGAGAAGCCGGGG		
115128 115150 113498 117925 CDS product transcriptional regulator ICP4	115128-115150	5:02:01
CCGGGGCTCCAGCCTGGGCCGCC		

115143	115166	113498	117925	CDS product transcriptional regulator ICP4 GGGCCCGCGCTCTAGGGGCTCGG	115143-115166	4:01:01
115171	115200	113498	117925	CDS product transcriptional regulator ICP4 CCGCTTGCCGCTCTTGCCCCGGGGCGCCC	115171-115200	4:01:01
115251	115274	113498	117925	CDS product transcriptional regulator ICP4 GGCTGAGGTGGGCCGGGGAGGCGG	115251-115274	6:03:01
115311	115358	113498	117925	CDS product transcriptional regulator ICP4 GGGAGCGGGCGCTGGTCTGGGTGGCCGGGAGCAGGTGGCTGTCGCGG	115311-115358	9:06:02
115377	115397	113498	117925	CDS product transcriptional regulator ICP4 GGGAGTGCTGGGGGACTGGG	115377-115397	4:01:01
115433	115459	113498	117925	CDS product transcriptional regulator ICP4 GGGACGGTGGGCCACAGGGCGGAAGG	115433-115459	6:03:01
115462	115482	113498	117925	CDS product transcriptional regulator ICP4 CCCCTCCGCGCCGAGGAGCC	115462-115482	4:01:01
115471	115498	113498	117925	CDS product transcriptional regulator ICP4 GGCCGAGGAGCCGGAGAAGGGCTGCTGG	115471-115498	5:02:01
115513	115535	113498	117925	CDS product transcriptional regulator ICP4 GGGGGAAGACGAGGAGGGCTGGG	115513-115535	5:02:01
115544	115565	113498	117925	CDS product transcriptional regulator ICP4 GGTGGGGCTAGCAGGGACACGG	115544-115565	4:01:01
115566	115588	113498	117925	CDS product transcriptional regulator ICP4 CCTCCCCAACATCCCCCGACC	115566-115588	6:03:01
115609	115655	113498	117925	CDS product transcriptional regulator ICP4	115609-115655	8:05:02

GGCCTGGGTGACGGTCCAGGCCGAGGCCGGGGCCGGGGCCCCCTCGG		
115624 115651 113498 117925 CDS product transcriptional regulator ICP4 CCAGGCCGAGGCCGGGGCCGGGGCCCC	115624-115651	6:03:01
115729 115750 113498 117925 CDS product transcriptional regulator ICP4 GGCGCCAGGCGGTGGGTAGGG	115729-115750	5:02:01
115752 115790 113498 117925 CDS product transcriptional regulator ICP4 CCGAGTCCCCGAGGAGCCTGGCCCGCTCGACCAGGTCCC	115752-115790	6:03:01
115812 115831 113498 117925 CDS product transcriptional regulator ICP4 CCGCCGTCTCCAGCCCCGCC	115812-115831	5:02:01
115852 115873 113498 117925 CDS product transcriptional regulator ICP4 GGGAGGGCAGGCGGGAGAGGGG	115852-115873	5:02:01
115917 115931 113498 117925 CDS product transcriptional regulator ICP4	115917-115931	4:01:01 GGAGGCGCAGGAGGG
115990 116039 113498 117925 CDS product transcriptional regulator ICP4 GGCGGACGGCCTGGGTGCCCTGGTACCCGGAGCGGCAGCGCCGCGGCGG	115990-116039	10:07:02
116088 116118 113498 117925 CDS product transcriptional regulator ICP4 GGACGCGGACCGAGGCCGCCGGGGGCTCGGG	116088-116118	6:03:01
116129 116179 113498 117925 CDS product transcriptional regulator ICP4 CCGGCCGCTGCCGCGGCGGCCTGGGCCGGGTAGCCGGCCGAGACCCCGGCC	116129-116179	9:06:02
116143 116165 113498 117925 CDS product transcriptional regulator ICP4 GGCGGCCTGGGCCGGGTAGCCGG	116143-116165	5:02:01
116196 116209 113498 117925 CDS product transcriptional regulator ICP4	116196-116209	4:01:01 CCGGCCTCCCCGCC
116247 116260 113498 117925 CDS product transcriptional regulator ICP4	116247-116260	4:01:01 GGAGGCTCTGGAGG
116280 116312 113498 117925 CDS product transcriptional regulator ICP4	116280-116312	6:03:01

GGTCGTAGCGGCGGCTCATGGCCACCGAGGCGG		
116342 116361 113498 117925 CDS product transcriptional regulator ICP4	116342-116361	4:01:01
CCGGCCGCCATGGCATCCCC		
116367 116381 113498 117925 CDS product transcriptional regulator ICP4	116367-116381	4:01:01 GGGCAGGGGGTTGG
116634 116667 113498 117925 CDS product transcriptional regulator ICP4	116634-116667	6:03:01
CCCACAGCCCGTCCCGCGAGTCCCGGTCCCCC		
116697 116718 113498 117925 CDS product transcriptional regulator ICP4	116697-116718	4:01:01
CCGACCCGGGCCAGGGGTCCCC		
116704 116726 113498 117925 CDS product transcriptional regulator ICP4	116704-116726	4:01:01
GGGCCAGGGGTCCCCGACGGGG		
116769 116782 113498 117925 CDS product transcriptional regulator ICP4	116769-116782	4:01:01 CCACCGGGGCCGCC
116791 116804 113498 117925 CDS product transcriptional regulator ICP4	116791-116804	4:01:01 GGAGGCGGCCTGGG
116817 116851 113498 117925 CDS product transcriptional regulator ICP4	116817-116851	6:03:01
CCAGCAAGTCCCAAGAGGCCGTCCGCGGGGCCTCC		
116858 116891 113498 117925 CDS product transcriptional regulator ICP4	116858-116891	6:03:01
GGTGCCTGGGTCTGGGGTATGGGTCTGGGGTTGG		
116957 116973 113498 117925 CDS product transcriptional regulator ICP4	116957-116973	4:01:01
GGGCTCCGGCCCCGGCGG		
117068 117079 113498 117925 CDS product transcriptional regulator ICP4	117068-117079	4:01:01 GGAGGGAGGAGG
117089 117145 113498 117925 CDS product transcriptional regulator ICP4	117089-117145	10:07:02
GGGCGGCTGGGCGGGCGGGCGGGCGCACCCGAGAAGCGGCCCGGAGCGG		
117155 117178 113498 117925 CDS product transcriptional regulator ICP4	117155-117178	5:02:01
GGGGTGGCGGCCCCGCGCCCGGG		

117190 117240 113498 117925 CDS product transcriptional regulator ICP4 GGAGGACGGCCCGGAGAGCCGGCGCCGACGGGTCTTCGCGGCGTCCGG	117190-117240 9:06:02
117264 117276 113498 117925 CDS product transcriptional regulator ICP4	117264-117276 4:01:01 CCTCCTCGCCGCC
117324 117355 113498 117925 CDS product transcriptional regulator ICP4 CCCCGGCACCATCCGCCTGGTCGTCCGCGTCC	117324-117355 6:03:01
117397 117426 113498 117925 CDS product transcriptional regulator ICP4 CCGGACCCGGGGCGCCGGGACCTCCACC	117397-117426 6:03:01
117428 117479 113498 117925 CDS product transcriptional regulator ICP4 GGGGAGGCCGAGGGTGGAACTCGGGCTGCGGGGACCCGGGGCAGGTCTCGG	117428-117479 9:06:02
117498 117522 113498 117925 CDS product transcriptional regulator ICP4 CCGGGTCGGCCGCGTCCCCGCCGCC	117498-117522 5:02:01
117523 117547 113498 117925 CDS product transcriptional regulator ICP4 GGATGATGAGGAGCCCGTGCCCCGG	117523-117547 4:01:01
117536 117565 113498 117925 CDS product transcriptional regulator ICP4 CCCGTGGCCCGGCGACCGTTCCCCGGGGCC	117536-117565 5:02:01
117560 117577 113498 117925 CDS product transcriptional regulator ICP4 GGGGCCACGGAGGAGTGG	117560-117577 4:01:01
117605 117672 113498 117925 CDS product transcriptional regulator ICP4 GGAGCCGGGCTGGGTGCCGGGACGCCGGCTGGGCGGCCGCCGGGTAGGAGGACCTCCGGCAGCGGG	117605-117672 12:09:03
117676 117693 113498 117925 CDS product transcriptional regulator ICP4 CCGCTTCGCCTTCCCTCC	117676-117693 4:01:01
117696 117724 113498 117925 CDS product transcriptional regulator ICP4 GGGGCTCGGGAGCCGGGGACGGCGGGGGG	117696-117724 6:03:01

117759 117783 113498 117925 CDS product transcriptional regulator ICP4 CCACCCCGAACATGCCCTGGCTGCC	117759-117783 4:01:01
117792 117812 113498 117925 CDS product transcriptional regulator ICP4 GGTCGGGCGCGGCGGGCTGGG	117792-117812 5:02:01
117826 117853 113498 117925 CDS product transcriptional regulator ICP4 GGCCGCGCTGGCTGCGCGGATGAGGGGG	117826-117853 5:02:01
120696 120728 120623 121498 CDS product regulatory protein ICP22 CCCCATCATCCCGTCCCTGACCCCTCCCCCCC	120696-120728 7:04:01
120738 120757 120623 121498 CDS product regulatory protein ICP22	120738-120757 4:01:01 CCCGTCCCCACGCTCCAGCC
120788 120821 120623 121498 CDS product regulatory protein ICP22 GGCTCCCAGGCGGCTCGGACCATCCGGAATACGG	120788-120821 6:03:01
120826 120870 120623 121498 CDS product regulatory protein ICP22 CCGCTCTCCCCACGGGCCCTGCGCCCGTACCTGGCCCGGGGGCCC	120826-120870 7:04:01
120858 120874 120623 121498 CDS product regulatory protein ICP22	120858-120874 4:01:01 GGCCCGGGGGCCCGGGG
120950 120972 120623 121498 CDS product regulatory protein ICP22 CCACCTCCTCGATCCACGTGACC	120950-120972 5:02:01
121149 121180 120623 121498 CDS product regulatory protein ICP22 CCTGGATCCACCGAGCGACCCCCGAATACCC	121149-121180 6:03:01
121227 121252 120623 121498 CDS product regulatory protein ICP22 GGAGGAGGAAGACGAGGCCAGCGGGG	121227-121252 5:02:01
121317 121330 120623 121498 CDS product regulatory protein ICP22	121317-121330 4:01:01 GGACGTGGGGGAGG
121407 121434 120623 121498 CDS product regulatory protein ICP22 CCACCCACAACCCGCGCCAGCGCTGCC	121407-121434 5:02:01

123295	123316	123290	124099	CDS product virion protein V67	123295-123316	4:01:01	GGCCACGGGGGCGTCTTCGGGG
123339	123388	123290	124099	CDS product virion protein V67	123339-123388	8:05:02	
GGCTGCGCGGCTGCCTGGACCCTCTGGAGTGGGGTCCGGGGAGCTCTGG							
123532	123554	123290	124099	CDS product virion protein V67	123532-123554	5:02:01	GGCTATGGCGGGGGGAACCTTGG
123595	123611	123290	124099	CDS product virion protein V67	123595-123611	4:01:01	GGCATCGGCGGCGTCGG
123633	123652	123290	124099	CDS product virion protein V67	123633-123652	4:01:01	CCGCGGGTTCCCTCCTCGCCC
123668	123695	123290	124099	CDS product virion protein V67	123668-123695	6:03:01	GGGTAGAGGAACGGCAGGCGGACGAAGG
123736	123752	123290	124099	CDS product virion protein V67	123736-123752	4:01:01	GGGAGCGGCAGGCGCG
123765	123790	123290	124099	CDS product virion protein V67	123765-123790	7:04:01	CCTCTCCGGCCACCACCCCTCGACC
123939	123963	123290	124099	CDS product virion protein V67	123939-123963	6:03:01	CCCCCTTGGGCGCCCCCTCGCCGCC
124008	124033	123290	124099	CDS product virion protein V67	124008-124033	6:03:01	GGTGGGGCGGGTTGGCATTGCGGCGG
124060	124076	123290	124099	CDS product virion protein V67	124060-124076	5:02:01	GGTGCCGGCGGTGGCGG
124340	124406	124273	125163	CDS product virion protein US2	124340-124406	13:10:03	
GGCGGGCGGCCGCGGCCCGGGGCCCCGGGGTGGGGCGTCTCGGTGGCGGATCGAGGGGGCGTGGG							
124437	124469	124273	125163	CDS product virion protein US2	124437-124469	8:05:02	
CCCCCCTCCGACGGCCGCCGCGCTGCCGCC							
125374	125396	125299	126450	CDS product serine/threonine protein kinase US3	125374-125396	6:03:01	
CCACACCCCGCTGCCACCTACC							
126675	126708	126572	127807	CDS product envelope glycoprotein G	126675-126708	7:04:01	
CCACCCACCAAACACCCAGCCGAACGTCCACCC							
126907	126921	126572	127807	CDS product envelope glycoprotein G	126907-126921	4:01:01	CCCTCCCCGAGACC
127172	127191	126572	127807	CDS product envelope glycoprotein G	127172-127191	4:01:01	CCAGCCCGCACCCGCGTGCC
127357	127370	126572	127807	CDS product envelope glycoprotein G	127357-127370	4:01:01	CCGCCACCGGACC

127510	127529	126572	127807	CDS product envelope glycoprotein G	127510-127529	4:01:01	CCTCCCGAAACTCCATCGCC
128146	128166	127991	130483	CDS product envelope glycoprotein J	128146-128166	5:02:01	CCCACCACGATCCCACCTACC
128179	128207	127991	130483	CDS product envelope glycoprotein J	128179-128207	5:02:01	
CCCCCACATCAACCCACATCCTCCCC							
128282	128307	127991	130483	CDS product envelope glycoprotein J	128282-128307	5:02:01	
CCAGCACCACTCTGTCCAACATCC							
128321	128340	127991	130483	CDS product envelope glycoprotein J	128321-128340	4:01:01	CCACCACAACAACCCCAACC
128504	128529	127991	130483	CDS product envelope glycoprotein J	128504-128529	5:02:01	
CCACCACTGCTCCAACAACGCTTCC							
128900	128943	127991	130483	CDS product envelope glycoprotein J	128900-128943	8:05:02	
CCACGTCCACCCCTCAGTTCCACTACCACATCTGCCACTCCC							
129302	129320	127991	130483	CDS product envelope glycoprotein J	129302-129320	4:01:01	CCGACTCTTCCACCGTGCC
129452	129479	127991	130483	CDS product envelope glycoprotein J	129452-129479	6:03:01	
CCACCCCATCACCTCCCCCGGTACCCC							
129577	129627	127991	130483	CDS product envelope glycoprotein J	129577-129627	9:06:02	
GGGCGGCACAAAGGTCGCGCAGGGGGTCGTCGGGATGGCCATCAGGGGGGG							
129736	129756	127991	130483	CDS product envelope glycoprotein J	129736-129756	6:03:01	CCGCCCCCACCAGACCGACCC
130058	130078	127991	130483	CDS product envelope glycoprotein J	130058-130078	4:01:01	CCACAATACCGTGTCAGGCC
130680	130708	130574	131782	CDS product envelope glycoprotein D	130680-130708	5:02:01	
GGTTCGAGGACGCCAGGATCGGCCAAAGG							
131404	131426	130574	131782	CDS product envelope glycoprotein D	131404-131426	5:02:01	CCCGTGCCTCCGGATAACCACCC
132283	132305	131887	133164	CDS product envelope glycoprotein I	132283-132305	4:01:01	CCAAACCACAGCCCACAGATTCC
132397	132419	131887	133164	CDS product envelope glycoprotein I	132397-132419	5:02:01	CCGTCCCCGATCCAATGCCACC

132538	132551	131887	133164	CDS product envelope glycoprotein I	132538-132551	4:01:01	CCACCCAAACCCCC
132605	132621	131887	133164	CDS product envelope glycoprotein I	132605-132621	4:01:01	GGTTGTTGGTCGGGAGG
132745	132766	131887	133164	CDS product envelope glycoprotein I	132745-132766	4:01:01	CCCCATCGCCTGAACCGAGGCC
132966	133001	131887	133164	CDS product envelope glycoprotein I	132966-133001	7:04:01	
GGACAGGGGGGCACATCGGCGCCGAGCGGAGACGG							
133065	133081	131887	133164	CDS product envelope glycoprotein I	133065-133081	5:02:01	CCTCCAACCCCCAAACC
133776	133812	133399	135051	CDS product envelope glycoprotein E	133776-133812	6:03:01	
CCAATCCTTGCCGAGACCCGCAGCGTCCTACAGATCC							
133908	133927	133399	135051	CDS product envelope glycoprotein E	133908-133927	4:01:01	CCTCCCAAACAACCGCAACC
133945	133975	133399	135051	CDS product envelope glycoprotein E	133945-133975	6:03:01	
CCCCACCACCCGTAACCGTTCCTCAGGTTCC							
134174	134200	133399	135051	CDS product envelope glycoprotein E	134174-134200	6:03:01	
CCCCACCGCCATGGCCTGCCTGCACCC							
134430	134447	133399	135051	CDS product envelope glycoprotein E	134430-134447	4:01:01	GGACATCCGGAGGCGTGG
134852	134892	133399	135051	CDS product envelope glycoprotein E	134852-134892	9:06:02	
CCCACCACCTCCAAAACCAGCTCCACAGCTCCCACCATACC							
134922	134945	133399	135051	CDS product envelope glycoprotein E	134922-134945	5:02:01	GGCAGGTCCGATTCAAGGTTTGG
135179	135199	135048	135440	CDS product membrane protein US8A	135179-135199	4:01:01	CCCAGATCCGGCTCAACCTCC
135777	135790	135776	136435	CDS product membrane protein US9	135777-135790	4:01:01	GGAGAAGGCGGAGG
135935	135948	135776	136435	CDS product membrane protein US9	135935-135948	4:01:01	CCGCTACCTCCGCC
136059	136076	135776	136435	CDS product membrane protein US9	136059-136076	4:01:01	CCCGTCTCCACCATCACC
136317	136361	135776	136435	CDS product membrane protein US9	136317-136361	8:05:02	
GGCCCGCAGGCACAGGAGGCGGCGGTGGCCCTTACGGTTGCAGG							

137007	137023	136983	137795	CDS product virion protein V67
137050	137075	136983	137795	CDS product virion protein V67
137120	137144	136983	137795	CDS product virion protein V67
137293	137318	136983	137795	CDS product virion protein V67
137331	137347	136983	137795	CDS product virion protein V67
137388	137415	136983	137795	CDS product virion protein V67
137431	137450	136983	137795	CDS product virion protein V67
137472	137488	136983	137795	CDS product virion protein V67
137529	137551	136983	137795	CDS product virion protein V67
137695	137744	136983	137795	CDS product virion protein V67

CCAGAGCTCCCCGGACCCCACTCCAGAGGGTCCAGGCAGCCGCGCAGCC

137767	137788	136983	137795	CDS product virion protein V67
138345	138365	138307	139011	CDS product virion protein
138376	138402	138307	139011	CDS product virion protein
138414	138429	138307	139011	CDS product virion protein
138641	138663	138307	139011	CDS product virion protein
138707	138727	138307	139011	CDS product virion protein
138772	138796	138307	139011	CDS product virion protein
138815	138828	138307	139011	CDS product virion protein
138918	138959	138307	139011	CDS product virion protein

CCCGTCGGCGCCCGCCCCGTCCTCCGACTCCTCGCC

139649	139676	139587	140462	CDS product regulatory protein ICP22
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GGCAGCGCTGGCGCGGGTTGTGGGGTGG

137007-137023	5:02:01	CCGCCACCGCCGGCACC
137050-137075	6:03:01	CCGCCGCAATGCCAACCCGCCCCACC
137120-137144	6:03:01	GGCGGCGAGGGGGCGCCAAGGGGG
137293-137318	7:04:01	GGTCGAGGGGTGGTGGCCGAGAGG
137331-137347	4:01:01	CCGCCCTGCCGCTGCC
137388-137415	6:03:01	CCTTCGTCCGCTGCCGTTCTCTACCC
137431-137450	4:01:01	GGGCGAGGAGAACCCGCGG
137472-137488	4:01:01	CCGACGCCGCCGATGCC
137529-137551	5:02:01	CCAAGGTTCCCCCGCCATAGCC
137695-137744	8:05:02	

137767-137788	4:01:01	CCCCGAAGACGCCCCCGTGGCC
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138345-138365	5:02:01	GGCGGTGCGGCGGGCCGCGG
138376-138402	5:02:01	GGGGGCTTGCGGCCGCGGTGCGCAGG
138414-138429	5:02:01	GGCGGCGTGCGGGGG
138641-138663	4:01:01	CCACAGGCGCCGCGCCGAGATCC
138707-138727	4:01:01	GGAAGACGGGCATGGGGCTGG
138772-138796	5:02:01	GGCCAGGCCTCCGCGGGCGGCCCGG
138815-138828	4:01:01	CCGCTGCCTCCGCC
138918-138959	8:05:02	

139649-139676	5:02:01	
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139753 139766 139587 140462 CDS product regulatory protein ICP22
 139831 139856 139587 140462 CDS product regulatory protein ICP22
 CCCCCTGGCCTCGTCTTCCTCCTCC
 139903 139934 139587 140462 CDS product regulatory protein ICP22
 GGGTATTCGGGGGTCGCTCGGTGGATCCAGG
 140111 140133 139587 140462 CDS product regulatory protein ICP22
 GGTCACGTGGATCGAGGAGGTGG
 140209 140225 139587 140462 CDS product regulatory protein ICP22
 140213 140257 139587 140462 CDS product regulatory protein ICP22
 GGGCCCCGGGCCAGGTACGGGCGAGGGCCGTGGGAGAGCGG
 140262 140295 139587 140462 CDS product regulatory protein ICP22
 CCGTATTCGGGATGGTCCGAGCCGCTGGGAGCC
 140326 140345 139587 140462 CDS product regulatory protein ICP22
 140355 140387 139587 140462 CDS product regulatory protein ICP22
 GGGGGGAGGGGGTCAGGGACGGGATGATGGGG
 143230 143257 143160 147587 CDS product transcriptional regulator ICP4
 CCCCCTCATCCGCGCAGCCAGCGCGGCC
 143271 143291 143160 147587 CDS product transcriptional regulator ICP4
 CCCAGCCCGCGCGCCCGACC
 143300 143324 143160 147587 CDS product transcriptional regulator ICP4
 GGCAGCCAGGGCATGTTCTGGGGTGG
 143359 143387 143160 147587 CDS product transcriptional regulator ICP4
 CCCCCCGCGTCCCCGGCTCCCGAGCCCC

139753-139766 4:01:01 CCTCCCCACGTCC
 139831-139856 5:02:01
 139903-139934 6:03:01
 140111-140133 5:02:01
 140209-140225 4:01:01 CCCCAGGGCCCCGGGCC
 140213-140257 7:04:01
 140262-140295 6:03:01
 140326-140345 4:01:01 GGCTGGAGCGTGGGACGGG
 140355-140387 7:04:01
 143230-143257 5:02:01
 143271-143291 5:02:01
 143300-143324 4:01:01
 143359-143387 6:03:01

143390	143407	143160	147587	CDS product transcriptional regulator ICP4 GGAGGGAAGGCGAAGCGG	143390-143407	4:01:01	
143411	143478	143160	147587	CDS product transcriptional regulator ICP4 CCCCTGCCGGAGGTCCTCCTACCCCGGCGGCCGCCAGCCGGCGTCCCGGCACCCAGCCCGGCTCC	143411-143478	12:09:03	
143506	143523	143160	147587	CDS product transcriptional regulator ICP4 CCACTCCTCCGTGGCCCC	143506-143523	4:01:01	
143518	143547	143160	147587	CDS product transcriptional regulator ICP4 GGCCCCGGGGAACGGTCGCCGGGCCACGGG	143518-143547	5:02:01	
143536	143560	143160	147587	CDS product transcriptional regulator ICP4 CCGGGCCACGGGCTCCTCATCATCC	143536-143560	4:01:01	
143561	143585	143160	147587	CDS product transcriptional regulator ICP4 GGCGGCGGGGACGCGGCCGACCCGG	143561-143585	5:02:01	
143604	143655	143160	147587	CDS product transcriptional regulator ICP4 CCGAGACCTGCCCGGGTCCCGCAGCCCGAGTTTCCACCCTCGGCCTCCCC	143604-143655	9:06:02	
143657	143686	143160	147587	CDS product transcriptional regulator ICP4 GGTGGAGGGTCCCCGGCGCCCCGGGTCCGG	143657-143686	6:03:01	
143728	143759	143160	147587	CDS product transcriptional regulator ICP4 GGACGCGGACGACCAGGCGGATGGTGCCGGGG	143728-143759	6:03:01	
143807	143819	143160	147587	CDS product transcriptional regulator ICP4	143807-143819	4:01:01	GGCGGCGAGGAGG
143843	143893	143160	147587	CDS product transcriptional regulator ICP4 CCGACGCCGCGAAGACCCCGTCGGCCGCCGGCTCTCCCGGGCCGTCCTCC	143843-143893	9:06:02	
143905	143928	143160	147587	CDS product transcriptional regulator ICP4 CCCGGCGGCCGGGGCCGCCACCCC	143905-143928	5:02:01	

143938	143994	143160	147587	CDS product transcriptional regulator ICP4	143938-143994	10:07:02	
CCGCTCCGGCGCCGCTTCTCCGGGTGCGCCCGCGCCCGCGCCAGCCGCC							
144004	144015	143160	147587	CDS product transcriptional regulator ICP4	144004-144015	4:01:01	CCTCCTCCCTCC
144110	144126	143160	147587	CDS product transcriptional regulator ICP4	144110-144126	4:01:01	
CCGCCGGGCCGGAGCCC							
144192	144225	143160	147587	CDS product transcriptional regulator ICP4	144192-144225	6:03:01	
CCAACCCAGACCCATACCCAGACCCAGGCACC							
144232	144266	143160	147587	CDS product transcriptional regulator ICP4	144232-144266	6:03:01	
GGAGGCCCCGCGGACGGCTCTTGGGACTTGCTGG							
144279	144292	143160	147587	CDS product transcriptional regulator ICP4	144279-144292	4:01:01	CCCAGGCCGCCTCC
144301	144314	143160	147587	CDS product transcriptional regulator ICP4	144301-144314	4:01:01	GGCGGCCCCGGTGG
144357	144379	143160	147587	CDS product transcriptional regulator ICP4	144357-144379	4:01:01	
CCCCGTCCGGGGACCCCTGGCCC							
144365	144386	143160	147587	CDS product transcriptional regulator ICP4	144365-144386	4:01:01	
GGGGACCCCTGGCCCGGTCGG							
144416	144449	143160	147587	CDS product transcriptional regulator ICP4	144416-144449	6:03:01	
GGGGGACCGGGACTCGCGGGACGGGCTGTGGG							
144702	144716	143160	147587	CDS product transcriptional regulator ICP4	144702-144716	4:01:01	CCAACCCCTGCCCC
144722	144741	143160	147587	CDS product transcriptional regulator ICP4	144722-144741	4:01:01	
GGGGATGCCATGGCGCCGG							
144771	144803	143160	147587	CDS product transcriptional regulator ICP4	144771-144803	6:03:01	
CCGCCTCGGTGGCCATGAGCCGCCGCTACGACC							
144823	144836	143160	147587	CDS product transcriptional regulator ICP4	144823-144836	4:01:01	CCTCCAGAGCCTCC

144874	144887	143160	147587	CDS product transcriptional regulator ICP4	144874-144887	4:01:01	GGCGGGGAGGCCGG
144904	144954	143160	147587	CDS product transcriptional regulator ICP4	144904-144954	9:06:02	
				GGCCGGGTCTCGGCCGGCTACCCGGCCCAGGCCGCCGGCAGCGGCCGG			
144918	144940	143160	147587	CDS product transcriptional regulator ICP4	144918-144940	5:02:01	
				CCGGCTACCCGGCCCAGGCCGCC			
144965	144995	143160	147587	CDS product transcriptional regulator ICP4	144965-144995	6:03:01	
				CCCAGCCCCCGCGGCCTCGGTCCGCGTCC			
145044	145093	143160	147587	CDS product transcriptional regulator ICP4	145044-145093	10:07:02	
				CCGCCGCGCCGCTCGCGCTCCGGGTACCAGGGCACCCAGGCCGTCCGCC			
145152	145166	143160	147587	CDS product transcriptional regulator ICP4	145152-145166	4:01:01	CCCTCCTGCGCCTCC
145210	145231	143160	147587	CDS product transcriptional regulator ICP4	145210-145231	5:02:01	
				CCCCTCTCCCGCCTGCCCTCCC			
145252	145271	143160	147587	CDS product transcriptional regulator ICP4	145252-145271	5:02:01	
				GGCCGGGCTGGAGACGGCGG			
145293	145331	143160	147587	CDS product transcriptional regulator ICP4	145293-145331	6:03:01	
				GGGACCTGGTCGAGCGGGCCAGGCTCCTCGGGGACTCGG			
145333	145354	143160	147587	CDS product transcriptional regulator ICP4	145333-145354	5:02:01	
				CCCTACCCACCGCCTGGGCGCC			
145428	145474	143160	147587	CDS product transcriptional regulator ICP4	145428-145474	8:05:02	
				CCGAGGGGGCCCGGGCCCGGGCCTCGGCCTGGACCGTCACCCAGGCC			
145432	145459	143160	147587	CDS product transcriptional regulator ICP4	145432-145459	6:03:01	
				GGGGGCCCGGGCCCGGGCCTCGGCCTGG			
145495	145517	143160	147587	CDS product transcriptional regulator ICP4	145495-145517	6:03:01	

GGTCGGGGGGATGTTGGGGGAGG						
145518 145539 143160 147587	CDS product transcriptional regulator ICP4	145518-145539	4:01:01			
CCGTGTCCCTGCTAGCCCCACC						
145548 145570 143160 147587	CDS product transcriptional regulator ICP4	145548-145570	5:02:01			
CCCAGCCCTCCTCGTCTTCCCC						
145585 145612 143160 147587	CDS product transcriptional regulator ICP4	145585-145612	5:02:01			
CCAGCAGCCCTTCTCCGGCTCCTCGGCC						
145601 145621 143160 147587	CDS product transcriptional regulator ICP4	145601-145621	4:01:01			
GGTCCTCGGCCGCGGAGGGG						
145624 145650 143160 147587	CDS product transcriptional regulator ICP4	145624-145650	6:03:01			
CCTTCCGCCCCTGTGGCCACCGTCCC						
145686 145706 143160 147587	CDS product transcriptional regulator ICP4	145686-145706	4:01:01			
CCCAGTCCCCCAGCACTCCC						
145725 145772 143160 147587	CDS product transcriptional regulator ICP4	145725-145772	9:06:02			
CCGCGACAGCCACCTGCTCCCGGCCACCCAGACCAGCGCCCGTCCC						
145809 145832 143160 147587	CDS product transcriptional regulator ICP4	145809-145832	6:03:01			
CCGCCTCCCCGGCCACCTCAGCC						
145883 145912 143160 147587	CDS product transcriptional regulator ICP4	145883-145912	4:01:01			
GGGCGCCCCCGGGCAAGAGCGGCAAGCGG						
145917 145940 143160 147587	CDS product transcriptional regulator ICP4	145917-145940	4:01:01			
CCGAGCCCCTAGAGCCGGCGGCCC						
145933 145955 143160 147587	CDS product transcriptional regulator ICP4	145933-145955	5:02:01			
GGCGGCCAGGCTGGAGCCCCGG						

145950	145973	143160	147587	CDS product transcriptional regulator ICP4	145950-145973	5:02:01	
CCCCGGCCTTCTCCTCGTCCGCC							
146008	146020	143160	147587	CDS product transcriptional regulator ICP4	146008-146020	4:01:01	CCCTCCTGCCCCC
146028	146067	143160	147587	CDS product transcriptional regulator ICP4	146028-146067	6:03:01	
GGGTGGCCACCCAGGGCCACCAGGCTCCCCGGGCCCTGGG							
146034	146093	143160	147587	CDS product transcriptional regulator ICP4	146034-146093	11:08:02	
CCACCCAGGGCCACCAGGCTCCCCGGGCCCTGGGACCCATGCCCGCCGAGGGCCCCGACC							
146157	146179	143160	147587	CDS product transcriptional regulator ICP4	146157-146179	4:01:01	
CCTGCGCAGCCTACTGTCCCCC							
146203	146232	143160	147587	CDS product transcriptional regulator ICP4	146203-146232	5:02:01	
CCACCCGCTGTTCCCGAGGCCTGGCGCCC							
146241	146276	143160	147587	CDS product transcriptional regulator ICP4	146241-146276	6:03:01	
CCTTCGATCCCCAGGCCCTAGCCACCATCGCGGCC							
146285	146304	143160	147587	CDS product transcriptional regulator ICP4	146285-146304	4:01:01	
GGACCCCGGCCAGGGACGG							
146383	146399	143160	147587	CDS product transcriptional regulator ICP4	146383-146399	4:01:01	
GGACGTGAAGGTGGTGG							
146443	146458	143160	147587	CDS product transcriptional regulator ICP4	146443-146458	4:01:01	CCCGGCCGCCGCCCCC
146497	146530	143160	147587	CDS product transcriptional regulator ICP4	146497-146530	6:03:01	
GGGGGACTCTCGGCGTGCTGGCGGCCCTGGGG							
146523	146566	143160	147587	CDS product transcriptional regulator ICP4	146523-146566	7:04:01	
CCCTGGGGAACGCGTCCTACCAAGCGGTCCCACGCCTGGGCC							
146562	146597	143160	147587	CDS product transcriptional regulator ICP4	146562-146597	6:03:01	

GGGCCGGCAACTGGACCGGAGCCCCGGACGTCTCGG		
146598 146650 143160 147587 CDS product transcriptional regulator ICP4 CCCTCAACGCCAGGGGTCTGCTCCTCTCCACGGGGACCTGGCCTTCACC	146598-146650	9:06:02
146665 146689 143160 147587 CDS product transcriptional regulator ICP4 CCTCTGCCTCCGCTGGGCTCCGCC	146665-146689	6:03:01
146728 146745 143160 147587 CDS product transcriptional regulator ICP4 GGACTGGCCCCAGGACGG	146728-146745	4:01:01
146819 146840 143160 147587 CDS product transcriptional regulator ICP4 CCCCGGGAGGCCACCTCAGCC	146819-146840	4:01:01
146994 147012 143160 147587 CDS product transcriptional regulator ICP4 CCCGCGTCCCCCTGCCTCC	146994-147012	5:02:01
147127 147160 143160 147587 CDS product transcriptional regulator ICP4 CCACCGCGCGCCAACCGCTGGGGCCTCGGGGCC	147127-147160	6:03:01
147169 147191 143160 147587 CDS product transcriptional regulator ICP4 CCCCGTGTACCTCGCTGCGGCC	147169-147191	4:01:01
147188 147221 143160 147587 CDS product transcriptional regulator ICP4 GGCCGGCGCGGAGCCGGGGCCGTGGAGCCCTCGG	147188-147221	6:03:01
147275 147296 143160 147587 CDS product transcriptional regulator ICP4 CCCGACGCCGAGCCGGACCCC	147275-147296	4:01:01
147305 147336 143160 147587 CDS product transcriptional regulator ICP4 CCCATCACCGAGGCTCCCCGCCCGGGCCCC	147305-147336	6:03:01
147443 147467 143160 147587 CDS product transcriptional regulator ICP4 GGGGCCGGCGACGTGGAGCTGGTGG	147443-147467	5:02:01

147468	147520	143160	147587	CDS product transcriptional regulator ICP4	147468-147520	10:07:02
CCGACCACCCGGCCCTAGCCCCGGCGGCCAGGCCCTCCGCCGCTCCC						
147532	147567	143160	147587	CDS product transcriptional regulator ICP4	147532-147567	7:04:01
GGTGGTGTCGGACGACGAGGACGGTGGAGACTGGGG						
gi 281190771 ref NC_013590.2 Felid herpesvirus 1, complete genome						
4446	4464	3482	4798	CDS product multifunctional expression regulator	4446-4464	4:01:01
GGCGCATGTGGATTGGTGG						
4664	4695	3482	4798	CDS product multifunctional expression regulator	4664-4695	6:03:01
GGTTCTGGAGGTGTCGGGGAGGTCTCATCGGG						
5248	5269	4919	5953	CDS product envelope glycoprotein K	5248-5269	4:01:01 CCCCATCAAGACCACCTTCGCC
5685	5702	4919	5953	CDS product envelope glycoprotein K	5685-5702	4:01:01 CCAGGGCCAAATCCTTCC
6598	6613	5963	9151	CDS product helicase-primase primase subunit	6598-6613	4:01:01 CCCACCATCACCAACC
6783	6801	5963	9151	CDS product helicase-primase primase subunit	6783-6801	5:02:01
GGTATGGAGGTGGTATTGG						
7043	7061	5963	9151	CDS product helicase-primase primase subunit	7043-7061	4:01:01
GGTTGAGGGGGCATGAGG						
7170	7188	5963	9151	CDS product helicase-primase primase subunit	7170-7188	4:01:01
GGACTGGAAGTGGGATAGG						
7810	7826	5963	9151	CDS product helicase-primase primase subunit	7810-7826	4:01:01
GGGATAGGTTTTGGAGG						
8563	8580	5963	9151	CDS product helicase-primase primase subunit	8563-8580	4:01:01
GGAGGTCTCGGGTTTGG						

8886	8905	5963	9151	CDS product helicase-primase primase subunit	8886-8905	5:02:01
GGACGGCGGCTAGATGGTGG						
9166	9191	9150	9878	CDS product tegument protein UL51	9166-9191	5:02:01 GGCAGGTCTGTGTGGAATCCGGTGG
9531	9547	9150	9878	CDS product tegument protein UL51	9531-9547	4:01:01 CCGTAGATACCACCACC
9927	9956	9923	10900	CDS product deoxyuridine triphosphatase	9927-9956	5:02:01
CCCCGGTTGACCCAAATCCTTTATCCCCC						
10031	10059	9923	10900	CDS product deoxyuridine triphosphatase	10031-10059	5:02:01
GGTGCAGGTTCTGGGGTTTCTGGAAATGG						
11302	11327	11185	12222	CDS product tegument protein VP22	11302-11327	4:01:01 CCACAGAAACCCCTCCGCGAGTCCCC
11742	11786	11185	12222	CDS product tegument protein VP22	11742-11786	8:05:02
CCTCCCTACCCACACCAAGTTAAACCAAGAGCCGCGCCGGGTACC						
11829	11848	11185	12222	CDS product tegument protein VP22	11829-11848	4:01:01 CCAAGAACCTCATCCACGCC
12138	12158	11185	12222	CDS product tegument protein VP22	12138-12158	5:02:01 CCTAAGACCAGATCCTCCTCC
12504	12523	12355	13698	CDS product transactivating tegument protein VP16	12504-12523	4:01:01
CCACCAAAACCTGCTAGCCC						
12906	12948	12355	13698	CDS product transactivating tegument protein VP16	12906-12948	8:05:02
GGTGCGCGCGAGGCCAAGGGATAAAGGTAAGGGGGTAACGG						
13496	13538	12355	13698	CDS product transactivating tegument protein VP16	13496-13538	7:04:01
CCCACCATCACCAAGTGCCGTGCTTCCAGGGGATCCAGATCCC						
14430	14446	14066	16642	CDS product tegument protein VP13/14	14430-14446	4:01:01 GCGGAAGGGGATTTCGG
14547	14563	14066	16642	CDS product tegument protein VP13/14	14547-14563	4:01:01 GGTGGATATGGAGAGG
14638	14662	14066	16642	CDS product tegument protein VP13/14	14638-14662	5:02:01
GGGGATGGGGGGAAGAGGATGTGG						

14800	14818	14066	16642	CDS product tegument protein VP13/14
14929	14947	14066	16642	CDS product tegument protein VP13/14
15222	15241	14066	16642	CDS product tegument protein VP13/14
15524	15541	14066	16642	CDS product tegument protein VP13/14
15542	15563	14066	16642	CDS product tegument protein VP13/14
15840	15855	14066	16642	CDS product tegument protein VP13/14
16372	16389	14066	16642	CDS product tegument protein VP13/14
16566	16582	14066	16642	CDS product tegument protein VP13/14
16607	16625	14066	16642	CDS product tegument protein VP13/14
17425	17445	16720	18882	CDS product tegument protein VP11/12
17782	17799	16720	18882	CDS product tegument protein VP11/12
18089	18115	16720	18882	CDS product tegument protein VP11/12
CCTCCCACTACCATCCCCACCCACTCC				
19536	19554	19053	19634	CDS product membrane protein UL45
20670	20691	19884	21488	CDS product envelope glycoprotein C
21161	21181	19884	21488	CDS product envelope glycoprotein C
21234	21252	19884	21488	CDS product envelope glycoprotein C
21303	21345	19884	21488	CDS product envelope glycoprotein C
GGAGATGTTGGCTGGGATATCGGGTGGTAGCGGACATGCTGG				
22536	22558	21674	22921	CDS product envelope protein UL43
24942	24970	24698	26059	CDS product tegument host shutoff protein
GGATAGAGGTATCTATGGTGATGGACAGG				
25017	25039	24698	26059	CDS product tegument host shutoff protein

14800-14818	4:01:01	GGTGGTCGTGGAGCAGAGG
14929-14947	5:02:01	GGAGAATGGCGGAGGCTGG
15222-15241	4:01:01	GGGTTGTTGGTTTGGAGCGG
15524-15541	4:01:01	GGATGGTAGGAAGAACGG
15542-15563	4:01:01	CCATACGACCACTCCAACACC
15840-15855	4:01:01	GGTGGCGGTGCAGTGG
16372-16389	4:01:01	CCAATGCCGGGTCCACCC
16566-16582	4:01:01	GGGACGCAAGGGCTGG
16607-16625	4:01:01	GGAGACGAGGGAGGCGGGG
17425-17445	4:01:01	GGTGGCTCTTATGGTTCATGG
17782-17799	4:01:01	GGGCTGAGGGAGGTATGG
18089-18115	6:03:01	
19536-19554	4:01:01	GGTGGGTTAGGCTCGTTGG
20670-20691	5:02:01	CCATCTCCACCATAGACCCGCC
21161-21181	4:01:01	GGCTGCCTGGGTGGTACTCGG
21234-21252	4:01:01	GGCTGGGATGCCTGGGTGG
21303-21345	7:04:01	
22536-22558	4:01:01	CCCATCCAAGTCCGCTATGGCC
24942-24970	5:02:01	
25017-25039	5:02:01	

GGGTGGATCTGGACGCTTGGGGG					
26275	26305	26195	27190	CDS product ribonucleotide reductase subunit 2	26275-26305 6:03:01
GGCTAAGGGAAAATCGGGATGAGGAGGCGGG					
26757	26779	26195	27190	CDS product ribonucleotide reductase subunit 2	26757-26779 4:01:01
CCACATAGGCCGTACGCGCCTCC					
27127	27170	26195	27190	CDS product ribonucleotide reductase subunit 2	27127-27170 8:05:02
GGATACCGGCATTTTGGTATTGGAGTGGAGACCGGTATTGGGGG					
28407	28424	27204	29564	CDS product ribonucleotide reductase subunit 1	28407-28424 5:02:01
CCCATACCAGCCGCCTCC					
28513	28539	27204	29564	CDS product ribonucleotide reductase subunit 1	28513-28539 5:02:01
CCTCTCCGCCTAGGTGCCGTTGATACC					
29091	29126	27204	29564	CDS product ribonucleotide reductase subunit 1	29091-29126 5:02:01
CCCATCGATTCCAAAGCTCCATTTCCAGGTTGCC					
29960	29980	29793	31184	CDS product capsid triplex subunit 1	29960-29980 4:01:01 GGCACGGCCGCGCAGGTCAGG
29995	30014	29793	31184	CDS product capsid triplex subunit 1	29995-30014 5:02:01 GGGCTGCGGTGGCTTGGGGG
30075	30105	29793	31184	CDS product capsid triplex subunit 1	30075-30105 6:03:01
GGAAATCTGGCTCGTGGGTCCGTGGCGGGGG					
30660	30682	29793	31184	CDS product capsid triplex subunit 1	30660-30682 5:02:01 CCTTCTCCTGAATCCCTACCACC
30773	30808	29793	31184	CDS product capsid triplex subunit 1	30773-30808 7:04:01
GGCTGGATGGCGTAAGGTGAGGATTGGAAGACCCGG					
32781	32804	31532	34615	CDS product tegument protein UL37	32781-32804 4:01:01 GGATGAGGCGCAACAGGCAATTGG
33582	33602	31532	34615	CDS product tegument protein UL37	33582-33602 4:01:01 GGTCATGCTGGTCCCGGAGGG
34538	34566	31532	34615	CDS product tegument protein UL37	34538-34566 5:02:01

CCTGGGTTACCCAGAAGACCTCCTCGCC

36620	36637	34835	43936	CDS product large tegument protein
37483	37503	34835	43936	CDS product large tegument protein
37686	37708	34835	43936	CDS product large tegument protein
37701	37722	34835	43936	CDS product large tegument protein
38745	38767	34835	43936	CDS product large tegument protein
39453	39474	34835	43936	CDS product large tegument protein
40682	40705	34835	43936	CDS product large tegument protein
41838	41858	34835	43936	CDS product large tegument protein
42438	42460	34835	43936	CDS product large tegument protein
42755	42779	34835	43936	CDS product large tegument protein
42845	42861	34835	43936	CDS product large tegument protein
44819	44836	44482	45297	CDS product nuclear egress membrane protein
45195	45214	44482	45297	CDS product nuclear egress membrane protein
46137	46154	45831	47579	CDS product DNA packaging protein UL32
47210	47224	45831	47579	CDS product DNA packaging protein UL32
47468	47494	45831	47579	CDS product DNA packaging protein UL32

CCTCCCAAGCCAACGGCCGGGGCAGCC

49110	49130	48509	52126	CDS product DNA polymerase catalytic subunit
CCAGTACCCTTCCAAATTCCC				
49679	49701	48509	52126	CDS product DNA polymerase catalytic subunit
CCATTAGCCACCCCGGTAAATCC				
49777	49796	48509	52126	CDS product DNA polymerase catalytic subunit

36620-36637	4:01:01	CCCACCTCGCCGAACGCC
37483-37503	4:01:01	GGTGCGGATGAGGTTATGCGG
37686-37708	4:01:01	GGCGGGATTTGTTGGCCTGAGGG
37701-37722	4:01:01	CCTGAGGGCCGCACCCGGAGCC
38745-38767	4:01:01	CCTTACTATCCATCCAGTGATCC
39453-39474	5:02:01	CCCCCACCACCCTCAATAGCC
40682-40705	5:02:01	GGCAATATGGCAGGTCTGGAAGG
41838-41858	5:02:01	CCCGGTACCCCAAAACCACC
42438-42460	4:01:01	GGGGGCTTTATCGGATACCTGGG
42755-42779	4:01:01	GGGACGGTGACGACGGACCTGATGG
42845-42861	4:01:01	CCATATCCGTACCCCCC
44819-44836	4:01:01	CCTCCGGGCCCATGAACC
45195-45214	4:01:01	GGGTGGATTTTTTGGGTTGG
46137-46154	4:01:01	GGCGGAAGTTTGGATTGG
47210-47224	4:01:01	GGGGATGGTGGGCGG
47468-47494	5:02:01	

49110-49130 4:01:01

49679-49701 4:01:01

49777-49796 4:01:01

GGGAATACGGGCCCGGATGG						
50232	50251	48509	52126	CDS product DNA polymerase catalytic subunit	50232-50251	4:01:01
GGTTGCGGTTATCAGGTAGG						
50432	50457	48509	52126	CDS product DNA polymerase catalytic subunit	50432-50457	5:02:01
CCTATTATCCCCGTTGCCTGGCACC						
50508	50524	48509	52126	CDS product DNA polymerase catalytic subunit	50508-50524	4:01:01
CCCCTAAGGCCTCCTCC						
51549	51571	48509	52126	CDS product DNA polymerase catalytic subunit	51549-51571	4:01:01
CCCTATCCACTAGATCCTTATCC						
53294	53314	52392	55994	CDS product single-stranded DNA-binding protein	53294-53314	4:01:01
GGGGGAGATGGAGCCTCTGGG						
53509	53523	52392	55994	CDS product single-stranded DNA-binding protein	53509-53523	4:01:01 GGCTGGATTGGTAGG
53576	53601	52392	55994	CDS product single-stranded DNA-binding protein	53576-53601	5:02:01
GGTGGGGCCGTGGATGGTAAAGATGG						
53620	53643	52392	55994	CDS product single-stranded DNA-binding protein	53620-53643	4:01:01
CCGTTTTTACCTAATCCAGCACC						
54908	54935	52392	55994	CDS product single-stranded DNA-binding protein	54908-54935	6:03:01
CCACCCGGGAGCCAGACTCCAAACCCCC						
54964	54983	52392	55994	CDS product single-stranded DNA-binding protein	54964-54983	4:01:01
CCAGATGCCGGCCCCGTCTCC						
55424	55449	52392	55994	CDS product single-stranded DNA-binding protein	55424-55449	5:02:01
GGAAATTGGAGTGGGTTGAATGGAGG						
55538	55553	52392	55994	CDS product single-stranded DNA-binding protein	55538-55553	5:02:01 GGGGGTGGTGGGGGGG

55601	55622	52392	55994	CDS product single-stranded DNA-binding protein	55601-55622	4:01:01	
GGTGGACCCATGGTTCAAACGG							
57019	57043	56050	58389	CDS product DNA packaging terminase subunit 2	57019-57043	5:02:01	
GGCTGGCCTCAGCGGGATTGGACGG							
57303	57328	56050	58389	CDS product DNA packaging terminase subunit 2	57303-57328	5:02:01	
CCACTACTCCGCCAACTGACCAACCC							
57436	57464	56050	58389	CDS product DNA packaging terminase subunit 2	57436-57464	5:02:01	
CCCAATCGGACCGGGCCATAGACTCCCC							
58000	58014	56050	58389	CDS product DNA packaging terminase subunit 2	58000-58014	4:01:01	GGGGTGGGTGGACGG
58253	58302	56050	58389	CDS product DNA packaging terminase subunit 2	58253-58302	7:04:01	
GGCGATCTTGGAAGCGGCGACGAGGGAGTCGTTGGCAGGGACACAGTGG							
58661	58677	58242	61088	CDS product envelope glycoprotein B	58661-58677	4:01:01	CCACCACGGGCCTGTCC
58809	58829	58242	61088	CDS product envelope glycoprotein B	58809-58829	4:01:01	CCTATGCCGTTACAACCAACC
59589	59609	58242	61088	CDS product envelope glycoprotein B	59589-59609	4:01:01	CCCTGGAGACCTACCTAGCCC
59996	60014	58242	61088	CDS product envelope glycoprotein B	59996-60014	4:01:01	GGTGGGGTGGTCTCGATGG
60475	60493	58242	61088	CDS product envelope glycoprotein B	60475-60493	4:01:01	CCGCAACCAACTCCACGCC
60574	60620	58242	61088	CDS product envelope glycoprotein B	60574-60620	9:06:02	
GGGACTCGGGGATGTGGGGCTGGTTTCGGCAAGGTGGTCTTAGGGG							
61008	61040	58242	61088	CDS product envelope glycoprotein B	61008-61040	6:03:01	
CCCTCCGTCGCCGTGGACCTAAATACCAACGCC							
62292	62306	61769	62653	CDS product capsid scaffold protein	62292-62306	4:01:01	GGGACGGGGAGGTGG
62435	62467	61769	62653	CDS product capsid scaffold protein	62435-62467	8:05:02	
GGATGGAAATGGTTTGGAGGGAGGGGTGGATGG							

62509	62529	61769	62653	CDS product capsid scaffold protein	62509-62529	5:02:01	GGCCGGGGGTATTGGATAGG
62609	62630	61769	62653	CDS product capsid scaffold protein	62609-62630	5:02:01	GGGGTTGTGGATGGCTTATGG
63254	63277	61769	63565	CDS product capsid maturation protease	63254-63277	4:01:01	CCCTCCTTTACTCCAAAAACCCC
64161	64183	63696	65567	CDS product DNA packaging tegument protein UL25	64161-64183	4:01:01	
CCCAAATCCCCCGGTTGCCCC							
65131	65159	63696	65567	CDS product DNA packaging tegument protein UL25	65131-65159	6:03:01	
CCGCCGTTTCGCTTCCCGTGCTACCTCC							
66100	66114	65590	66372	CDS product nuclear protein UL24	66100-66114	4:01:01	CCACCCCTTCTCCC
66322	66341	65590	66372	CDS product nuclear protein UL24	66322-66341	4:01:01	CCAGCCCGGAGCCTCAATCC
67065	67081	66387	67418	CDS product thymidine kinase	67065-67081	4:01:01	GGCGTGATGGGTGGGG
68200	68215	67658	70123	CDS product envelope glycoprotein H	68200-68215	5:02:01	CCGACCACCTCCGGCC
68340	68358	67658	70123	CDS product envelope glycoprotein H	68340-68358	4:01:01	GGAGGGGATGTGGATATGG
69858	69872	67658	70123	CDS product envelope glycoprotein H	69858-69872	4:01:01	GGAGTTGGTGGCTGG
70423	70439	70246	71829	CDS product tegument protein UL21	70423-70439	4:01:01	CCATCTATTCCGCCACC
71029	71053	70246	71829	CDS product tegument protein UL21	71029-71053	4:01:01	CCAGATGCCCGATCCCTAGGATCCC
71648	71663	70246	71829	CDS product tegument protein UL21	71648-71663	4:01:01	CCCCTTCCCCACACC
73047	73069	73018	77151	CDS product major capsid protein	73047-73069	4:01:01	CCAATAGCCGATTTCACCACCCC
73338	73357	73018	77151	CDS product major capsid protein	73338-73357	4:01:01	CCCCACCCTGTAAACCAACC
73860	73885	73018	77151	CDS product major capsid protein	73860-73885	4:01:01	GGCATACGGCAACGGCTCTTAAGGGG
74286	74323	73018	77151	CDS product major capsid protein	74286-74323	6:03:01	
CCAGCTCCCGGACAACCCGATTCCCGTGTTTCCCACC							
74684	74707	73018	77151	CDS product major capsid protein	74684-74707	6:03:01	CCAGCCAGGTCACCAGAACCACC
74834	74852	73018	77151	CDS product major capsid protein	74834-74852	5:02:01	CCCAGCCACCGTTGCCGCC

75158	75177	73018	77151	CDS product major capsid protein	75158-75177 4:01:01 GGCTGGTCGGGATCACGAGG
75200	75217	73018	77151	CDS product major capsid protein	75200-75217 4:01:01 CCATGCCCTTCTCCCCC
75311	75336	73018	77151	CDS product major capsid protein	75311-75336 4:01:01 GGTACCGTGGGTCGAGATGGCCCAGG
75397	75427	73018	77151	CDS product major capsid protein	75397-75427 5:02:01
CCAGGGCCCCAATCATCCCACACCACGGTCC					
75554	75576	73018	77151	CDS product major capsid protein	75554-75576 5:02:01 GGATCTGGGAAGGGATGAGGAGG
75579	75616	73018	77151	CDS product major capsid protein	75579-75616 7:04:01
CCTGCATACCCGATGACCCCCGCCACCCTCTAAACCC					
75735	75758	73018	77151	CDS product major capsid protein	75735-75758 5:02:01 CCCATTCTCACCGCCGCCGACCC
75772	75786	73018	77151	CDS product major capsid protein	75772-75786 4:01:01 CCACGGCCACCACCC
75978	75996	73018	77151	CDS product major capsid protein	75978-75996 5:02:01 CCACCCGTACCGCCTTTCC
76268	76279	73018	77151	CDS product major capsid protein	76268-76279 4:01:01 GGCGGTAGGTGG
76306	76330	73018	77151	CDS product major capsid protein	76306-76330 4:01:01 GGGCCAACGTGGATCTGGGTGTAGG
76745	76764	73018	77151	CDS product major capsid protein	76745-76764 4:01:01 CCCATGGGCCTCCCAACGCC
76903	76931	73018	77151	CDS product major capsid protein	76903-76931 5:02:01
CCGGGTCCAGTTTAGCCCCAAGCACCGCC					
77595	77619	77323	78261	CDS product capsid triplex subunit 2	77595-77619 5:02:01
CCACTTCCTCCTGGTGCCTTTATCC					
77733	77754	77323	78261	CDS product capsid triplex subunit 2	77733-77754 4:01:01 CCATCCACTGTACCAGTAGCCC
77805	77829	77323	78261	CDS product capsid triplex subunit 2	77805-77829 6:03:01
GGTGCCGGTGGGAGACGGGGGATGG					
77965	77988	77323	78261	CDS product capsid triplex subunit 2	77965-77988 4:01:01 CCTTGATACCGAACCTACTCACCC
78052	78087	77323	78261	CDS product capsid triplex subunit 2	78052-78087 7:04:01

CCCAACTAATCCATCGACCACCAGTCCACCCTCCCC					
78406	78425	78345	83970	CDS product DNA packaging terminase subunit 1	78406-78425 4:01:01
CCGCCATTACCAGAGCTACC					
78704	78718	78345	83970	CDS product DNA packaging terminase subunit 1	78704-78718 4:01:01 GGTCCGAGGAATGGG
79504	79524	78345	83970	CDS product DNA packaging terminase subunit 1	79504-79524 4:01:01
GGCCTCGGATACCCTGGAGGG					
79930	79954	79666	81741	CDS product DNA packaging tegument protein UL17	79930-79954 4:01:01
CCAATACCCCTTGCCAAACATGTCC					
80284	80301	79666	81741	CDS product DNA packaging tegument protein UL17	80284-80301 4:01:01
CCAACCACACCCAATCCC					
80339	80353	79666	81741	CDS product DNA packaging tegument protein UL17	80339-80353 4:01:01 GGTGAATGGAGGGGG
80425	80452	79666	81741	CDS product DNA packaging tegument protein UL17	80425-80452 5:02:01
CCTCGGAGGCCATAACCACCAGACACCC					
80480	80503	79666	81741	CDS product DNA packaging tegument protein UL17	80480-80503 5:02:01
GGATGGTTGTGGAGTGGCATCTGG					
80866	80880	79666	81741	CDS product DNA packaging tegument protein UL17	80866-80880 4:01:01 GGGGTGGGAGGAGGG
81029	81040	79666	81741	CDS product DNA packaging tegument protein UL17	81029-81040 4:01:01 CCTGCCACCACC
81455	81471	79666	81741	CDS product DNA packaging tegument protein UL17	81455-81471 4:01:01
GGCGGAACCTTTGGCGG					
82174	82186	81772	82863	CDS product tegument protein UL16	82174-82186 4:01:01 CCATCCCCCTCCC
82313	82325	81772	82863	CDS product tegument protein UL16	82313-82325 4:01:01 GGGGTATGGTGG
82366	82388	81772	82863	CDS product tegument protein UL16	82366-82388 4:01:01 CCACGCTCCTCGCCCTATGCCCC
83055	83079	78345	83970	CDS product DNA packaging terminase subunit 1	83055-83079 4:01:01

CCTCGCTCCAATTCCTCAAACACC						
83648	83672	78345	83970	CDS product DNA packaging terminase subunit 1	83648-83672	6:03:01
CCGAACCGGACACCGCCTCCTCCCC						
83784	83810	78345	83970	CDS product DNA packaging terminase subunit 1	83784-83810	5:02:01
GGGTACAACGGTCTGGTGGCGCTGGGG						
84529	84549	84007	84975	CDS product tegument protein UL14	84529-84549	6:03:01 GGGGGTCCGGGAAGGGGGGGG
84748	84765	84007	84975	CDS product tegument protein UL14	84748-84765	4:01:01 GGCTGGTAACGAGAAGG
85139	85158	84417	86237	CDS product tegument serine/threonine protein kinase	85139-85158	5:02:01
GGGGGGGCTGGTGGGTATGG						
85445	85463	84417	86237	CDS product tegument serine/threonine protein kinase	85445-85463	4:01:01
GGGTTGGGTAAGGCTGTGG						
85855	85879	84417	86237	CDS product tegument serine/threonine protein kinase	85855-85879	4:01:01
CCTTTCCCTCGGTTACCGGTCCCC						
86229	86248	86222	87856	CDS product deoxyribonuclease	86229-86248	4:01:01 CCAATTAACCAACCCACGCC
86746	86770	86222	87856	CDS product deoxyribonuclease	86746-86770	4:01:01 CCCTATGGACCTGTATACCCACCCC
87139	87158	86222	87856	CDS product deoxyribonuclease	87139-87158	4:01:01 CCCGAATCCTCTCCCCGCC
87476	87497	86222	87856	CDS product deoxyribonuclease	87476-87497	4:01:01 CCACGCCCATCTTCGCCAATCC
88684	88706	88143	89411	CDS product envelope glycoprotein M	88684-88706	4:01:01 GGGATGTAGTGCGATGGAGAGG
89511	89532	89398	91980	CDS product DNA replication origin-binding helicase	89511-89532	4:01:01
GGAGGTGATTTGGGAGAGTGGG						
89592	89612	89398	91980	CDS product DNA replication origin-binding helicase	89592-89612	5:02:01
CCATCACCAGTCTCCACCACC						
90425	90444	89398	91980	CDS product DNA replication origin-binding helicase	90425-90444	4:01:01

GGAGGAAGTTGGGGTCTGGG						
92278	92294	91995	94343	CDS product helicase-primase subunit	92278-92294	4:01:01 GGCAGCGGCTGGAGAGG
92513	92530	91995	94343	CDS product helicase-primase subunit	92513-92530	4:01:01 CCGGTGCCGGTCCCAGCC
92599	92618	91995	94343	CDS product helicase-primase subunit	92599-92618	5:02:01 GGGGGGAGGATTGGCAAGGG
93128	93147	91995	94343	CDS product helicase-primase subunit	93128-93147	4:01:01 GGTATGTGGCCGCAATGGG
93426	93455	91995	94343	CDS product helicase-primase subunit	93426-93455	5:02:01
GGGAAAAGGGAGGGCTGAAGGCAGCATTGG						
94175	94196	91995	94343	CDS product helicase-primase subunit	94175-94196	4:01:01 CCACATCCGGCCATTATTCCCC
94545	94559	94402	95292	CDS product tegument protein UL7	94545-94559	4:01:01 CCGCCTCTCCGATCC
96909	96939	95177	97330	CDS product capsid portal protein	96909-96939	6:03:01
CCCTTACCGCTTCCGCCTCACCGTGGTTACC						
97864	97880	97406	99997	CDS product helicase-primase helicase subunit	97864-97880	4:01:01
CCTTCTAACCCACCACC						
99048	99070	97406	99997	CDS product helicase-primase helicase subunit	99048-99070	5:02:01
GGATGGAATACTGGTCTCGGAGG						
99573	99592	97406	99997	CDS product helicase-primase helicase subunit	99573-99592	4:01:01
CCTTAATCGCCGCCGAATCC						
100072	100092	100065	100775	CDS product nuclear protein UL4	100072-100092	5:02:01 CCACCAGACAACCTTCCACCC
100394	100415	100065	100775	CDS product nuclear protein UL4	100394-100415	5:02:01 GGTTGGTCCGGTGTGGGATGG
101322	101346	100841	101386	CDS product protein V57	101322-101346	5:02:01 CCATGGAAGCCGCCCTCCCAACACC
101943	101961	101390	101995	CDS product nuclear protein UL3	101943-101961	4:01:01 CCGGCCATCCCCATTCCCC
102543	102573	102101	102982	CDS product uracil-DNA glycosylase	102543-102573	5:02:01
GGCCATTGGCTTGACCGGGTCCGTGGTATGG						

103079	103089	103037	103480	CDS product envelope glycoprotein L	103079-103089	4:01:01	GGAGGCGGTGG
104207	104229	104175	105671	CDS product ubiquitin E3 ligase ICP0	104207-104229	4:01:01	
				CCCAGATACCCTCCTACGACCCC			
104441	104460	104175	105671	CDS product ubiquitin E3 ligase ICP0	104441-104460	4:01:01	GGTGTGGGAGGTCCATCGG
105629	105653	104175	105671	CDS product ubiquitin E3 ligase ICP0	105629-105653	4:01:01	
				GGGATCAAGGCATATTGGACAGTGG			
107245	107263	107219	111415	CDS product transcriptional regulator ICP4	107245-107263	4:01:01	
				CCATCCACTCTCCGCGTCC			
107430	107453	107219	111415	CDS product transcriptional regulator ICP4	107430-107453	4:01:01	
				CCTGTTTTCCAAATCCCGAGTCCC			
107668	107687	107219	111415	CDS product transcriptional regulator ICP4	107668-107687	4:01:01	
				GGCACGATGGCTGTGGGCGG			
107736	107754	107219	111415	CDS product transcriptional regulator ICP4	107736-107754	4:01:01	
				CCTCCATATCCTTACACCC			
107790	107815	107219	111415	CDS product transcriptional regulator ICP4	107790-107815	4:01:01	
				GGGGTAACATGGGAACGGGTGTGCGG			
107965	107985	107219	111415	CDS product transcriptional regulator ICP4	107965-107985	4:01:01	
				GGAGAGGTCCTCTAGGGCCGG			
107973	107995	107219	111415	CDS product transcriptional regulator ICP4	107973-107995	4:01:01	
				CCTCTAGGGCCGCCAGCGCACC			
108007	108058	107219	111415	CDS product transcriptional regulator ICP4	108007-108058	9:06:02	
				GGTCGGGGTGACCGTGGCGCGGATGTATAGGTGGTAATGGCTCACGGCCGGG			
108054	108071	107219	111415	CDS product transcriptional regulator ICP4	108054-108071	4:01:01	

CCGGGCCCCGTCGCCGGCC						
108216	108242	107219	111415	CDS product transcriptional regulator ICP4	108216-108242	5:02:01
CCGGGGGACCACTCCAATTCCTGCCC						
108256	108271	107219	111415	CDS product transcriptional regulator ICP4	108256-108271	5:02:01 GGGGAGAGGAGGCGG
108468	108500	107219	111415	CDS product transcriptional regulator ICP4	108468-108500	8:05:02
CCACCAGCCCCCGAGACCTGTACCCTCCTGCC						
108646	108659	107219	111415	CDS product transcriptional regulator ICP4	108646-108659	4:01:01 GGTGGGTCTGGGG
108719	108747	107219	111415	CDS product transcriptional regulator ICP4	108719-108747	5:02:01
GGCATGGGTCCAAGGGGACCCCTAGGGG						
108763	108774	107219	111415	CDS product transcriptional regulator ICP4	108763-108774	4:01:01 GGTGGGTGGTGG
108817	108861	107219	111415	CDS product transcriptional regulator ICP4	108817-108861	7:04:01
GGCATCGATGGGGAGGTTGCCGGATGCGTGGCCCCGGGGAAGCGG						
108889	108921	107219	111415	CDS product transcriptional regulator ICP4	108889-108921	7:04:01
GGATTGGGGGCGGTGAGGTGGGTGAAAGGGG						
109029	109047	107219	111415	CDS product transcriptional regulator ICP4	109029-109047	5:02:01
CCTCCACCGTGACTCCCCC						
109066	109106	107219	111415	CDS product transcriptional regulator ICP4	109066-109106	9:06:02
GGTCGCCCGGGGGTGGGAGTATGGGGTTCGGGGTACCGG						
109103	109117	107219	111415	CDS product transcriptional regulator ICP4	109103-109117	4:01:01 CCGGCGACCTCCTCC
109215	109232	107219	111415	CDS product transcriptional regulator ICP4	109215-109232	4:01:01
GGGGGCCAGGGTCCTGG						
109397	109435	107219	111415	CDS product transcriptional regulator ICP4	109397-109435	6:03:01
GGGGGGCAGACGGCGAGGGGTACTTGGCCACCGAGGGG						

109579 109599 107219 111415 CDS product transcriptional regulator ICP4 GGGAGTTGGTATCTGGGTGGG	109579-109599	4:01:01	
109602 109630 107219 111415 CDS product transcriptional regulator ICP4 CCCCCGTTCCCCTGGTCGTCCCCCGCC	109602-109630	6:03:01	
109687 109716 107219 111415 CDS product transcriptional regulator ICP4 GGATGTGGGGGTTTTTGGGGGGCGTCGGG	109687-109716	6:03:01	
109881 109916 107219 111415 CDS product transcriptional regulator ICP4 GGGGGAGAGCCAGGAGAGGGTCCATGGTCGCCATGG	109881-109916	6:03:01	
109929 109943 107219 111415 CDS product transcriptional regulator ICP4	109929-109943	4:01:01	GGGGGAGGGGATTGG
109977 109991 107219 111415 CDS product transcriptional regulator ICP4	109977-109991	4:01:01	GGGGGCCGTGGATGG
110140 110162 107219 111415 CDS product transcriptional regulator ICP4 GGGAACCGGGCCGGGTCCGCGG	110140-110162	4:01:01	
110190 110232 107219 111415 CDS product transcriptional regulator ICP4 CCGGAGCGTCCCACAGACCTTCCCTCGAGTCCCGATCCCCC	110190-110232	7:04:01	
110268 110283 107219 111415 CDS product transcriptional regulator ICP4	110268-110283	4:01:01	CCGGCCAGACCTCTCC
110300 110316 107219 111415 CDS product transcriptional regulator ICP4 GGTCCTGTGGTTGGGGG	110300-110316	4:01:01	
110341 110363 107219 111415 CDS product transcriptional regulator ICP4 CCTTTCCGAGATCCTCTCGGCC	110341-110363	4:01:01	
110383 110421 107219 111415 CDS product transcriptional regulator ICP4 GGCCCCGCGAAGTCTGGAACCTGGGGGGCGGGATAGCGG	110383-110421	7:04:01	
110584 110613 107219 111415 CDS product transcriptional regulator ICP4 GGCAGGCCGAGGGGGAGACGGGGTCCCCGG	110584-110613	6:03:01	

110630	110666	107219	111415	CDS product transcriptional regulator ICP4	110630-110666	7:04:01	
GGTGGTGGCTGGTGGCGATGGGGACCGTGAGGTGCTGG							
110878	110933	107219	111415	CDS product transcriptional regulator ICP4	110878-110933	9:06:02	
GGGGCTATGGGCGGATGAATCGGTGATGGAGAGGGCGTTGCTGGGATGGGAACAGG							
111056	111089	107219	111415	CDS product transcriptional regulator ICP4	111056-111089	8:05:02	
GGGGGTGGTGGTGGTTAGTGGTGGGTCCCGAGG							
114453	114474	114384	115388	CDS product regulatory protein ICP22	114453-114474	4:01:01	
GGAGCGGTCGATTGGGTCATGG							
114539	114556	114384	115388	CDS product regulatory protein ICP22	114539-114556	4:01:01	CCCAGTCCCATCCTCCCC
114916	114934	114384	115388	CDS product regulatory protein ICP22	114916-114934	4:01:01	CCAACGTCCGACCAGAGCC
114977	115017	114384	115388	CDS product regulatory protein ICP22	114977-115017	7:04:01	
CCCCTGCGAGCCACCTTACGCCACCTCAATACCACTGAACC							
115112	115124	114384	115388	CDS product regulatory protein ICP22	115112-115124	4:01:01	GGTGAGGGGGTGG
115243	115261	114384	115388	CDS product regulatory protein ICP22	115243-115261	4:01:01	GGATGAAACGGAGGATCGG
115707	115730	115629	116270	CDS product virion protein US10	115707-115730	4:01:01	GGGGGGACTCCGCGGATCACGCGG
115828	115852	115629	116270	CDS product virion protein US10	115828-115852	4:01:01	GGACATATGGCCCGGGTATATCGG
115891	115905	115629	116270	CDS product virion protein US10	115891-115905	4:01:01	GGAGGGTAGCGGGG
115970	115992	115629	116270	CDS product virion protein US10	115970-115992	4:01:01	CCCGCAAACCCAGAATCCCATCC
118694	118713	117698	118753	CDS product serine/threonine protein kinase US3	118694-118713	4:01:01	
CCAAGTTCCGACCATCGGCC							
119461	119485	118880	120184	CDS product envelope glycoprotein G	119461-119485	4:01:01	
CCATTTGACCATCATCCCCAAAGCC							
119911	119927	118880	120184	CDS product envelope glycoprotein G	119911-119927	5:02:01	CCACCACCAACCCATCC

121287 121316 120583 121707 CDS product envelope glycoprotein D
 CCCTATAACCCACAACCTCACCATAAAGCC
 122129 122150 121834 122988 CDS product envelope glycoprotein I
 123559 123577 123167 124765 CDS product envelope glycoprotein E
 123915 123930 123167 124765 CDS product envelope glycoprotein E
 125548 125577 125212 125670 CDS product membrane protein US9
 GGCGACGGAGGCGGTGTCTGGTGGCACTGG
 126239 126261 125963 126604 CDS product virion protein US10
 126326 126340 125963 126604 CDS product virion protein US10
 126379 126403 125963 126604 CDS product virion protein US10
 126501 126524 125963 126604 CDS product virion protein US10
 126970 126988 126845 127849 CDS product regulatory protein ICP22
 127107 127119 126845 127849 CDS product regulatory protein ICP22
 127214 127254 126845 127849 CDS product regulatory protein ICP22
 GGTTCAGTGGTATTGAGGTGGCGTAAGGTGGCTCGCAGGGG
 127297 127315 126845 127849 CDS product regulatory protein ICP22
 127675 127692 126845 127849 CDS product regulatory protein ICP22
 127757 127778 126845 127849 CDS product regulatory protein ICP22
 CCATGACCCAATCGACCGCTCC
 131142 131175 130818 135014 CDS product transcriptional regulator ICP4
 CCTCGGGACCCACCCTAAACCACCACCACCC
 131298 131353 130818 135014 CDS product transcriptional regulator ICP4
 CCTGTTCCCATCCCAGCAACGCCCTCTCCATCACCGATTCATCGCCCATAGCCCC

121287-121316 5:02:01
 122129-122150 4:01:01 CCGGTCCTGTCTCCACAAGACC
 123559-123577 4:01:01 GGCCTTGGTATTACAGGGG
 123915-123930 4:01:01 CCCCCATGCCGCATCC
 125548-125577 7:04:01
 126239-126261 4:01:01 GGATGGGATTCTGTTTTGCGGG
 126326-126340 4:01:01 CCCCCGCTACCCTCC
 126379-126403 4:01:01 CCGATATACCCGGGCCATATGTCC
 126501-126524 4:01:01 CCGCGTGATCCGCGGAGTCCCCC
 126970-126988 4:01:01 CCGATCCTCCGTTTCATCC
 127107-127119 4:01:01 CCACCCCTCACC
 127214-127254 7:04:01
 127297-127315 4:01:01 GGCTCTGGTCGGACGTTGG
 127675-127692 4:01:01 GGGGAGGATGGGACTGGG
 127757-127778 4:01:01
 131142-131175 8:05:02
 131298-131353 9:06:02

131565	131601	130818	135014	CDS product transcriptional regulator ICP4	131565-131601	7:04:01	
CCAGCACCTCACGGTCCCCATCGCCACCAGCACCACC							
131618	131647	130818	135014	CDS product transcriptional regulator ICP4	131618-131647	6:03:01	
CCGGGGACCCCGTCTCCCCCTCGGCCTGCC							
131810	131848	130818	135014	CDS product transcriptional regulator ICP4	131810-131848	7:04:01	
CCGCTATCCCGCCCCCAGGTTCCAGACTTCCGCGGGCC							
131868	131890	130818	135014	CDS product transcriptional regulator ICP4	131868-131890	4:01:01	
GGGCCGAGAGGATCTCGGAAAGG							
131915	131931	130818	135014	CDS product transcriptional regulator ICP4	131915-131931	4:01:01	
CCCCCAACCACAGGACC							
131948	131963	130818	135014	CDS product transcriptional regulator ICP4	131948-131963	4:01:01	GGAGAGGTCTGGCCGG
131999	132041	130818	135014	CDS product transcriptional regulator ICP4	131999-132041	7:04:01	
GGGGGGATCGGGGACTCGAGGGAAGGTCTGTGGGACGCTCCGG							
132069	132091	130818	135014	CDS product transcriptional regulator ICP4	132069-132091	4:01:01	
CCGCGGACCCCGGCCCGTTCCC							
132240	132254	130818	135014	CDS product transcriptional regulator ICP4	132240-132254	4:01:01	CCATCCACGGCCCCC
132288	132302	130818	135014	CDS product transcriptional regulator ICP4	132288-132302	4:01:01	CCAATCCCCTCCCCC
132315	132350	130818	135014	CDS product transcriptional regulator ICP4	132315-132350	6:03:01	
CCATGGCGACCATGGACCCCTCTCCTGGCTCTCCCCC							
132515	132544	130818	135014	CDS product transcriptional regulator ICP4	132515-132544	6:03:01	
CCCAGCGCCCCCCCCAAAACCCCCACATCC							
132601	132629	130818	135014	CDS product transcriptional regulator ICP4	132601-132629	6:03:01	
GGCGGGGGGACGACCAGGGGAACGGGGG							

132632	132652	130818	135014	CDS product transcriptional regulator ICP4	132632-132652	4:01:01	
CCCACCCAGATACCAACTCCC							
132796	132834	130818	135014	CDS product transcriptional regulator ICP4	132796-132834	6:03:01	
CCCCTCGGTGGCCAAGTACCCCTCGCCGGTCTGCCCCC							
132999	133016	130818	135014	CDS product transcriptional regulator ICP4	132999-133016	4:01:01	
CCAGGACCCTGGCCCCC							
133114	133128	130818	135014	CDS product transcriptional regulator ICP4	133114-133128	4:01:01	GGAGGAGGTCGCCG
133125	133165	130818	135014	CDS product transcriptional regulator ICP4	133125-133165	9:06:02	
CCGGTACCCCGACCCCATACTCCACCCCGGGCGACC							
133184	133202	130818	135014	CDS product transcriptional regulator ICP4	133184-133202	5:02:01	
GGGGGAGTCACGGTGGAGG							
133310	133342	130818	135014	CDS product transcriptional regulator ICP4	133310-133342	7:04:01	
CCCCTTTCACCCACCTCACCGCCCCAATCC							
133370	133414	130818	135014	CDS product transcriptional regulator ICP4	133370-133414	7:04:01	
CCGCTTCCCCGGGGCCACGCATCCGGCAACCTCCCCATCGATGCC							
133457	133468	130818	135014	CDS product transcriptional regulator ICP4	133457-133468	4:01:01	CCACCACCCACC
133484	133512	130818	135014	CDS product transcriptional regulator ICP4	133484-133512	5:02:01	
CCCCCTAGGGGTCCCCTTGACCCATGCC							
133572	133585	130818	135014	CDS product transcriptional regulator ICP4	133572-133585	4:01:01	CCCCCAGACCCACC
133731	133763	130818	135014	CDS product transcriptional regulator ICP4	133731-133763	8:05:02	
GGCAGGAGGGTACAGGTCTCGGGGGCTGGTGG							
133960	133975	130818	135014	CDS product transcriptional regulator ICP4	133960-133975	5:02:01	CCGCCTCCTCTCCCCC
133989	134015	130818	135014	CDS product transcriptional regulator ICP4	133989-134015	5:02:01	

GGGCAGGGAATTGGAGTGGTCCCCCGG						
134160	134177	130818	135014	CDS product transcriptional regulator ICP4	134160-134177	4:01:01
GGCCGGCGACGGGCCCGG						
134173	134224	130818	135014	CDS product transcriptional regulator ICP4	134173-134224	9:06:02
CCCGGCCGTGAGCCATTACCACCTATACATCCGCGCCACGGTCACCCCGACC						
134236	134258	130818	135014	CDS product transcriptional regulator ICP4	134236-134258	4:01:01
GGTGCGCTGGCCGGCCCTAGAGG						
134246	134266	130818	135014	CDS product transcriptional regulator ICP4	134246-134266	4:01:01
CCGGCCCTAGAGGACCTCTCC						
134416	134441	130818	135014	CDS product transcriptional regulator ICP4	134416-134441	4:01:01
CCGCACACCCGTTCCCATGTTACCCC						
134477	134495	130818	135014	CDS product transcriptional regulator ICP4	134477-134495	4:01:01
GGGTGTAAGGATATGGAGG						
134544	134563	130818	135014	CDS product transcriptional regulator ICP4	134544-134563	4:01:01
CCGCCCACAGCCATCGTGCC						
134778	134801	130818	135014	CDS product transcriptional regulator ICP4	134778-134801	4:01:01
GGGACTCGGGATTTGGAAAACAGG						
134968	134986	130818	135014	CDS product transcriptional regulator ICP4	134968-134986	4:01:01
GGACGCGGAGAGTGGATGG						

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450	487	420	1028	CDS product membrane protein UL56	450-487	8:05:02	CCTCCTCGGTTTCCATTTCATGTGTCCACCACCGCCC
680	693	420	1028	CDS product membrane protein UL56	680-693	4:01:01	CCATCCAGGCCGCC

1332	1356	1069	1683	CDS product membrane protein V1	1332-1356	4:01:01	GGCATCGGTACAGCGGTCTGTGGGG
1369	1383	1069	1683	CDS product membrane protein V1	1369-1383	4:01:01	GGTGGTGAGGCGGGG
1518	1536	1069	1683	CDS product membrane protein V1	1518-1536	4:01:01	GGTGGAGGGGCGCGCTGG
2237	2263	1960	2733	CDS product myristylated tegument protein CIRC		2237-2263	5:02:01
GGTCTTTGGCTACGAGGATGGTACCGG							
2456	2491	1960	2733	CDS product myristylated tegument protein CIRC		2456-2491	6:03:01
CCTACTGGGCCAGACCAAGAGCTCCACGCACCGTCC							
2557	2575	1960	2733	CDS product myristylated tegument protein CIRC		2557-2575	4:01:01
GGCTAAGAGGCAAGGGAGG							
3176	3192	2766	3368	CDS product nuclear protein UL55	3176-3192	4:01:01	GGCTGGCTGGGATGTGG
3795	3810	3588	5000	CDS product multifunctional expression regulator		3795-3810	4:01:01
CCGCTCCCAACCGCCC							
4515	4531	3588	5000	CDS product multifunctional expression regulator		4515-4531	4:01:01
CCTGCGCCGCCATGTCC							
4595	4628	3588	5000	CDS product multifunctional expression regulator		4595-4628	5:02:01
CCGCTTTGGCCAGCTCCGCGCTGCCTGGTGCGCC							
4717	4734	3588	5000	CDS product multifunctional expression regulator		4717-4734	4:01:01
CCTGGCCAAACCCCGGCC							
6798	6824	6180	9422	CDS product helicase-primase primase subunit		6798-6824	5:02:01
CCTCCGTAAACCTCGCCAGAGTCGCCC							
6839	6857	6180	9422	CDS product helicase-primase primase subunit		6839-6857	4:01:01
GGGAAGGCGAAGGCTGCGG							
6994	7015	6180	9422	CDS product helicase-primase primase subunit		6994-7015	6:03:01

GGAGGTAAGGGGTGGCACTGG						
7744	7761	6180	9422	CDS product helicase-primase primase subunit	7744-7761	4:01:01
GGCGCTTGGAAGGCAGGG						
7935	7969	6180	9422	CDS product helicase-primase primase subunit	7935-7969	5:02:01
GGTGACGAGGAATGGACACCCTGGGGTTTGTGGG						
7988	8003	6180	9422	CDS product helicase-primase primase subunit	7988-8003	4:01:01 CCAACCGCGGCCCGCC
8573	8590	6180	9422	CDS product helicase-primase primase subunit	8573-8590	4:01:01
GGGATTTGGTGCGGCCGG						
8810	8832	6180	9422	CDS product helicase-primase primase subunit	8810-8832	5:02:01
GGAGGTAAACCGGAGCGGCCGG						
8885	8898	6180	9422	CDS product helicase-primase primase subunit	8885-8898	4:01:01 GGCAGCGGCGGCGG
9043	9063	6180	9422	CDS product helicase-primase primase subunit	9043-9063	4:01:01
CCAACGCCCGGGCTCCCGTCC						
9123	9136	6180	9422	CDS product helicase-primase primase subunit	9123-9136	4:01:01 CCTCCCACCATACC
9221	9239	6180	9422	CDS product helicase-primase primase subunit	9221-9239	4:01:01
CCAACCGTCACCAGTGTCC						
9506	9525	9421	10158	CDS product tegument protein UL51	9506-9525	4:01:01 CCCATCTACCATGCTCCGCC
9697	9719	9421	10158	CDS product tegument protein UL51	9697-9719	4:01:01 CCGACAACCCAAACCTAAACGCC
10040	10053	9421	10158	CDS product tegument protein UL51	10040-10053	4:01:01 CCCTCTCTCCCCC
11992	12003	11676	12593	CDS product tegument protein VP22	11992-12003	4:01:01 GGTTGGTGGTGG
12473	12498	11676	12593	CDS product tegument protein VP22	12473-12498	4:01:01 GGATATGCGGCAGCTGGGCACAACGG
20103	20132	19564	20247	CDS product membrane protein UL45	20103-20132	7:04:01
GGTGGGTGTAGGGGAGTTGGCAACGGGGG						

23784	23799	23577	24797	CDS product DNA polymerase processivity subunit	23784-23799 4:01:01 GGCTGGGTCGGGTAGG
48100	48115	47924	49789	CDS product DNA packaging protein UL32	48100-48115 4:01:01 CCCACGCCACGCCCC
48322	48339	47924	49789	CDS product DNA packaging protein UL32	48322-48339 4:01:01 CCACCATGTGCCGTGGCC
48550	48565	47924	49789	CDS product DNA packaging protein UL32	48550-48565 4:01:01 GGACCCGGTATGGCGG
48672	48695	47924	49789	CDS product DNA packaging protein UL32	48672-48695 4:01:01 GGCTGGGCTACACGGTAGACATGG
48708	48734	47924	49789	CDS product DNA packaging protein UL32	48708-48734 6:03:01
GGCAGATGGGGCGGTGGAGTGTTTGG					
49149	49168	47924	49789	CDS product DNA packaging protein UL32	49149-49168 4:01:01 GGACACGGCCACTGGGCCGG
49393	49407	47924	49789	CDS product DNA packaging protein UL32	49393-49407 5:02:01 GGGGGTGGCGGTGGG
49543	49565	47924	49789	CDS product DNA packaging protein UL32	49543-49565 5:02:01 CCCATAGGCCCCCTCCAGAACC
50814	50837	50686	54348	CDS product DNA polymerase catalytic subunit	50814-50837 5:02:01
GGGGTCTTGTGGGGGTTTCCGG					
50977	50995	50686	54348	CDS product DNA polymerase catalytic subunit	50977-50995 4:01:01
GGGTCTTCGGCGAGGTCGG					
51036	51055	50686	54348	CDS product DNA polymerase catalytic subunit	51036-51055 4:01:01
GGTGGCCACGGGTTTGGGG					
51186	51201	50686	54348	CDS product DNA polymerase catalytic subunit	51186-51201 4:01:01 GGTGAGGTGTGGCAGG
51377	51396	50686	54348	CDS product DNA polymerase catalytic subunit	51377-51396 4:01:01
CCTCTGCGGCCGCCGTGGCC					
51628	51645	50686	54348	CDS product DNA polymerase catalytic subunit	51628-51645 4:01:01
CCCAGCTCCGATACCCCC					
51708	51729	50686	54348	CDS product DNA polymerase catalytic subunit	51708-51729 4:01:01
GGAGTAAGGCTTGTGGTTTTGG					

51868	51890	50686	54348	CDS product DNA polymerase catalytic subunit	51868-51890 5:02:01
CCGTTTGCCACCCCGTGAATCC					
52244	52314	50686	54348	CDS product DNA polymerase catalytic subunit	52244-52314 12:09:03
CCTTTGCTCCCTGATAGCCCACGGCCCTTCCGGCGCCGGGCTTCCGCCTCCATTTCCGAAGCCATGACC					
52639	52667	50686	54348	CDS product DNA polymerase catalytic subunit	52639-52667 5:02:01
CCTATTACGCCCCGCCGGTCGGGCCCCGCC					
53178	53205	50686	54348	CDS product DNA polymerase catalytic subunit	53178-53205 4:01:01
GGAGATCTGGATGACCAGGTCCTCTTGG					
53301	53324	50686	54348	CDS product DNA polymerase catalytic subunit	53301-53324 4:01:01
GGGGATCGGCTCTAGGTTATCTGG					
53396	53415	50686	54348	CDS product DNA polymerase catalytic subunit	53396-53415 4:01:01
GGGTGCCTGGCCGCAGGCGG					
53531	53545	50686	54348	CDS product DNA polymerase catalytic subunit	53531-53545 4:01:01 GGCGGCTGCTGGAGG
53644	53672	50686	54348	CDS product DNA polymerase catalytic subunit	53644-53672 8:05:02
CCGCCCCACCATCCCCGCCACTGCCGCC					
53683	53706	50686	54348	CDS product DNA polymerase catalytic subunit	53683-53706 5:02:01
CCGCCGTTGCCATTTCCCAGGGCC					
53995	54028	50686	54348	CDS product DNA polymerase catalytic subunit	53995-54028 6:03:01
CCATAGCCCCGAAAATCCTGGCCGTTCCAAACCC					
54143	54154	50686	54348	CDS product DNA polymerase catalytic subunit	54143-54154 4:01:01 GGTAGGCGGGGG
54221	54250	50686	54348	CDS product DNA polymerase catalytic subunit	54221-54250 5:02:01
GGGGGGGCTGGGGCGCTCGGTCTCTGCGG					
58873	58910	58386	60713	CDS product DNA packaging terminase subunit 2	58873-58910 6:03:01

GGGGTTCGAGGCCGGCCTCGAGGCCTTGGACAGCGTGG					
58933	58958	58386	60713	CDS product DNA packaging terminase subunit 2	58933-58958 4:01:01
GGGCAGCGGCATTGTGGTACCCCCGG					
58969	58987	58386	60713	CDS product DNA packaging terminase subunit 2	58969-58987 4:01:01
CCCCACCCATCCCTGCTCC					
59170	59194	58386	60713	CDS product DNA packaging terminase subunit 2	59170-59194 4:01:01
GGCTCTCCGGGCCCTCGAGGCAAGG					
60989	61014	60872	63514	CDS product envelope glycoprotein B	60989-61014 7:04:01 CCTGCCCACCGCTACCGGATCCACC
61369	61395	60872	63514	CDS product envelope glycoprotein B	61369-61395 5:02:01 CCAGGGGCCAGAGCCTGGCAGACCACC
61416	61434	60872	63514	CDS product envelope glycoprotein B	61416-61434 4:01:01 GGGGTGGATGCCATGGAGG
61470	61485	60872	63514	CDS product envelope glycoprotein B	61470-61485 5:02:01 GGAGGTGGAGGCGCGG
61505	61521	60872	63514	CDS product envelope glycoprotein B	61505-61521 4:01:01 CCTTCGCCCTGTCCACC
62060	62077	60872	63514	CDS product envelope glycoprotein B	62060-62077 4:01:01 CCAACCGCACCTACGACC
62144	62167	60872	63514	CDS product envelope glycoprotein B	62144-62167 5:02:01 CCATACCAGAACCTCAGCCAACCC
62220	62234	60872	63514	CDS product envelope glycoprotein B	62220-62234 4:01:01 GGAGGCAACGGAAGG
63015	63044	60872	63514	CDS product envelope glycoprotein B	63015-63044 5:02:01
GGGCCTGGGTAAAGTGGGGGAAGCAGTGGG					
63354	63376	60872	63514	CDS product envelope glycoprotein B	63354-63376 4:01:01 GGTTCGGCCCTGAAAAAGCAGG
69088	69105	69044	70102	CDS product thymidine kinase	69088-69105 4:01:01 GGGGCGCCGCCAGGCGG
69359	69379	69044	70102	CDS product thymidine kinase	69359-69379 6:03:01 CCACCCCTACCTTATCCTCC
69428	69444	69044	70102	CDS product thymidine kinase	69428-69444 4:01:01 CCAGACCAGACCTAACCC
69456	69477	69044	70102	CDS product thymidine kinase	69456-69477 5:02:01 CCGCCACCCGGTCGCCTCTGCC
69536	69563	69044	70102	CDS product thymidine kinase	69536-69563 5:02:01 CCATGGTCGCCACCCTACCCAGGGAACC

69724	69751	69044	70102	CDS product thymidine kinase	69724-69751 5:02:01 GGGAGAGTCTGGCGCGACGGCTGGGGGG
70616	70633	70329	72884	CDS product envelope glycoprotein H	70616-70633 4:01:01 CCTCCGCAACACCAACCC
70649	70674	70329	72884	CDS product envelope glycoprotein H	70649-70674 4:01:01 CCAGAACCTGGGGACCCACGTGGACC
70892	70905	70329	72884	CDS product envelope glycoprotein H	70892-70905 4:01:01 GGTGAGGAAGGCGG
71286	71303	70329	72884	CDS product envelope glycoprotein H	71286-71303 4:01:01 GGATTTCCCGGGAGGTGG
71527	71546	70329	72884	CDS product envelope glycoprotein H	71527-71546 5:02:01 CCTCCGCCTTATTGTCCCCC
72639	72658	70329	72884	CDS product envelope glycoprotein H	72639-72658 4:01:01 CCATCCCGCCTTTAATCCC
87321	87351	86725	87795	CDS product hypothetical protein	87321-87351 5:02:01
GGCTACTTGGTGAAAGGCGTCTGAGGAGCGG					
87471	87489	86725	87795	CDS product hypothetical protein	87471-87489 4:01:01 GGCATCCACGGAGGAGGGG
87610	87641	86725	87795	CDS product hypothetical protein	87610-87641 6:03:01
GGAACAACGGTCTGGTGGCGCTGGGGAGTAGG					
87770	87788	86725	87795	CDS product hypothetical protein	87770-87788 4:01:01 CCCTGCCCAGCACCTACC
87834	87855	87824	88777	CDS product tegument protein UL14	87834-87855 4:01:01 GGCAAGGTCTAGGCGCCAAAGG
88084	88110	87824	88777	CDS product tegument protein UL14	88084-88110 4:01:01 GGGGAGATACTGGACAGGCATCGCAGG
88213	88232	87824	88777	CDS product tegument protein UL14	88213-88232 6:03:01 GGAGGCGGTGGTGAGGTCCG
88329	88361	87824	88777	CDS product tegument protein UL14	88329-88361 4:01:01
CCCTCATTCTCCCCGCTCAACCTGTCTCGCCCC					
88650	88682	87824	88777	CDS product tegument protein UL14	88650-88682 7:04:01
GGTCGGCCCCGGTCGATCAGGAATGGCTGGGTGG					
88929	88953	88246	90030	CDS product tegument serine/threonine protein kinase	88929-88953 5:02:01
GGAGGCGCCGGTAGCTACGGGGAGG					
89760	89782	88246	90030	CDS product tegument serine/threonine protein kinase	89760-89782 5:02:01

CCTGCCCTATTTCTACCACCCC					
89928	89942	88246	90030	CDS product tegument serine/threonine protein kinase	89928-89942 4:01:01
CCTTCCGCCTTTACC					
91999	92015	91995	93347	CDS product envelope glycoprotein M	91999-92015 4:01:01 GGTACTCTCGGTGGTGG
92327	92343	91995	93347	CDS product envelope glycoprotein M	92327-92343 4:01:01 GGCTTTGGACGCGGTGG
92398	92418	91995	93347	CDS product envelope glycoprotein M	92398-92418 4:01:01 GGGTGGCTACGGCCAGCGTGG
92526	92550	91995	93347	CDS product envelope glycoprotein M	92526-92550 4:01:01 CCCACGGCAACCGTCACCGTTTGCC
92650	92669	91995	93347	CDS product envelope glycoprotein M	92650-92669 4:01:01 CCGCGCGTCCGGGTCCGGCC
92800	92816	91995	93347	CDS product envelope glycoprotein M	92800-92816 4:01:01 CCGCCCCAAAAGTACC
96178	96213	95940	98195	CDS product helicase-primase subunit	96178-96213 5:02:01
GGCTGTGCCGGGGTGTGGCCCCCTGGCTCCCCCTGGG					
96242	96257	95940	98195	CDS product helicase-primase subunit	96242-96257 4:01:01 GGTGGCATAACGGCGG
96339	96352	95940	98195	CDS product helicase-primase subunit	96339-96352 4:01:01 CCCTCCGACCCGCC
96361	96378	95940	98195	CDS product helicase-primase subunit	96361-96378 6:03:01 GGATGGAGGCGGTGGCGG
96415	96441	95940	98195	CDS product helicase-primase subunit	96415-96441 5:02:01
GGTGGAGGTAGACTTGACCCAGCGGG					
96983	97002	95940	98195	CDS product helicase-primase subunit	96983-97002 4:01:01 GGGCTGTGGCCGGCTCTAGG
97024	97064	95940	98195	CDS product helicase-primase subunit	97024-97064 7:04:01
GGCTCCATGGGAACCGGAAGATAGGTGGCCCGGTGAATCGG					
97074	97096	95940	98195	CDS product helicase-primase subunit	97074-97096 4:01:01 GGGTAGATGGGGTGGCACACAGG
97114	97136	95940	98195	CDS product helicase-primase subunit	97114-97136 6:03:01 GGATGGTTGGGGGCGCGAAGGG
97342	97375	95940	98195	CDS product helicase-primase subunit	97342-97375 5:02:01
CCCCGTGGCCTATAGGTCCATAATAGCCCTCGCC					

97448 97467 95940 98195 CDS product helicase-primase subunit
 97715 97736 95940 98195 CDS product helicase-primase subunit
 99628 99647 98997 101072 CDS product capsid portal protein
 99670 99706 98997 101072 CDS product capsid portal protein
 CCTCGTGCCCTAGTCCTCCTGCGCCGGCCTTGGCGCC
 99749 99764 98997 101072 CDS product capsid portal protein
 99829 99860 98997 101072 CDS product capsid portal protein
 CCAGAAGCCCCTATTCCCGGCCCTCAGGTCC
 99891 99913 98997 101072 CDS product capsid portal protein
 100495 100520 98997 101072 CDS product capsid portal protein
 CCAGTTCCACCACTGCCTCAAGCCCC
 100626 100647 98997 101072 CDS product capsid portal protein
 100706 100737 98997 101072 CDS product capsid portal protein
 GGCAAAGCTGGCGGTGCCGTCTGGGCTCGCTGG
 104139 104159 103937 104605 CDS product nuclear protein UL4
 104208 104220 103937 104605 CDS product nuclear protein UL4
 104414 104433 103937 104605 CDS product nuclear protein UL4
 104575 104595 103937 104605 CDS product nuclear protein UL4
 120061 120093 119988 120854 CDS product regulatory protein ICP22
 CCCCATCATCCCGTCCCTGACCCCTCCCCCCC
 120103 120122 119988 120854 CDS product regulatory protein ICP22
 120161 120186 119988 120854 CDS product regulatory protein ICP22
 GGTGGCTCGGACCATCCGAATACGG

97448-97467 4:01:01 GGCTTTTGGGGGGCAGCTGG
 97715-97736 4:01:01 GGGGCCGGCAGGGCCGCAAAGG
 99628-99647 4:01:01 CCACGTAGCCGTCTCTCCC
 99670-99706 7:04:01
 99749-99764 4:01:01 CCCGTCGGCCGCCGCC
 99829-99860 5:02:01
 99891-99913 4:01:01 CCCTCCAACATTCCGTTTATGCC
 100495-100520 5:02:01
 100626-100647 5:02:01 GGGTGGACGGTTGCGCCGGGGG
 100706-100737 5:02:01
 104139-104159 4:01:01 GCGGTTGGTGCTGGACTGCGG
 104208-104220 4:01:01 CCCCCTGACCACC
 104414-104433 4:01:01 CCGCGTGTTCCACCGCTGCC
 104575-104595 4:01:01 CCGTGTTTCCCATGCCTTTCC
 120061-120093 7:04:01
 120103-120122 4:01:01 CCCGTCCCCACGCTCCAGCC
 120161-120186 5:02:01

120191 120235 119988 120854 CDS product regulatory protein ICP22
 CCGCTTTCCCGAGGGCCCTGCGCCCGTACCTGGCCCGGGGGCCC
 120223 120239 119988 120854 CDS product regulatory protein ICP22
 120315 120337 119988 120854 CDS product regulatory protein ICP22
 CCACCTCCTCGATCCACGTGACC
 120521 120537 119988 120854 CDS product regulatory protein ICP22
 120592 120614 119988 120854 CDS product regulatory protein ICP22
 GGAGGAAGACGAGGCCAGCGTGG
 120744 120790 119988 120854 CDS product regulatory protein ICP22
 CCGATACGCCCAACAACCACCCTACAACCCGCGCCAGCGCTGCC
 120799 120816 119988 120854 CDS product regulatory protein ICP22
 121459 121490 121409 122113 CDS product virion protein US10
 GGCGAGGAGTCCGGAGCGGGGATGGGGACGGG
 121590 121603 121409 122113 CDS product virion protein US10
 121762 121777 121409 122113 CDS product virion protein US10
 121990 122004 121409 122113 CDS product virion protein US10
 122016 122054 121409 122113 CDS product virion protein US10
 CCTGCGCGCCCGTGGCCGCAAGCTCCCGCTCCAGCTTCC
 122079 122093 121409 122113 CDS product virion protein US10
 127658 127702 127508 129142 CDS product envelope glycoprotein J
 CCCCCACCACAACCCACACATCCTCCCCATCTCCAACCTCTACCC
 127760 127779 127508 129142 CDS product envelope glycoprotein J
 127793 127808 127508 129142 CDS product envelope glycoprotein J

120191-120235 7:04:01
 120223-120239 4:01:01 GGCCCGGGGGCCCGGGG
 120315-120337 5:02:01
 120521-120537 4:01:01 CCGCCGAGCGACCCTCC
 120592-120614 4:01:01
 120744-120790 8:05:02
 120799-120816 4:01:01 CCGCAGGCGCCAGCCCCC
 121459-121490 6:03:01
 121590-121603 4:01:01 GGCGGAGGCCGCGG
 121762-121777 4:01:01 GGCGGCGCGCCGTGG
 121990-122004 4:01:01 CCCC GCCACGCCGCC
 122016-122054 6:03:01
 122079-122093 4:01:01 GGTGGCTGTGGCCGG
 127658-127702 9:06:02
 127760-127779 4:01:01 CCAGCACCACTCTTCTCCC
 127793-127808 4:01:01 CCACCACAACCACTCC

[illegible]

139250	139267	139214	140080	CDS product regulatory protein ICP22	139250-139267	4:01:01	GGGGGCTGGCGCCTGCGG
139276	139322	139214	140080	CDS product regulatory protein ICP22	139276-139322	8:05:02	
GGCAGCGCTGGCGGGTTGTAGGGTGGTTGTTGGTGGGCGTATCGG							
139452	139474	139214	140080	CDS product regulatory protein ICP22	139452-139474	4:01:01	
CCACGCTGGCCTCGTCTTCCTCC							
139529	139545	139214	140080	CDS product regulatory protein ICP22	139529-139545	4:01:01	GGAGGGTCGCTCGGCGG
139729	139751	139214	140080	CDS product regulatory protein ICP22	139729-139751	5:02:01	
GGTCACGTGGATCGAGGAGGTGG							
139827	139843	139214	140080	CDS product regulatory protein ICP22	139827-139843	4:01:01	CCCCGGGCCCCGGGCC
139831	139875	139214	140080	CDS product regulatory protein ICP22	139831-139875	7:04:01	
GGGCCCCGGGCCAGGTACGGGCGAGGGCCCTCGGGAAAGCGG							
139880	139905	139214	140080	CDS product regulatory protein ICP22	139880-139905	5:02:01	
CCGTATTCCGGATGGTCCGAGCCACC							
139944	139963	139214	140080	CDS product regulatory protein ICP22	139944-139963	4:01:01	GGCTGGAGCGTGGGACGGG
139973	140005	139214	140080	CDS product regulatory protein ICP22	139973-140005	7:04:01	
GGGGGGGAGGGGTCAGGGACGGGATGATGGGG							

gi|675510705|ref|NC_024771.1| Equid herpesvirus 3 strain AR/2007/C3A, complete genome

190	221	146	766	CDS product membrane protein UL56	190-221	7:04:01	CCTCGCCGCGCTTCCTTCTCCGCCGCCATGCC
230	264	146	766	CDS product membrane protein UL56	230-264	8:05:02	CCGCCACGCGCGCCAGCCTCTCCGCAGGCCCGCC
302	318	146	766	CDS product membrane protein UL56	302-318	4:01:01	CCTCCGGCCCTCTGGCC
387	408	146	766	CDS product membrane protein UL56	387-408	6:03:01	CCTGCCCTCCAGACCCCGTCC

429 456 146 766 CDS product membrane protein UL56	429-456 5:02:01 GGCCGTCCTGGAGCGCGCGTGGAGCGG
477 531 146 766 CDS product membrane protein UL56	477-531 12:09:03
CCTCCGCGTTCCGCCGCCATCCTACCTAGAGGCCATGCGCCTGGCGCCCCCGGCC	
519 541 146 766 CDS product membrane protein UL56	519-541 4:01:01 GGCGCCCCCGGCCTACGAGGTGG
594 612 146 766 CDS product membrane protein UL56	594-612 4:01:01 CCCCAACCCCTACACCACC
644 660 146 766 CDS product membrane protein UL56	644-660 4:01:01 CCGGCTACCCCCACCCC
707 751 146 766 CDS product membrane protein UL56	707-751 6:03:01 CCCTCGTTATCCTTTGTCCATTACCCTCAACCCCTGGGTCACCC
923 935 808 1500 CDS product membrane protein V1	923-935 4:01:01 CCCCCGCCCCGCC
944 958 808 1500 CDS product membrane protein V1	944-958 4:01:01 GGACGGGGCGGGGGG
1049 1072 808 1500 CDS product membrane protein V1	1049-1072 5:02:01 GGGGGAGCACGGCGGGGCTCCCGG
1068 1083 808 1500 CDS product membrane protein V1	1068-1083 4:01:01 CCCGGCCTCCACGCC
1099 1116 808 1500 CDS product membrane protein V1	1099-1116 4:01:01 CCCGCTGCCCCGAGGCC
1191 1209 808 1500 CDS product membrane protein V1	1191-1209 4:01:01 GGGGCTGGTTCTGGCGGGG
1218 1234 808 1500 CDS product membrane protein V1	1218-1234 4:01:01 GGCCGACGGGGGAAGG
1235 1277 808 1500 CDS product membrane protein V1	1235-1277 8:05:02
CCGTTCCGCCCTCGTACCACACGCTCCGCGACCTCGCACCCCC	
1301 1326 808 1500 CDS product membrane protein V1	1301-1326 6:03:01 CCATTCTCCAATTGCCGAACCGCC
1342 1365 808 1500 CDS product membrane protein V1	1342-1365 4:01:01 GGGCGCTGGCTCTGGGGCCGCGG
1434 1491 808 1500 CDS product membrane protein V1	1434-1491 11:08:02
GGGCTCGGGTGGGAGGGGTTTGGGAGGAGAGGTGCGAGCGGCACACCGCCCCGGGCGG	
1665 1711 1656 2435 CDS product myristylated tegument protein CIRC	1665-1711 8:05:02
CCGGCTCCAGCCCCGAGAAGCCAGCTCCCGCCCTCGAGGCCTTGCC	
1765 1783 1656 2435 CDS product myristylated tegument protein CIRC	1765-1783 4:01:01

GGGGGGCGACGAGGCGCGG									
1932	1959	1656	2435	CDS product myristylated tegument protein CIRC		1932-1959	5:02:01		
GGGTGTTTCGGGTACGAGGAGGGCACTGG									
2170	2196	1656	2435	CDS product myristylated tegument protein CIRC		2170-2196	6:03:01		
CCACTCTCCCGCCCAATGCCGCCGCC									
2278	2294	1656	2435	CDS product myristylated tegument protein CIRC		2278-2294	4:01:01		
CCTTCGCCCCGCCACC									
2370	2383	1656	2435	CDS product myristylated tegument protein CIRC		2370-2383	4:01:01	CCCCCTCCGAGCCC	
2394	2422	1656	2435	CDS product myristylated tegument protein CIRC		2394-2422	6:03:01		
CCCGCGCCCCGGCTCCTCCGTTTCTTC									
2693	2715	2472	3059	CDS product nuclear protein UL55	2693-2715	4:01:01	GGGGAGGTCTTGCAGGATCCGGG		
2883	2898	2472	3059	CDS product nuclear protein UL55	2883-2898	4:01:01	GGCTGGCTGGTAGTGG		
3609	3632	3283	4662	CDS product multifunctional expression regulator		3609-3632	5:02:01		
GGCCAGGTGGCACCGCAGGAAGGG									
3752	3768	3283	4662	CDS product multifunctional expression regulator		3752-3768	4:01:01		
CCGAGGCCAGCGCCTCC									
3797	3816	3283	4662	CDS product multifunctional expression regulator		3797-3816	4:01:01		
CCCGGAGGGCCCGCGCCGCC									
3936	3955	3283	4662	CDS product multifunctional expression regulator		3936-3955	5:02:01		
GGCGGCCAGGGGACGTGG									
4047	4068	3283	4662	CDS product multifunctional expression regulator		4047-4068	4:01:01		
CCGGCTCACCTCGGCCACGGCC									
4059	4081	3283	4662	CDS product multifunctional expression regulator		4059-4081	5:02:01		

GGCCACGGCCGCGGCAGCGCGG							
4129	4147	3283	4662	CDS product multifunctional expression regulator		4129-4147	4:01:01
CCGCGGCCGCGCAGCCTCC							
4238	4254	3283	4662	CDS product multifunctional expression regulator		4238-4254	4:01:01
CCGCGGGCCGCCGGCCC							
4298	4338	3283	4662	CDS product multifunctional expression regulator		4298-4338	6:03:01
CCGCGTCCCAGAGCTCCTCTCTCGCCCCGCGCCAGGAGCC							
4350	4376	3283	4662	CDS product multifunctional expression regulator		4350-4376	5:02:01
CCGCTGTGCGCGTTGCCCCGCGACC							
4419	4435	3283	4662	CDS product multifunctional expression regulator		4419-4435	4:01:01
GGGGGCGGCCGCCGGGG							
4455	4487	3283	4662	CDS product multifunctional expression regulator		4455-4487	8:05:02
GGCGGCGGCCGAGCTGTGGCGGGAGCGGCCGG							
4802	4825	4799	5836	CDS product envelope glycoprotein K	4802-4825	4:01:01	CCCGGAACCGGCAGCCTTTGCCCC
5022	5051	4799	5836	CDS product envelope glycoprotein K	5022-5051	5:02:01	
GGATGGCCACGGCTTCCAGGGCTGTCATGG							
5163	5188	4799	5836	CDS product envelope glycoprotein K	5163-5188	4:01:01	CCGCGTACTCCAGGCCCATGAGGACC
5175	5200	4799	5836	CDS product envelope glycoprotein K	5175-5200	4:01:01	GGCCCATGAGGACCGCGGCGCAGGGG
5393	5414	4799	5836	CDS product envelope glycoprotein K	5393-5414	5:02:01	CCCAGCAGCCGCCGCTCCTGCC
5683	5701	4799	5836	CDS product envelope glycoprotein K	5683-5701	4:01:01	GGCGGTCGTGGCATTGGGG
5736	5756	4799	5836	CDS product envelope glycoprotein K	5736-5756	4:01:01	GGTTAAGGCCGAGCTGAGGG
5946	5969	5849	9106	CDS product helicase-primase primase subunit		5946-5969	4:01:01
GGCCGTGGGCGTCGGCCGCTATGG							

5986	6007	5849	9106	CDS product helicase-primase primase subunit	5986-6007	4:01:01	
				GGCGTCCCGGTGGAGCGCAGG			
6036	6050	5849	9106	CDS product helicase-primase primase subunit	6036-6050	4:01:01	GGGGGCGGTATGTGG
6189	6214	5849	9106	CDS product helicase-primase primase subunit	6189-6214	5:02:01	
				CCGCCACAAACGCCTCTACCTCGTCC			
6636	6664	5849	9106	CDS product helicase-primase primase subunit	6636-6664	5:02:01	
				CCAGGCCCCGCACGGCCTCGGTGCCCCGC			
6666	6692	5849	9106	CDS product helicase-primase primase subunit	6666-6692	7:04:01	
				GGAGGTAGGGTGGCGGCACAGGCACGG			
6722	6741	5849	9106	CDS product helicase-primase primase subunit	6722-6741	4:01:01	
				CCGCACGCCTCCGTGTCGCC			
6810	6823	5849	9106	CDS product helicase-primase primase subunit	6810-6823	4:01:01	CCTCCCAGCCCCGCC
6946	6976	5849	9106	CDS product helicase-primase primase subunit	6946-6976	6:03:01	
				GGTCGCGCGGGCGTTTCGGGCGGGGGCGGG			
7009	7027	5849	9106	CDS product helicase-primase primase subunit	7009-7027	4:01:01	
				CCCCCAGTTCACCTCGGCC			
7053	7074	5849	9106	CDS product helicase-primase primase subunit	7053-7074	4:01:01	
				CCACGACTCCCAGCCGAAGCC			
7201	7217	5849	9106	CDS product helicase-primase primase subunit	7201-7217	4:01:01	
				GGGGGGGCAGGCCGAGG			
7240	7256	5849	9106	CDS product helicase-primase primase subunit	7240-7256	4:01:01	
				GGCCTCCGGCGCGGCGG			
7275	7311	5849	9106	CDS product helicase-primase primase subunit	7275-7311	6:03:01	

GGTCGCGCCGGGCCAGGGCCGGCTCCCCGGCGTCGGG							
7282	7302	5849	9106	CDS product helicase-primase primase subunit	7282-7302	4:01:01	
CCGGGCCAGGGCCGGCTCCCC							
7415	7444	5849	9106	CDS product helicase-primase primase subunit	7415-7444	5:02:01	
GGGAGGGCCACGCGGTAGACGGGCACCGGG							
7440	7464	5849	9106	CDS product helicase-primase primase subunit	7440-7464	4:01:01	
CCGGGCCGCGAACGCCCGTCTTTCC							
7501	7525	5849	9106	CDS product helicase-primase primase subunit	7501-7525	7:04:01	
GGCGGCCGGCGGTGCGGCGGCCAGG							
7554	7579	5849	9106	CDS product helicase-primase primase subunit	7554-7579	5:02:01	
GGGGGGCGGCGCCAGGGGCCGCGGGG							
7595	7615	5849	9106	CDS product helicase-primase primase subunit	7595-7615	4:01:01	
GGCTGGGACCGCGCGACTGG							
7627	7642	5849	9106	CDS product helicase-primase primase subunit	7627-7642	4:01:01	GGCCGCGGACGGGCGG
7646	7659	5849	9106	CDS product helicase-primase primase subunit	7646-7659	4:01:01	CCGCCCGCCTGCCC
7692	7705	5849	9106	CDS product helicase-primase primase subunit	7692-7705	4:01:01	CCTCCACCCGGTCC
7750	7769	5849	9106	CDS product helicase-primase primase subunit	7750-7769	4:01:01	
GGGCACGGCCAGAGCGGGG							
7780	7827	5849	9106	CDS product helicase-primase primase subunit	7780-7827	9:06:02	
GGGGGGGTAGGTCCTGGCCTCGGCGTACAGGCGGCCACGGCCGCCGG							
7933	7943	5849	9106	CDS product helicase-primase primase subunit	7933-7943	4:01:01	GGAGGCGGTGG
8130	8144	5849	9106	CDS product helicase-primase primase subunit	8130-8144	4:01:01	CCTGCACCCGCCGCC
8156	8176	5849	9106	CDS product helicase-primase primase subunit	8156-8176	4:01:01	

GGGAGGGCTAGGGCGCCGGG							
8251	8265	5849	9106	CDS product helicase-primase primase subunit	8251-8265	4:01:01	GGTGGGGTTGGGGG
8349	8369	5849	9106	CDS product helicase-primase primase subunit	8349-8369	4:01:01	
GGAAGAGGTAGTACCGGTGG							
8501	8536	5849	9106	CDS product helicase-primase primase subunit	8501-8536	7:04:01	
CCCGAGCGCCCGCCCGCCGCGCACACCGCGGCC							
8571	8596	5849	9106	CDS product helicase-primase primase subunit	8571-8596	5:02:01	
CCGAGGCCGTCCGCCCCGCGCGCGCC							
8658	8687	5849	9106	CDS product helicase-primase primase subunit	8658-8687	4:01:01	
CCTCTTCGTCCAGCGGTCCAACAGCGCCC							
8692	8711	5849	9106	CDS product helicase-primase primase subunit	8692-8711	4:01:01	
GGACAGCGGCTGGCCGCGG							
8718	8739	5849	9106	CDS product helicase-primase primase subunit	8718-8739	4:01:01	
CCGCGGCCAGCGCCCGCGCGCC							
8802	8817	5849	9106	CDS product helicase-primase primase subunit	8802-8817	4:01:01	CCCCGCCACCATAACC
9190	9212	9105	9860	CDS product tegument protein UL51	9190-9212	6:03:01	CCCGGCCACCATGCTCCGCCTCC
9217	9230	9105	9860	CDS product tegument protein UL51	9217-9230	4:01:01	GGCGCTGGCGGCGG
9241	9259	9105	9860	CDS product tegument protein UL51	9241-9259	4:01:01	CCTGCCCGCGACCCTGACC
9294	9308	9105	9860	CDS product tegument protein UL51	9294-9308	4:01:01	GGCGGCTGGTGAAGG
9364	9379	9105	9860	CDS product tegument protein UL51	9364-9379	5:02:01	CCGCCACCAGACCTCC
9388	9419	9105	9860	CDS product tegument protein UL51	9388-9419	6:03:01	
CCCCAGCCTAAACGCCGTGGTGGCCACCCACC							
9614	9628	9105	9860	CDS product tegument protein UL51	9614-9628	4:01:01	CCGGTACCCGCCACC

9666	9684	9105	9860	CDS product tegument protein UL51	9666-9684	4:01:01	CCTCGCCAGTCCAGACCCC
9713	9734	9105	9860	CDS product tegument protein UL51	9713-9734	5:02:01	CCCACGAGCCCCCTCCTCCCC
9743	9800	9105	9860	CDS product tegument protein UL51	9743-9800	12:09:03	
CCCGCCGGCGAGCTCCCACACCCCCCAGCCCGCCGTGCCCCGTCAGTCCAGCC							
10110	10128	9977	10954	CDS product deoxyuridine triphosphatase	10110-10128	4:01:01	GGCCGTAGGTGGGAAAAGG
10145	10171	9977	10954	CDS product deoxyuridine triphosphatase	10145-10171	6:03:01	
CCCCGCCCCAACCACCAGGCGTCCTCC							
10626	10647	9977	10954	CDS product deoxyuridine triphosphatase	10626-10647	4:01:01	CCTTTACCGGTCCGCGATAGCC
11103	11119	10920	11228	CDS product envelope glycoprotein N	11103-11119	4:01:01	CCCCCGGCACGGCCGCC
11163	11182	10920	11228	CDS product envelope glycoprotein N	11163-11182	4:01:01	CCTGCCAGGCGTACGGGGCC
11555	11601	11473	12420	CDS product tegument protein VP22	11555-11601	8:05:02	
CCGTGCGGCCCCCGCGGCACCAACCCGCGACTCCCGCCGACGGCC							
11709	11724	11473	12420	CDS product tegument protein VP22	11709-11724	4:01:01	CCCAACCGCCAGCGCC
11811	11833	11473	12420	CDS product tegument protein VP22	11811-11833	4:01:01	GGTGTATACGGAGGGGGAACGG
11889	11972	11473	12420	CDS product tegument protein VP22	11889-11972	14:11:03	
CCTCCCCAAAGCCTGCGCCGAGGCCACGCGCGCGCCACTCGCGCCAGCGCCGGCGGGCCGTTCCCAAGAGACCCGCGCC							
12046	12070	11473	12420	CDS product tegument protein VP22	12046-12070	5:02:01	CCACCCCCAAAACGCCTAAGGCCCC
12311	12323	11473	12420	CDS product tegument protein VP22	12311-12323	4:01:01	GGTGGGCGGCGGG
12332	12347	11473	12420	CDS product tegument protein VP22	12332-12347	4:01:01	CCGCCGGCACCGGTCC
12355	12380	11473	12420	CDS product tegument protein VP22	12355-12380	4:01:01	GGCGCCGTCTCTAGGTGCGCCAGG
12669	12697	12567	13919	CDS product transactivating tegument protein VP16	12669-12697	5:02:01	
CCGGCGAGTCCGTCTTTGCCGGCCCGGCC							
12689	12706	12567	13919	CDS product transactivating tegument protein VP16	12689-12706	4:01:01	

GGCCCGGCAAGAGGAGG					
12707	12746	12567	13919	CDS product transactivating tegument protein VP16	12707-12746 7:04:01
CCTGCGCTGCCGCCCCCAAGGCGCCAGCCCCTCGGCC					
12756	12786	12567	13919	CDS product transactivating tegument protein VP16	12756-12786 5:02:01
GGTTGCAGGGCGAGCTCGGGTTCCCGGAGGG					
12778	12802	12567	13919	CDS product transactivating tegument protein VP16	12778-12802 5:02:01
CCCGGAGGGCCCCACCCTCCTCTCC					
12991	13019	12567	13919	CDS product transactivating tegument protein VP16	12991-13019 5:02:01
GGCGCCGTCGTCGAGGACGACCTGGAGG					
13140	13163	12567	13919	CDS product transactivating tegument protein VP16	13140-13163 5:02:01
GGCGACAGGCGCGCGGCGGCGCGG					
13456	13466	12567	13919	CDS product transactivating tegument protein VP16	13456-13466 4:01:01 CCACCGCCGCC
13507	13519	12567	13919	CDS product transactivating tegument protein VP16	13507-13519 4:01:01
GGAGGAGGGGCGG					
13600	13634	12567	13919	CDS product transactivating tegument protein VP16	13600-13634 7:04:01
GGAGGCCTACTCGGAGCGGCACCCGGCGGCGCCGG					
13621	13648	12567	13919	CDS product transactivating tegument protein VP16	13621-13648 4:01:01
CCCGGCGGCGCCGGCATGCCCCTGGCC					
13691	13715	12567	13919	CDS product transactivating tegument protein VP16	13691-13715 4:01:01
GGCACGACGGCCGAGGCCATGATGG					
13741	13762	12567	13919	CDS product transactivating tegument protein VP16	13741-13762 4:01:01
CCCTGGAGACCCGTTCCGCC					
13850	13883	12567	13919	CDS product transactivating tegument protein VP16	13850-13883 6:03:01

CCGGGGGCCCACGACCTGAGCTCCGACGCCACCC					
14348	14363	14334	16991	CDS product tegument protein VP13/14	14348-14363 4:01:01 GGAGAGCGGGGTGGG
14366	14384	14334	16991	CDS product tegument protein VP13/14	14366-14384 4:01:01 CCGATACGCCGCCCCGCC
14376	14398	14334	16991	CDS product tegument protein VP13/14	14376-14398 4:01:01 GGCCCCCGCGTCTGTGGAAGGG
14460	14509	14334	16991	CDS product tegument protein VP13/14	14460-14509 10:07:02
CCGTTGCGCCCCGTGAGCCCTCCTCTCCCCCGGGCCGCCCCCGGGCGCC					
14504	14529	14334	16991	CDS product tegument protein VP13/14	14504-14529 7:04:01
GGCGCCGGGGGGCGGCCGGGGGGGG					
14571	14608	14334	16991	CDS product tegument protein VP13/14	14571-14608 7:04:01
CCACGCCAGCAGCCCCCGACCCGGCCGCGGGGCC					
14595	14615	14334	16991	CDS product tegument protein VP13/14	14595-14615 4:01:01 GGCCGCGGGGCCAGGCTGG
14664	14681	14334	16991	CDS product tegument protein VP13/14	14664-14681 4:01:01 CCCCTGCCCCGTGCCCC
14743	14770	14334	16991	CDS product tegument protein VP13/14	14743-14770 6:03:01
GGAGGGGAAACCAGGGCGGAGCATTGG					
14787	14806	14334	16991	CDS product tegument protein VP13/14	14787-14806 4:01:01 GGCGCGTTCTTACGGCGGG
14840	14854	14334	16991	CDS product tegument protein VP13/14	14840-14854 4:01:01 CCGCCCGGGCCATCC
14902	14921	14334	16991	CDS product tegument protein VP13/14	14902-14921 4:01:01 GGGGTTGGACGGGGACGAGG
14932	14946	14334	16991	CDS product tegument protein VP13/14	14932-14946 4:01:01 GGAGGAAGAGGACGG
14962	14993	14334	16991	CDS product tegument protein VP13/14	14962-14993 6:03:01
GGAAAACGGCGCGGGCGAGGAGGGCTTTGGGG					
15002	15029	14334	16991	CDS product tegument protein VP13/14	15002-15029 5:02:01
GGCCCGCGCCGAGCCGCCTTGCTGG					
15004	15021	14334	16991	CDS product tegument protein VP13/14	15004-15021 4:01:01 CCCGCGCCGAGCCGGCC

15042	15059	14334	16991	CDS	product	tegument	protein	VP13/14
15079	15098	14334	16991	CDS	product	tegument	protein	VP13/14
15197	15212	14334	16991	CDS	product	tegument	protein	VP13/14
15286	15316	14334	16991	CDS	product	tegument	protein	VP13/14
CCTGCTCACCGCCCCGGTGGCCATGAACCCC								
15321	15335	14334	16991	CDS	product	tegument	protein	VP13/14
15340	15358	14334	16991	CDS	product	tegument	protein	VP13/14
15686	15698	14334	16991	CDS	product	tegument	protein	VP13/14
15833	15850	14334	16991	CDS	product	tegument	protein	VP13/14
15862	15877	14334	16991	CDS	product	tegument	protein	VP13/14
15986	16022	14334	16991	CDS	product	tegument	protein	VP13/14
GGCCCTCTGGTCTACTGGGCGGCGCTCAGGCGCGCGG								
16024	16039	14334	16991	CDS	product	tegument	protein	VP13/14
16101	16129	14334	16991	CDS	product	tegument	protein	VP13/14
CCCATACGACCAGCCCCGGCTTTACCGCC								
16521	16550	14334	16991	CDS	product	tegument	protein	VP13/14
CCGGCCACCTCAACCTGCTCCTAAACTGCC								
16571	16586	14334	16991	CDS	product	tegument	protein	VP13/14
16715	16731	14334	16991	CDS	product	tegument	protein	VP13/14
16829	16850	14334	16991	CDS	product	tegument	protein	VP13/14
16915	16932	14334	16991	CDS	product	tegument	protein	VP13/14
16944	16969	14334	16991	CDS	product	tegument	protein	VP13/14
GGCGCGGCGGGCGGGGAAGTAGAGGG								

15042-15059	4:01:01	GGCAAATGGAGGCCGCGG
15079-15098	4:01:01	GGCCAGGGTGATGGCGCGGG
15197-15212	4:01:01	GGCATGTGGGAGGGGG
15286-15316	5:02:01	
15321-15335	4:01:01	GGGAGGAGCCGTGG
15340-15358	4:01:01	CCACCGCGCTCGTTCCC
15686-15698	4:01:01	GGGGGTCTGGCGG
15833-15850	4:01:01	CCCCCGAGCACC GCCC
15862-15877	4:01:01	GGTGGCCGCGCCAGG
15986-16022	6:03:01	
16024-16039	4:01:01	CCGAGACCCGCCACC
16101-16129	5:02:01	
16521-16550	6:03:01	
16571-16586	4:01:01	GGGGGCGCCGGGTGG
16715-16731	4:01:01	CCGATGCCCGGCCCCCC
16829-16850	4:01:01	GGTAACCCGTTGACCTGGCGG
16915-16932	4:01:01	GGTGGCGGCGCACGGGGG
16944-16969	5:02:01	

16972	16986	14334	16991	CDS product tegument protein VP13/14	16972-16986 4:01:01	CCCGCCCCGAGGCC
17135	17159	17121	19349	CDS product tegument protein VP11/12	17135-17159 4:01:01	
				CCGTGGCCCCACGTCTCCCGGACCC		
17230	17258	17121	19349	CDS product tegument protein VP11/12	17230-17258 6:03:01	
				GGCGCTAAAGGAGGCCGCGGAGGGGCTGG		
17278	17304	17121	19349	CDS product tegument protein VP11/12	17278-17304 5:02:01	
				GGCCGAGCGGACGGCGGCTCTGTCGGG		
17335	17396	17121	19349	CDS product tegument protein VP11/12	17335-17396 10:07:02	
				GGTCACCTCGGCCGTCGCGGGGACGTTTCGGGGAGTACCGGAGGGAATACGAGGCCGCGG		
17431	17467	17121	19349	CDS product tegument protein VP11/12	17431-17467 7:04:01	
				GGATGGGATCTGGCAGGTGGTGATCAGGAGCTACTGG		
17772	17810	17121	19349	CDS product tegument protein VP11/12	17772-17810 6:03:01	
				GGTGGCTGCTGTGGTTTATGGACCTGACGGACGCGAGGG		
17903	17933	17121	19349	CDS product tegument protein VP11/12	17903-17933 7:04:01	
				GGGCCCGGGTCTCGGCCGGAACGGGGGCGG		
18076	18104	17121	19349	CDS product tegument protein VP11/12	18076-18104 6:03:01	
				CCACCACCACCTGCAGTACCTCATCAACC		
18166	18187	17121	19349	CDS product tegument protein VP11/12	18166-18187 4:01:01	GGCGCTGCGGGCCAGGGCCGG
18229	18274	17121	19349	CDS product tegument protein VP11/12	18229-18274 7:04:01	
				GGCAAGCTGGGCCAACATGGAGCGGGCGTTCCGGCCTGGTTCGG		
18361	18387	17121	19349	CDS product tegument protein VP11/12	18361-18387 6:03:01	
				GGAGGCCGGCGAGCGCGCGAGGACGG		
18388	18406	17121	19349	CDS product tegument protein VP11/12	18388-18406 5:02:01	CCTCTCCCGCCGACCGCC

18418	18459	17121	19349	CDS product tegument protein VP11/12
CCCCTTCCGTGGCCCCCGCAAACCCCGCTCCCGAATCCCCC				
18724	18741	17121	19349	CDS product tegument protein VP11/12
18820	18857	17121	19349	CDS product tegument protein VP11/12
GGGCCCCGACGAGGACAGGTTGGTTGACGGGGGGGCGG				
19011	19031	17121	19349	CDS product tegument protein VP11/12
19096	19122	17121	19349	CDS product tegument protein VP11/12
GGGCGGCGCGAGGGCCGAGGCCCGGG				
19110	19135	17121	19349	CDS product tegument protein VP11/12
CCGAGGCCCGGGCCCCGCGTACGCC				
19144	19160	17121	19349	CDS product tegument protein VP11/12
19206	19242	17121	19349	CDS product tegument protein VP11/12
CCCGCACCAAGGCCATAAACGCCTCCGGACCCCGGCC				
19313	19334	17121	19349	CDS product tegument protein VP11/12
19552	19577	19494	20105	CDS product membrane protein UL45
19731	19749	19494	20105	CDS product membrane protein UL45
19835	19853	19494	20105	CDS product membrane protein UL45
20017	20035	19494	20105	CDS product membrane protein UL45
20046	20060	19494	20105	CDS product membrane protein UL45
20071	20093	19494	20105	CDS product membrane protein UL45
20440	20476	20391	21809	CDS product envelope glycoprotein C
CCAGCAGGCCGAGGGCCAGCACCCCCCGACGATCCC				
20591	20606	20391	21809	CDS product envelope glycoprotein C

18418-18459 8:05:02

18724-18741 4:01:01 GGCGAGGGGTCCAGCGG

18820-18857 8:05:02

19011-19031 4:01:01 GGAGCGGGGCGGCCGTTGGGG

19096-19122 5:02:01

19110-19135 4:01:01

19144-19160 4:01:01 CCCGCGCTCCCGCCACC

19206-19242 7:04:01

19313-19334 4:01:01 CCCGCGCGCCGGAGTCCCACC

19552-19577 5:02:01 GGGGGCTGAGTGGGCGCGGCCTGG

19731-19749 4:01:01 GGGGCGCCGGGAGCTCGG

19835-19853 4:01:01 GGTGTGCGGTGGGACGCG

20017-20035 4:01:01 CCTATTACCCCGCTCCC

20046-20060 4:01:01 CCTATCCGCCGCTCC

20071-20093 4:01:01 GGGGCGGCAGAGAGGCAGTGGGG

20440-20476 6:03:01

20591-20606 4:01:01 CCTTTCGCCGCCCTCC

20854	20870	20391	21809	CDS product envelope glycoprotein C
20881	20895	20391	21809	CDS product envelope glycoprotein C
21014	21036	20391	21809	CDS product envelope glycoprotein C
21117	21138	20391	21809	CDS product envelope glycoprotein C
21312	21338	20391	21809	CDS product envelope glycoprotein C
21590	21616	20391	21809	CDS product envelope glycoprotein C
21609	21635	20391	21809	CDS product envelope glycoprotein C
21668	21689	20391	21809	CDS product envelope glycoprotein C
21772	21791	20391	21809	CDS product envelope glycoprotein C
22177	22205	22005	23237	CDS product envelope protein UL43
CCGCGCCAAACCCGACGGCCGACAGCACC				
22220	22239	22005	23237	CDS product envelope protein UL43
22248	22279	22005	23237	CDS product envelope protein UL43
GGGCCGGCGGGCGCACGCGGACCACCAGGGG				
22303	22317	22005	23237	CDS product envelope protein UL43
22455	22484	22005	23237	CDS product envelope protein UL43
CCGAGGCACCCACGCGCTCCTCGGCCACC				
22540	22557	22005	23237	CDS product envelope protein UL43
22789	22809	22005	23237	CDS product envelope protein UL43
22879	22918	22005	23237	CDS product envelope protein UL43
CCCAGGCCAGGATAGCCACCATGGCAGCCAGGGCCTGGCC				
22901	22925	22005	23237	CDS product envelope protein UL43
22948	22967	22005	23237	CDS product envelope protein UL43

20854-20870	4:01:01	CCTTGTACCAGTCCACC
20881-20895	4:01:01	GGTTGGGCGGGTAGG
21014-21036	5:02:01	CCACCGAAGCCGCACCGAGCGCC
21117-21138	4:01:01	GGGGGCATGTAGGCCCCGATGG
21312-21338	5:02:01	CCGAGCGGCCCCGCGCCCCCGTGTCC
21590-21616	4:01:01	GGGGACCTTCGGTTTAAGGCCCTTTGG
21609-21635	5:02:01	CCCTTTGGCCCGCGCCTAGTCCTAGCC
21668-21689	6:03:01	GGCAGCGGTGGCCGGCGGGGGG
21772-21791	5:02:01	GGAGCCCGGCGGCGGCCAGG
22177-22205	5:02:01	
22220-22239	5:02:01	GGCGGCGGCGTGGAGCGCGG
22248-22279	5:02:01	
22303-22317	4:01:01	GGCCGGCGGCCAGGG
22455-22484	5:02:01	
22540-22557	4:01:01	GGCCGAGGTCGGTGAAGG
22789-22809	4:01:01	GGTGTATTTGGACGGCGCAGG
22879-22918	7:04:01	
22901-22925	4:01:01	GGCAGCCAGGGCCTGGCCGAAGCGG
22948-22967	4:01:01	GGCGGGCCACGGAGACGCGG

23076	23105	22005	23237	CDS product envelope protein UL43	23076-23105	5:02:01
CCCACACACGCCAGCGCCTTGGTGCCGCC						
23096	23116	22005	23237	CDS product envelope protein UL43	23096-23116	4:01:01 GGTGCCGCCAGGTGCAGGG
23614	23643	23412	24695	CDS product DNA polymerase processivity subunit	23614-23643	5:02:01
CCGCGAGGGCCGCATCTACCGCCGCGGCC						
23981	23999	23412	24695	CDS product DNA polymerase processivity subunit	23981-23999	4:01:01
GGGGAAGGAGGCCGTTCCG						
24189	24209	23412	24695	CDS product DNA polymerase processivity subunit	24189-24209	4:01:01
GGCGCGGGCGCAGCGGGGGG						
24349	24380	23412	24695	CDS product DNA polymerase processivity subunit	24349-24380	5:02:01
CCAGCACGCCGCGGCGCGCTCCACGTTGGCC						
24428	24442	23412	24695	CDS product DNA polymerase processivity subunit	24428-24442	4:01:01 GGCGGCTTGATGGG
24603	24637	23412	24695	CDS product DNA polymerase processivity subunit	24603-24637	8:05:02
CCGCCCTCCGGGTCCGCCGCTACCGGAGTCCAGCC						
25242	25258	25185	26711	CDS product tegument host shut-off protein	25242-25258	4:01:01 CCATCACCACCCGCCC
25470	25502	25185	26711	CDS product tegument host shut-off protein	25470-25502	6:03:01
CCAAGGCCATCGTCACCCAGACCATGAGCCGCC						
25512	25543	25185	26711	CDS product tegument host shut-off protein	25512-25543	6:03:01
CCGGGCGCCTGCCGCGGCCCCCTGCCTCGCC						
25605	25623	25185	26711	CDS product tegument host shut-off protein	25605-25623	4:01:01 CCGTCCCGGGCGCCGCGCC
25800	25816	25185	26711	CDS product tegument host shut-off protein	25800-25816	4:01:01 CCAACCTGTACCACACC
25892	25913	25185	26711	CDS product tegument host shut-off protein	25892-25913	4:01:01
CCCCTGTTTCCCCGACGCTCC						

25981	26004	25185	26711	CDS product tegument host shut-off protein	25981-26004 5:02:01
CCACACAGACCTCCACCAGCAGCC					
26198	26212	25185	26711	CDS product tegument host shut-off protein	26198-26212 4:01:01 CCGGCGCCCCCGCCC
26251	26282	25185	26711	CDS product tegument host shut-off protein	26251-26282 7:04:01
CCGCCCCGAGGACCGCCGCGCACCACGCCGCC					
26291	26306	25185	26711	CDS product tegument host shut-off protein	26291-26306 4:01:01 CCCCCGAGGACCGCC
26309	26327	25185	26711	CDS product tegument host shut-off protein	26309-26327 4:01:01 GGCGCGGGCGGTCTTTGG
26329	26351	25185	26711	CDS product tegument host shut-off protein	26329-26351 4:01:01
CCCGACTACCCGCTTCTCCACC					
26361	26377	25185	26711	CDS product tegument host shut-off protein	26361-26377 4:01:01 CCTCCCGCTACCCGCCC
26565	26596	25185	26711	CDS product tegument host shut-off protein	26565-26596 5:02:01
CCCTGAAGAACCTCGTCCCGGACCCGACACC					
26626	26643	25185	26711	CDS product tegument host shut-off protein	26626-26643 4:01:01 CCACGTTCCACCCCTCC
27000	27047	26920	27867	CDS product ribonucleotide reductase subunit 2	27000-27047 10:07:02
GGCAAGCGGAAGCTGGGGCGGGGGCGGTGCGTGGAACATGGGGG					
27332	27358	26920	27867	CDS product ribonucleotide reductase subunit 2	27332-27358 6:03:01
GGTAGCGGATGGCGGCGAATGAGGAGG					
27419	27447	26920	27867	CDS product ribonucleotide reductase subunit 2	27419-27447 7:04:01
CCCGCACCTTCGCCTCCAGCCACGCCACC					
27452	27465	26920	27867	CDS product ribonucleotide reductase subunit 2	27452-27465 4:01:01 GGCGGATGGCCGGG
27477	27493	26920	27867	CDS product ribonucleotide reductase subunit 2	27477-27493 4:01:01
GGAGGCCACGTAGGCGG					
27605	27639	26920	27867	CDS product ribonucleotide reductase subunit 2	27605-27639 5:02:01

GGTCGAAGAGGGCCGACAGGTCGCCAAGGTTTCAGG					
27700	27723	26920	27867	CDS product ribonucleotide reductase subunit 2	27700-27723 5:02:01
CCCTCCGAGAGCCGGGCCACGTCC					
27825	27850	26920	27867	CDS product ribonucleotide reductase subunit 2	27825-27850 6:03:01
GGCGGGGGCCGCGGCTCTCGGGGG					
28230	28247	27954	30317	CDS product ribonucleotide reductase subunit 1	28230-28247 4:01:01
GGGTGGCCGTCGGGGAGG					
28251	28272	27954	30317	CDS product ribonucleotide reductase subunit 1	28251-28272 5:02:01
CCGAACGCCCCCGCACCGACC					
28323	28341	27954	30317	CDS product ribonucleotide reductase subunit 1	28323-28341 4:01:01
GGAAAGAGGTCGCGGATGG					
28511	28545	27954	30317	CDS product ribonucleotide reductase subunit 1	28511-28545 7:04:01
GGCGGTGCGGAGCCGGCGCCAGGCGTTGCGGTTGG					
28619	28637	27954	30317	CDS product ribonucleotide reductase subunit 1	28619-28637 4:01:01
GGGCGGCAGGCCGTTTTGG					
28758	28782	27954	30317	CDS product ribonucleotide reductase subunit 1	28758-28782 4:01:01
CCCTGGACGCCTAGCCCCAGCGACC					
28797	28814	27954	30317	CDS product ribonucleotide reductase subunit 1	28797-28814 4:01:01
CCGCGCTCCGACCGGGCC					
28903	28918	27954	30317	CDS product ribonucleotide reductase subunit 1	28903-28918 4:01:01 CCCCCCGGCCGTCCC
28910	28949	27954	30317	CDS product ribonucleotide reductase subunit 1	28910-28949 7:04:01
GGCCGTCCCCGGGCGGGACCGAGGCACCGGGGCAGG					
29025	29042	27954	30317	CDS product ribonucleotide reductase subunit 1	29025-29042 4:01:01

CCCGTCAGGGCCTCCTCC					
29265	29295	27954	30317	CDS product ribonucleotide reductase subunit 1	29265-29295 5:02:01
CCGGGCTCGCCGTCCAGGTGCCGCTGGTACC					
29585	29621	27954	30317	CDS product ribonucleotide reductase subunit 1	29585-29621 7:04:01
CCCCACCTCCTCCATGAGGGCCCGACGGCCGAGTCC					
29659	29683	27954	30317	CDS product ribonucleotide reductase subunit 1	29659-29683 5:02:01
CCAGAGACCCTCTTTTCCGGCCGCC					
29716	29732	27954	30317	CDS product ribonucleotide reductase subunit 1	29716-29732 4:01:01
CCTGACCGGCCAGCGCC					
29791	29807	27954	30317	CDS product ribonucleotide reductase subunit 1	29791-29807 4:01:01
CCATGGCCGGCTCCTCC					
29822	29832	27954	30317	CDS product ribonucleotide reductase subunit 1	29822-29832 4:01:01 GGCGGTGGCGG
29852	29876	27954	30317	CDS product ribonucleotide reductase subunit 1	29852-29876 4:01:01
CCCCATGGACTCCAGGTGCCCGCCC					
30037	30065	27954	30317	CDS product ribonucleotide reductase subunit 1	30037-30065 5:02:01
CCATCGACTCCAGCCACACCCGGAGGTCC					
30178	30189	27954	30317	CDS product ribonucleotide reductase subunit 1	30178-30189 4:01:01 CCACCACCTCCC
30190	30223	27954	30317	CDS product ribonucleotide reductase subunit 1	30190-30223 7:04:01
GGCGGGATGGCCGCGGGGGCAGCGTGGCCCCCGG					
30217	30244	27954	30317	CDS product ribonucleotide reductase subunit 1	30217-30244 6:03:01
CCCCCGGCCCGTCTCGTACCCGTACCC					
30706	30726	30693	32090	CDS product capsid triplex subunit 1	30706-30726 4:01:01 CCACCCAGCTTCCCGGCTCCC
30760	30781	30693	32090	CDS product capsid triplex subunit 1	30760-30781 4:01:01 CCACGTTGCCGAACCGCTCGCC

30860	30896	30693	32090	CDS product capsid triplex subunit 1	30860-30896 6:03:01
GGCTCGGCCGCGCAGGTCTGGGGTCCACTGGTACAGG					
30973	31011	30693	32090	CDS product capsid triplex subunit 1	30973-31011 8:05:02
GGGGGAAGCCGCGTTGGGGCGGGTCCGGCGCATCGG					
31012	31024	30693	32090	CDS product capsid triplex subunit 1	31012-31024 4:01:01 CCCCCTCCGTACC
31069	31088	30693	32090	CDS product capsid triplex subunit 1	31069-31088 4:01:01 CCGCATCCTCGAAGGCCACC
31249	31269	30693	32090	CDS product capsid triplex subunit 1	31249-31269 5:02:01 GGGGGGCCCCGGTGCGGTCGG
31471	31490	30693	32090	CDS product capsid triplex subunit 1	31471-31490 4:01:01 CCCTGACGGCCTCGGCCGCC
31509	31526	30693	32090	CDS product capsid triplex subunit 1	31509-31526 4:01:01 CCGGCCCTGGCCGCGACC
31585	31605	30693	32090	CDS product capsid triplex subunit 1	31585-31605 4:01:01 GGTCAGCGAGGGCGGCCAGG
31600	31619	30693	32090	CDS product capsid triplex subunit 1	31600-31619 5:02:01 CCCAGGCCTCCTCCAGCTCC
31635	31665	30693	32090	CDS product capsid triplex subunit 1	31635-31665 6:03:01
GGGGGCGTGCTGGCCGTGCCATCCCGGTGG					
31695	31721	30693	32090	CDS product capsid triplex subunit 1	31695-31721 4:01:01
GGGACCCCGGGCGCTCGGCCTGCGGG					
31744	31763	30693	32090	CDS product capsid triplex subunit 1	31744-31763 4:01:01 CCTGCCGGGTGAGCCGACC
31806	31828	30693	32090	CDS product capsid triplex subunit 1	31806-31828 4:01:01 CCGATTGCCGCGCCACGATCCC
31829	31848	30693	32090	CDS product capsid triplex subunit 1	31829-31848 4:01:01 GGAGGTATCTGGATTCCGG
31917	31953	30693	32090	CDS product capsid triplex subunit 1	31917-31953 7:04:01
GGGGGGGCAAACGCGGTGGGGTTCGTTGGCCCCCTGG					
31999	32020	30693	32090	CDS product capsid triplex subunit 1	31999-32020 4:01:01 CCCACCACGTCACCCCGGTGCC
32781	32802	32538	35609	CDS product tegument protein UL37	32781-32802 4:01:01 CCATGCTGGCCGAGAACCTGCC
32803	32821	32538	35609	CDS product tegument protein UL37	32803-32821 4:01:01 GGGGCTGGTGCTGTGGCGG

32994 33041 32538 35609 CDS product tegument protein UL37
 CCTTTCGCCAGACCCTGGCGGCCGTGGCCGAGCGACCCCCGGGCCC
 33136 33160 32538 35609 CDS product tegument protein UL37
 33276 33297 32538 35609 CDS product tegument protein UL37
 33414 33439 32538 35609 CDS product tegument protein UL37
 33525 33553 32538 35609 CDS product tegument protein UL37
 CCGGGGCCCTGGCCATCCACGCCACGGCC
 33645 33666 32538 35609 CDS product tegument protein UL37
 33673 33707 32538 35609 CDS product tegument protein UL37
 GGTGGCGGACGCTCTGGTGGGCGCCGGCTTTACGG
 33764 33799 32538 35609 CDS product tegument protein UL37
 GGCTCCGGCGAGGGCGACGCGGGCGGGAGGGCGGG
 33817 33833 32538 35609 CDS product tegument protein UL37
 33867 33887 32538 35609 CDS product tegument protein UL37
 33906 33934 32538 35609 CDS product tegument protein UL37
 CCACCACCCTCTCAACCCTCGAGCCCGCC
 33949 33980 32538 35609 CDS product tegument protein UL37
 GGCGGCGCTGGGCTGCCGACAAGGGGCTGG
 34309 34339 32538 35609 CDS product tegument protein UL37
 CCCGTCCTTCGCCCCGTACCTGCTGGCCACC
 34422 34443 32538 35609 CDS product tegument protein UL37
 34524 34537 32538 35609 CDS product tegument protein UL37
 34584 34614 32538 35609 CDS product tegument protein UL37

32994-33041 8:05:02
 33136-33160 5:02:01 GGAAGGCCTCCGGGTCGTGGCCCCGG
 33276-33297 4:01:01 GGGCGGGCGGGGCGCCACGG
 33414-33439 4:01:01 CCTCGGCCCTAGCGCACAGGACCCC
 33525-33553 6:03:01
 33645-33666 5:02:01 CCATCCAGGCCAGCACCTCCCC
 33673-33707 7:04:01
 33764-33799 7:04:01
 33817-33833 4:01:01 GGCGGTGGGATGCGTGG
 33867-33887 4:01:01 GGTCTACGGGTACGGCCTGG
 33906-33934 6:03:01
 33949-33980 6:03:01
 34309-34339 6:03:01
 34422-34443 4:01:01 GGGCGGGGACTACGGGACGGG
 34524-34537 4:01:01 CCCCCACGCCGACC
 34584-34614 6:03:01

CCGCCGTGGCCGGCGCCATCGCCCTCATCCC					
34678	34706	32538	35609	CDS product tegument protein UL37	34678-34706 5:02:01
CCTCTTCCTGACGGCCGTCCACAAGCGCC					
34816	34847	32538	35609	CDS product tegument protein UL37	34816-34847 5:02:01
GGCGGCCGTGCTGGGGCACCAGGCCGTGTCGG					
34880	34917	32538	35609	CDS product tegument protein UL37	34880-34917 8:05:02
GGGACGTGGCGGCTGGTCGACCTGGTGGACGCGGTCGG					
34995	35030	32538	35609	CDS product tegument protein UL37	34995-35030 5:02:01
GGGCCACTGAGGCCCTGCAGGAGTGCAGGGCGCTGG					
35070	35087	32538	35609	CDS product tegument protein UL37	35070-35087 4:01:01 CCCCCCTCCTCGCGCGCC
35113	35134	32538	35609	CDS product tegument protein UL37	35113-35134 4:01:01 GCGCTGGCCATCAAGCGGGG
35143	35163	32538	35609	CDS product tegument protein UL37	35143-35163 4:01:01 GGGGGCGCCGAGCGCCCGG
35343	35360	32538	35609	CDS product tegument protein UL37	35343-35360 4:01:01 GCGGGAGCTCGAGGCGG
35422	35455	32538	35609	CDS product tegument protein UL37	35422-35455 6:03:01
CCTCAGCCGCGCGCCAACATCGCCTCGTGGGCC					
35841	35867	35836	45897	CDS product large tegument protein	35841-35867 6:03:01 CCCAAGCCCTCGCCGCGCCCCCCCCGCC
35868	35903	35836	45897	CDS product large tegument protein	35868-35903 7:04:01
GGGGGAAGCCGCGGGGCGGACGTGGTGGTCGTGGG					
36017	36063	35836	45897	CDS product large tegument protein	36017-36063 10:07:02
GGCAGACGCGGTGGACGGGTCGCTGGTGGAGGGCCAGGCGTGACGG					
36064	36079	35836	45897	CDS product large tegument protein	36064-36079 4:01:01 CCGCCAGCGTGCCCCC
36295	36324	35836	45897	CDS product large tegument protein	36295-36324 5:02:01
CCATAGGCGCCATCGGCCTCGCCGTGTACC					

36681 36699 35836 45897 CDS product large tegument protein
 36823 36844 35836 45897 CDS product large tegument protein
 36875 36916 35836 45897 CDS product large tegument protein
 CCTGGCTGCCGTGGACGCCACCCACAGCCCCGCCGGGCGCCC
 36971 37014 35836 45897 CDS product large tegument protein
 GGGGGAGGGCGCCGCGGGCGCGTGGGCCGAGGCGCTCGAGGAGG
 37037 37064 35836 45897 CDS product large tegument protein
 37168 37187 35836 45897 CDS product large tegument protein
 37337 37357 35836 45897 CDS product large tegument protein
 37366 37388 35836 45897 CDS product large tegument protein
 37417 37449 35836 45897 CDS product large tegument protein
 CCGCCGTGCCCCACCCACGGCGGCCGTGGACC
 37456 37485 35836 45897 CDS product large tegument protein
 GGGAGACGGGCATGGCCCTTGGCGACGTGG
 37638 37650 35836 45897 CDS product large tegument protein
 37652 37674 35836 45897 CDS product large tegument protein
 37679 37717 35836 45897 CDS product large tegument protein
 GGAGCGGCTGGTGGCCGCCATGGACCGGGCAGGCGGCGG
 37841 37862 35836 45897 CDS product large tegument protein
 37901 37931 35836 45897 CDS product large tegument protein
 CCAGCCAGCGGACCCCCGGGGGCCGACGCC
 37934 37962 35836 45897 CDS product large tegument protein
 GGCGGAGCTGGCCAGGTCGCTGGACCTGG

36681-36699 4:01:01 GGGGCGCAGGGCGAGGAGG
 36823-36844 4:01:01 CCCTGCCCAAGCGCCGGCGCCC
 36875-36916 7:04:01
 36971-37014 8:05:02
 37037-37064 5:02:01 GGTCGAGGGCGACGGCGAGAGCCAGGG
 37168-37187 4:01:01 CCGCCGAGGGCCTCGGCGCC
 37337-37357 4:01:01 GGCCTTTCTGGTGGAGAACGG
 37366-37388 4:01:01 CCCGCTCCGACGCCCCGTGCGCC
 37417-37449 6:03:01
 37456-37485 5:02:01
 37638-37650 4:01:01 GGGGGTGGCGTGG
 37652-37674 4:01:01 CCCACTCGGCCTCTACACCCACC
 37679-37717 9:06:02
 37841-37862 5:02:01 CCTCCTCGCCCTGGAGGCCGCC
 37901-37931 6:03:01
 37934-37962 6:03:01

37958	37972	35836	45897	CDS product large tegument protein
37973	38017	35836	45897	CDS product large tegument protein
GGCGCGGCTGGCCAAGGTGGCAGAGAAGGCCGAGGCGCTCGTGGG				
38062	38082	35836	45897	CDS product large tegument protein
38091	38133	35836	45897	CDS product large tegument protein
GGTGCGCGGTTCCAGGTGGCCAGCGCGGCCGTGGCCAACCTGG				
38102	38139	35836	45897	CDS product large tegument protein
CCAGGTGGCCAGCGCGGCCGTGGCCAACCTGGAGCGCC				
38162	38187	35836	45897	CDS product large tegument protein
38188	38202	35836	45897	CDS product large tegument protein
38294	38310	35836	45897	CDS product large tegument protein
38339	38367	35836	45897	CDS product large tegument protein
GGGACACCTGGAGAAGCGGGAGCTGGAGG				
38458	38474	35836	45897	CDS product large tegument protein
38471	38496	35836	45897	CDS product large tegument protein
38594	38616	35836	45897	CDS product large tegument protein
38644	38666	35836	45897	CDS product large tegument protein
38777	38808	35836	45897	CDS product large tegument protein
GGCGCGGGACGCGCGGGTTGCCGCGGCCGAGG				
38797	38819	35836	45897	CDS product large tegument protein
38883	38904	35836	45897	CDS product large tegument protein
38909	38927	35836	45897	CDS product large tegument protein
39050	39063	35836	45897	CDS product large tegument protein

37958-37972	4:01:01	CCTGGCCGCCGTGCC
37973-38017	8:05:02	
38062-38082	4:01:01	CCCAGCCATCGCCATGGACC
38091-38133	7:04:01	
38102-38139	6:03:01	
38162-38187	5:02:01	GGACCGGGCCGCGGGGCTGCGGCGG
38188-38202	4:01:01	CCGCCCGCGGCGTCC
38294-38310	4:01:01	GGCGCTGGGGGCGTGGG
38339-38367	5:02:01	
38458-38474	4:01:01	CCGCCGTGACCAGGCC
38471-38496	5:02:01	GGCCGCGGCGACGCGTCGGACTCGG
38594-38616	7:04:01	GGAGGTGGCGGCGCAGGTGGGGG
38644-38666	4:01:01	CCCACGCCGCGGCCAGCGGGCC
38777-38808	5:02:01	
38797-38819	4:01:01	CCGCGGCCGAGGACCTGCGCGCC
38883-38904	4:01:01	GGCAGTATCGGGAGGCGCTGG
38909-38927	4:01:01	CCCCAACGCCACACGGCC
39050-39063	5:02:01	GGGGCGGTGGAGG

39091	39102	35836	45897	CDS product large tegument protein
39191	39204	35836	45897	CDS product large tegument protein
39256	39272	35836	45897	CDS product large tegument protein
39302	39315	35836	45897	CDS product large tegument protein
39326	39345	35836	45897	CDS product large tegument protein
39356	39390	35836	45897	CDS product large tegument protein
GGCGCGGCACGTGGCATCCGAGGTGACGGCCGTGG				
39385	39398	35836	45897	CDS product large tegument protein
39418	39439	35836	45897	CDS product large tegument protein
39541	39561	35836	45897	CDS product large tegument protein
39742	39756	35836	45897	CDS product large tegument protein
39770	39800	35836	45897	CDS product large tegument protein
CCGCTTCAACCCCCACGCGCCCGAGAACGCC				
39811	39828	35836	45897	CDS product large tegument protein
39862	39884	35836	45897	CDS product large tegument protein
39894	39918	35836	45897	CDS product large tegument protein
40064	40095	35836	45897	CDS product large tegument protein
GGGGCACTTGACTTCGAGGCCGAGATGGAGG				
40127	40147	35836	45897	CDS product large tegument protein
40189	40229	35836	45897	CDS product large tegument protein
GGGCGGAGGAGGCCGAACGGGCGCTGGAGGCGGCGTGCGG				
40274	40310	35836	45897	CDS product large tegument protein
CCTGGAGGCCTTCGACCAGACCAGGTTCCCGGGTCC				

39091-39102	4:01:01	GGGAGGCGGTGG
39191-39204	4:01:01	CCAGGCCCGCTCC
39256-39272	4:01:01	CCGCCGTGTCGGCCGCC
39302-39315	4:01:01	GGCGGCTCCGGGGG
39326-39345	4:01:01	GGCGGACGCGCTGGACGGGG
39356-39390	6:03:01	
39385-39398	4:01:01	CCGTGGCCCGCCGCC
39418-39439	4:01:01	GGCTGGACGGGACGCCTTGGG
39541-39561	4:01:01	GGCAGCGGCGGAGCGGGAGG
39742-39756	4:01:01	CCGTCACCACCGTCC
39770-39800	5:02:01	
39811-39828	5:02:01	CCAACCCCACCATCCACC
39862-39884	5:02:01	CCCTGGCCGCGCCGATCCTCGCC
39894-39918	6:03:01	GGCGGCGTGGACGTGGAGGAGCTGG
40064-40095	5:02:01	
40127-40147	4:01:01	GGCCTCGGGGTCCGCGCGGG
40189-40229	9:06:02	
40274-40310	6:03:01	

40324	40350	35836	45897	CDS product large tegument protein	40324-40350 6:03:01	CCGCGGCCCTTGCCGTCCGCCAGGACC
40387	40415	35836	45897	CDS product large tegument protein	40387-40415 7:04:01	
CCGTCCGCCGCGAGGCCACCGACCGGGCC						
40433	40443	35836	45897	CDS product large tegument protein	40433-40443 4:01:01	GGTGGTGGAGG
40478	40497	35836	45897	CDS product large tegument protein	40478-40497 4:01:01	CCTAGCCAACCTCAAGAACC
40547	40563	35836	45897	CDS product large tegument protein	40547-40563 4:01:01	GGCGGCCTCGGCCGAGG
40628	40640	35836	45897	CDS product large tegument protein	40628-40640 4:01:01	GGCGGTGGAGTGG
41231	41261	35836	45897	CDS product large tegument protein	41231-41261 7:04:01	
GGCGATGGGCTCGGCGGCGTCGGGCGGCCG						
41258	41276	35836	45897	CDS product large tegument protein	41258-41276 4:01:01	CCGGCCCCACCTCGAGGCC
41342	41355	35836	45897	CDS product large tegument protein	41342-41355 4:01:01	GGGGACAAGGAGG
41493	41516	35836	45897	CDS product large tegument protein	41493-41516 4:01:01	GGCCGAACAGGGCGGTGCATGCGG
41597	41618	35836	45897	CDS product large tegument protein	41597-41618 5:02:01	CCTTGGCCTGGACCGGGCCGCC
41783	41804	35836	45897	CDS product large tegument protein	41783-41804 5:02:01	GGCGGGCGGCTTCGCGGTGCGG
41826	41842	35836	45897	CDS product large tegument protein	41826-41842 4:01:01	GGCGGGAGCGGAAGTGG
42033	42055	35836	45897	CDS product large tegument protein	42033-42055 4:01:01	GGGCCC GCGGAGCCCGGGGCGGG
42059	42112	35836	45897	CDS product large tegument protein	42059-42112 9:06:02	
CCCCTCTCGGTCCGCCACCGGCAGCGCCCCGGGCCGGTGGCGCCGCTGCCGCC						
42209	42227	35836	45897	CDS product large tegument protein	42209-42227 4:01:01	CCTCTGGCTCCACTCCCCC
42228	42277	35836	45897	CDS product large tegument protein	42228-42277 7:04:01	
GGGGAGCGGGGCCGCGCGGCCGCGCCAAAGTGCCGCGGCCATCCCGGG						
42239	42283	35836	45897	CDS product large tegument protein	42239-42283 7:04:01	
CCGCGCGGCCGCGGCCAAAGTGCCGCGGCCATCCCGGGCAACCC						

42448	42473	35836	45897	CDS product large tegument protein	42448-42473	5:02:01	CCGCGGCCGCCGAAACGGCCCCACCC
42713	42740	35836	45897	CDS product large tegument protein	42713-42740	5:02:01	CCCGGCCGTTTCTCGGACCTCAGCTCC
42820	42861	35836	45897	CDS product large tegument protein	42820-42861	8:05:02	
CCATGATAGCCTCCAAGCCGCTGGCCGACGCGCCCCCTTGCC							
42907	42935	35836	45897	CDS product large tegument protein	42907-42935	7:04:01	
CCCCGCCCCGCCGCCGCGGAGCCGACC							
43063	43079	35836	45897	CDS product large tegument protein	43063-43079	4:01:01	GGGCAACGGCGGAGGGG
43134	43163	35836	45897	CDS product large tegument protein	43134-43163	7:04:01	
CCGTACGCCACCATCTCGCCCCGCCACCC							
43179	43202	35836	45897	CDS product large tegument protein	43179-43202	5:02:01	CCGGGGCACCCACCGAGCGCCCC
43236	43261	35836	45897	CDS product large tegument protein	43236-43261	5:02:01	GGCGCGGCGAGCCGGGGCGAAACGG
43274	43295	35836	45897	CDS product large tegument protein	43274-43295	4:01:01	CCTCGACAACCAGCCGTATGCC
43345	43367	35836	45897	CDS product large tegument protein	43345-43367	5:02:01	GGCAGGAGTGGCTCGAGGACGGG
43440	43457	35836	45897	CDS product large tegument protein	43440-43457	4:01:01	CCGCCCAAGTCGCCACCC
43473	43529	35836	45897	CDS product large tegument protein	43473-43529	12:09:03	
CCTCTCGCCGGGGCCCGCCGCCCAAGTCGCCGCGCTGACCCGGCCGCCGCC							
43576	43601	35836	45897	CDS product large tegument protein	43576-43601	5:02:01	CCTTGCCCAACAAGCCCCCGCGCCC
43611	43634	35836	45897	CDS product large tegument protein	43611-43634	6:03:01	CCCGCCGCCACCCCGAGGCGCCC
43628	43652	35836	45897	CDS product large tegument protein	43628-43652	5:02:01	GGCGCCCTCGGTGGCGGGGCGGAGG
43657	43681	35836	45897	CDS product large tegument protein	43657-43681	6:03:01	CCGCCGCCCAACAACGCCGCCCCC
43696	43730	35836	45897	CDS product large tegument protein	43696-43730	7:04:01	
CCGCGGCCGCCCAAAACCCGCTGGAATACCC							
43761	43793	35836	45897	CDS product large tegument protein	43761-43793	6:03:01	

CCCGATGCCTCCCGGGCGCCGAGCGCCGGGCCCC					
43828	43851	35836	45897	CDS product large tegument protein	43828-43851 4:01:01 CCAAGACGCCAGCGGGCCCCGCC
43891	43910	35836	45897	CDS product large tegument protein	43891-43910 5:02:01 CCTCCTCGGCCGCCACTGCC
43953	43987	35836	45897	CDS product large tegument protein	43953-43987 7:04:01
CCGGCCAGACTGCCTCCCGAGGCCAGCCCCAAGCC					
44069	44122	35836	45897	CDS product large tegument protein	44069-44122 9:06:02
CCCGCTTCCCCCTCCGCCGTCAGCCCCGTCGAGCCCGCGCCCGCGTCGTCCCC					
44138	44171	35836	45897	CDS product large tegument protein	44138-44171 8:05:02
CCCGCTCCCCCTCCGCCACCCCTGAAGCCGCCC					
44186	44218	35836	45897	CDS product large tegument protein	44186-44218 7:04:01
CCCGCCCCCGCGCCAGTGCCGGCGCCCTCCC					
44219	44271	35836	45897	CDS product large tegument protein	44219-44271 11:08:02
GGCGGCGTCTGGGGCCAAACGGCAGGACGGGCGGCTCCGGCGGTCCGGCGAGG					
44277	44305	35836	45897	CDS product large tegument protein	44277-44305 6:03:01
CCTCCGTCCGGCCACAATCCACTGCGCC					
44397	44441	35836	45897	CDS product large tegument protein	44397-44441 8:05:02
CCGATACCCGAGTCCCCGACTGAGCCGGCGCCGCCCCGCTCGCC					
44458	44494	35836	45897	CDS product large tegument protein	44458-44494 6:03:01
CCGTCTCGGCCGCCGACGTTCTATCCCGGGCTCGCC					
44516	44552	35836	45897	CDS product large tegument protein	44516-44552 8:05:02
CCTCCACCCGGCCCCGATCCCCCTGCCAGACTCGCCC					
44729	44747	35836	45897	CDS product large tegument protein	44729-44747 4:01:01 CCCTCCTCCGGGACGACCC
44766	44797	35836	45897	CDS product large tegument protein	44766-44797 6:03:01

CCTCAGCCTGGTAAACCGCCAGTTCCGGTCC					
44831	44893	35836	45897	CDS product large tegument protein	44831-44893 11:08:02
GGCAGCGGCTGATGGGCCGGCGAAGAAGGGTAAGGGTGGTGCTCCGGATAAGAAGCGGCCGG					
45038	45066	35836	45897	CDS product large tegument protein	45038-45066 6:03:01
GGAGGCCGCGGACGGCCCCGGCCGCGAGG					
45083	45099	35836	45897	CDS product large tegument protein	45083-45099 5:02:01 GGAGGAGGAAGGAGGGG
45100	45129	35836	45897	CDS product large tegument protein	45100-45129 6:03:01
CCACCACCGCAACTGCCGCGCCCCGGCGCC					
45182	45231	35836	45897	CDS product large tegument protein	45182-45231 11:08:02
CCCCCGAGAACCGCCCTCTCCGCCGCTGCGTCGCCGCTGCGCGCCCC					
45264	45285	35836	45897	CDS product large tegument protein	45264-45285 4:01:01 CCGTGCTTCCGCAGCCCCCTCC
45292	45316	35836	45897	CDS product large tegument protein	45292-45316 5:02:01 GGACGGCGCCGGCGCCGGCGCCGG
45359	45378	35836	45897	CDS product large tegument protein	45359-45378 5:02:01 CCCGCCCCGCGCCCCCGGCC
45400	45436	35836	45897	CDS product large tegument protein	45400-45436 7:04:01
CCGAAGACCTGGAGGACCTTCCGCTGTCCCCCGAGCC					
45652	45675	35836	45897	CDS product large tegument protein	45652-45675 5:02:01 GGCGGCCCTCGCGGGCGAAGTGG
46314	46344	46036	46404	CDS product small capsid protein	46314-46344 7:04:01
GGTCGCCCCGATGGTGGTGGGGTCGGACGGG					
46510	46527	46500	47330	CDS product nuclear egress membrane protein	46510-46527 5:02:01 GGCGGGGAGAAGGGCGG
46568	46596	46500	47330	CDS product nuclear egress membrane protein	46568-46596 6:03:01
GGCCATCAGGCGCCACGGGCGCGGGCGG					
46708	46738	46500	47330	CDS product nuclear egress membrane protein	46708-46738 5:02:01
GGGGCCCGAGGTCTCGGGCGGTGCGCCGG					

46912	46924	46500	47330	CDS product nuclear egress membrane protein	46912-46924 4:01:01 CCAGCCCGCCGCC
46964	46982	46500	47330	CDS product nuclear egress membrane protein	46964-46982 4:01:01 GGCCTGGGTCGACCGGAGG
47000	47022	46500	47330	CDS product nuclear egress membrane protein	47000-47022 4:01:01
GGACGTGATGGGCGCTGCGGCGG					
47077	47101	46500	47330	CDS product nuclear egress membrane protein	47077-47101 4:01:01
GGATTCGGACGTACGGGTCGCACGG					
47198	47213	46500	47330	CDS product nuclear egress membrane protein	47198-47213 5:02:01 GGGGAGGTGGCGGGGG
47544	47574	47542	47922	CDS product DNA packaging protein UL33	47544-47574 6:03:01
GGCATCGTGGAGGATCTGGTGCAGGTCGAGG					
47603	47625	47542	47922	CDS product DNA packaging protein UL33	47603-47625 5:02:01 CCTTGC GCGCTCCAGGGCCGCC
47807	47827	47542	47922	CDS product DNA packaging protein UL33	47807-47827 4:01:01 GGTCGCCGGGGCGGTACTTGG
47922	47959	47921	49786	CDS product DNA packaging protein UL32	47922-47959 9:06:02
GGCCTCTGGCGCGGGGGCGGGTGGGCGCCGGGGG					
48088	48126	47921	49786	CDS product DNA packaging protein UL32	48088-48126 7:04:01
GGCGACGGGAGGACGGGGACGCGGATGAAGCGGGCGGG					
48152	48172	47921	49786	CDS product DNA packaging protein UL32	48152-48172 4:01:01 CCGTGGCCGACTCCCTGGCCC
48269	48290	47921	49786	CDS product DNA packaging protein UL32	48269-48290 4:01:01 CCAAGTGCCTGGCAGCCCCGCC
48466	48497	47921	49786	CDS product DNA packaging protein UL32	48466-48497 6:03:01
CCGCGAGGCCCGCCCGCGCGCCGCGGCGCC					
48536	48564	47921	49786	CDS product DNA packaging protein UL32	48536-48564 5:02:01
CCAATACTCCTTCCTGGTCCAGTCATCC					
48603	48620	47921	49786	CDS product DNA packaging protein UL32	48603-48620 5:02:01 GGCGGAGGCGGCGTCGGG
48647	48664	47921	49786	CDS product DNA packaging protein UL32	48647-48664 4:01:01 GGGAGCAGGGCGGCGCGG

48665	48717	47921	49786	CDS product DNA packaging protein UL32	48665-48717	9:06:02
CCGCCGCTGGAGCCGCGCTGGCCCAGCCCCGCGCCAGCAGTCCCTCGGGCC						
48753	48788	47921	49786	CDS product DNA packaging protein UL32	48753-48788	6:03:01
GGACTGCTCGGGCCCGAGCTGCGGCGCGCCGGGG						
48855	48882	47921	49786	CDS product DNA packaging protein UL32	48855-48882	6:03:01
GGCCAAGGCCGAGGGCGGGACGGGGG						
48894	48925	47921	49786	CDS product DNA packaging protein UL32	48894-48925	6:03:01
GGCGCGCGGACATGGGGCTACGCGGACCTGG						
48948	48972	47921	49786	CDS product DNA packaging protein UL32	48948-48972	5:02:01
GGCCACGTGGGAGGACGGAGAAAGG						
49067	49101	47921	49786	CDS product DNA packaging protein UL32	49067-49101	6:03:01
CCCGGTTTGCCGAGCCCGACGCCGAGCCCGACGCC						
49110	49128	47921	49786	CDS product DNA packaging protein UL32	49110-49128	4:01:01 CCCTGTCCTAGCGACCACC
49290	49345	47921	49786	CDS product DNA packaging protein UL32	49290-49345	11:08:02
GGAGGCGCTGGCCGCCGCGAGGGCAGGGAAGGGCTGAGGCGGCGCGGACCGAGG						
49359	49375	47921	49786	CDS product DNA packaging protein UL32	49359-49375	4:01:01 GGATAGAGGGGCGGAGG
49386	49407	47921	49786	CDS product DNA packaging protein UL32	49386-49407	4:01:01 GGGCGATGGGCTCAGCGGCCGG
49449	49462	47921	49786	CDS product DNA packaging protein UL32	49449-49462	4:01:01 GGCTGGGACGGAGG
49512	49531	47921	49786	CDS product DNA packaging protein UL32	49512-49531	4:01:01 CCACACCAACCCCGGTGTCC
49540	49562	47921	49786	CDS product DNA packaging protein UL32	49540-49562	6:03:01 CCGCCGGGCCCGCCCGGAGCC
49674	49698	47921	49786	CDS product DNA packaging protein UL32	49674-49698	5:02:01
CCCCCCAAGCCAACCGCAGGAGCC						
49715	49745	47921	49786	CDS product DNA packaging protein UL32	49715-49745	6:03:01

CCGGCCTGCTGCTCCGGCGCCACAACCTCCC					
49801	49828	49779	50774	CDS product nuclear egress lamina protein	49801-49828 6:03:01
CCGCCGGGCCACGCCCGAGCCGACCCC					
49924	49945	49779	50774	CDS product nuclear egress lamina protein	49924-49945 4:01:01
CCGCGCGCGCCTCGGCTCCGCC					
50088	50131	49779	50774	CDS product nuclear egress lamina protein	50088-50131 8:05:02
CCGCGCCCGTGACCCTCCCCTTTGACCTACCCAGACCGTGGCC					
50988	51007	50698	54363	CDS product DNA polymerase catalytic subunit	50988-51007 4:01:01
GGGGTCCTCGGCCAGGTCGG					
51048	51069	50698	54363	CDS product DNA polymerase catalytic subunit	51048-51069 6:03:01
GGAGGGGGGCTGGGGCGGGGG					
51386	51417	50698	54363	CDS product DNA polymerase catalytic subunit	51386-51417 6:03:01
CCGTCGCTTCGCGCGGCCGCGGCCACGGCC					
51428	51447	50698	54363	CDS product DNA polymerase catalytic subunit	51428-51447 4:01:01
GGAGCAGGTCCACCAGGTGG					
51883	51912	50698	54363	CDS product DNA polymerase catalytic subunit	51883-51912 5:02:01
CCGTTGGCCACGCCCCGTAACCGTACACC					
51923	51939	50698	54363	CDS product DNA polymerase catalytic subunit	51923-51939 4:01:01
CCACCTTGATGGCCGCC					
51950	51966	50698	54363	CDS product DNA polymerase catalytic subunit	51950-51966 4:01:01
CCAGCAGCACCGCCTCC					
51969	52000	50698	54363	CDS product DNA polymerase catalytic subunit	51969-52000 6:03:01
GGGGTGCTGGAGGGAATGCGGGCCCGCACGG					

52125	52152	50698	54363	CDS product DNA polymerase catalytic subunit	52125-52152 7:04:01
CCCGGCCACGTCCGCCGCTCCGCGGCC					
52211	52224	50698	54363	CDS product DNA polymerase catalytic subunit	52211-52224 4:01:01 CCAGCACCACCACC
52293	52306	50698	54363	CDS product DNA polymerase catalytic subunit	52293-52306 4:01:01 GGCCCGGGAGGCGG
52334	52352	50698	54363	CDS product DNA polymerase catalytic subunit	52334-52352 4:01:01
CCCCGCCGCCCTCGCTCCC					
52364	52380	50698	54363	CDS product DNA polymerase catalytic subunit	52364-52380 4:01:01
CCGAACCCTCCCGCTCC					
52389	52415	50698	54363	CDS product DNA polymerase catalytic subunit	52389-52415 5:02:01
GGCCTCGGCGTCGAGTCTCCGGCGG					
52406	52450	50698	54363	CDS product DNA polymerase catalytic subunit	52406-52450 9:06:02
CCTCCGGCGGCGCCGATCCTCGTCCGCCCGCCAAACCGGCGCC					
52445	52464	50698	54363	CDS product DNA polymerase catalytic subunit	52445-52464 4:01:01
GGCGCCGGTTGTCGGGGAGG					
52556	52581	50698	54363	CDS product DNA polymerase catalytic subunit	52556-52581 5:02:01
CCAGCCTGGCCACGGCCGAGAGTCC					
52583	52593	50698	54363	CDS product DNA polymerase catalytic subunit	52583-52593 4:01:01 GGTGGGGGAGG
52612	52629	50698	54363	CDS product DNA polymerase catalytic subunit	52612-52629 4:01:01
CCCACCAGCCGGGAGTCC					
52721	52749	50698	54363	CDS product DNA polymerase catalytic subunit	52721-52749 5:02:01
CCTTGAGCACCTCGCCACACGGCGTCC					
52897	52919	50698	54363	CDS product DNA polymerase catalytic subunit	52897-52919 5:02:01
CCGTAGCCGTCCAGCCGGAGGCC					

52980	52996	50698	54363	CDS product DNA polymerase catalytic subunit	52980-52996 4:01:01
GGTGGCGAACTCGGGG					
53009	53031	50698	54363	CDS product DNA polymerase catalytic subunit	53009-53031 5:02:01
GGAAGGTGAGGAAGGCGAGAAG					
53358	53378	50698	54363	CDS product DNA polymerase catalytic subunit	53358-53378 4:01:01
GGTCGCGTGGCGGTCAACCGG					
53403	53421	50698	54363	CDS product DNA polymerase catalytic subunit	53403-53421 4:01:01
GGGGCCGGGGCGCAGGCGG					
53650	53681	50698	54363	CDS product DNA polymerase catalytic subunit	53650-53681 9:06:02
CCGCCCCACCAGCCCCCGCGCCCCCTCGCC					
53684	53706	50698	54363	CDS product DNA polymerase catalytic subunit	53684-53706 6:03:01
GGCGATCGGCGGGGTGGAGGGG					
53954	53967	50698	54363	CDS product DNA polymerase catalytic subunit	53954-53967 4:01:01 CCACCGTCTCCACC
54013	54027	50698	54363	CDS product DNA polymerase catalytic subunit	54013-54027 4:01:01 GGCCGAAGGCCCGG
54015	54034	50698	54363	CDS product DNA polymerase catalytic subunit	54015-54034 4:01:01
CCGGAAGGCCCGCCGTTC					
54044	54066	50698	54363	CDS product DNA polymerase catalytic subunit	54044-54066 4:01:01
CCCGGCGGGGCCAGCAGCCCTCC					
54149	54169	50698	54363	CDS product DNA polymerase catalytic subunit	54149-54169 7:04:01
GGCGGCGGTTCGGTGGGGCGG					
54225	54246	50698	54363	CDS product DNA polymerase catalytic subunit	54225-54246 5:02:01
GGAGTGGGGCGGGGCGCGGG					
54690	54725	54684	58328	CDS product single-stranded DNA-binding protein	54690-54725 7:04:01

CCGCACCCAAAACCGTCAGCCTCCCAGCGGCCCCC					
54895	54913	54684	58328	CDS product single-stranded DNA-binding protein	54895-54913 4:01:01
GGGACTCGGCGGCAGCGGG					
54932	54948	54684	58328	CDS product single-stranded DNA-binding protein	54932-54948 4:01:01
CCCAGCCACTACCACCC					
54975	54988	54684	58328	CDS product single-stranded DNA-binding protein	54975-54988 4:01:01 CCGCCATCCGAGCC
54999	55030	54684	58328	CDS product single-stranded DNA-binding protein	54999-55030 7:04:01
CCCCAACCTATCCCGGCCTGCGACGCCGCC					
55032	55052	54684	58328	CDS product single-stranded DNA-binding protein	55032-55052 4:01:01
GGAAGCGGTTTGGCTTCTCGG					
55208	55223	54684	58328	CDS product single-stranded DNA-binding protein	55208-55223 4:01:01 GGCGGCGCGGCACGG
55310	55333	54684	58328	CDS product single-stranded DNA-binding protein	55310-55333 4:01:01
CCCTTCAACGCCAAGCACCGCTCC					
55552	55601	54684	58328	CDS product single-stranded DNA-binding protein	55552-55601 9:06:02
GGGCAGGGGCGGCGCCGCGGGCCCCAGCGGGGCGGGACGGCACCTCGG					
55596	55615	54684	58328	CDS product single-stranded DNA-binding protein	55596-55615 4:01:01
CCTCGGCAAGAGCACCCCC					
55622	55664	54684	58328	CDS product single-stranded DNA-binding protein	55622-55664 9:06:02
GGGACGGAGCGGCGCCTGGCCTCGGTGATGGCGGCGGACACGG					
55687	55697	54684	58328	CDS product single-stranded DNA-binding protein	55687-55697 4:01:01 GGGGGCGGGG
55768	55781	54684	58328	CDS product single-stranded DNA-binding protein	55768-55781 4:01:01 GGAGGCGCTGGGG
55794	55820	54684	58328	CDS product single-stranded DNA-binding protein	55794-55820 5:02:01
GGGTCTCGGCCTGGTAGGGGCCATGG					

55852	55869	54684	58328	CDS product single-stranded DNA-binding protein	55852-55869	5:02:01
GGAGGTGGACGACGGCGG						
55897	55919	54684	58328	CDS product single-stranded DNA-binding protein	55897-55919	4:01:01
CCCCTCATACCACGCTTCTACC						
56116	56130	54684	58328	CDS product single-stranded DNA-binding protein	56116-56130	4:01:01 GGGGGCCTTTGGCGG
56154	56183	54684	58328	CDS product single-stranded DNA-binding protein	56154-56183	6:03:01
GGTATCTGGCCGGTACGCTGGAGTCGGAGG						
56186	56218	54684	58328	CDS product single-stranded DNA-binding protein	56186-56218	5:02:01
CCCTGCGGCCTTTGCGACCGAACCACGCGCCCC						
56242	56252	54684	58328	CDS product single-stranded DNA-binding protein	56242-56252	4:01:01 CCGCCTCCGCC
56452	56471	54684	58328	CDS product single-stranded DNA-binding protein	56452-56471	5:02:01
GGAGCAGGCCAGGCTGGTGG						
56491	56517	54684	58328	CDS product single-stranded DNA-binding protein	56491-56517	5:02:01
GGCCGGCGTCGGCCCCGGCGCAGCGGG						
56566	56585	54684	58328	CDS product single-stranded DNA-binding protein	56566-56585	4:01:01
GGAGACGGTGGAGCAAGCGG						
56828	56849	54684	58328	CDS product single-stranded DNA-binding protein	56828-56849	5:02:01
CCAGTGCTCCGCCGCCGCTTCC						
56878	56921	54684	58328	CDS product single-stranded DNA-binding protein	56878-56921	9:06:02
GGCCAAGACGGTGACGGTGACGGTGGCCGAGTCGGGGGTGGTGG						
56924	56959	54684	58328	CDS product single-stranded DNA-binding protein	56924-56959	7:04:01
CCTGACCTGACGCTCCCCGCCACGGAGCCCCCACC						
57061	57092	54684	58328	CDS product single-stranded DNA-binding protein	57061-57092	7:04:01

GGAGGCGGCCAAGGCGCGCTGGCCGGGATGG

57084	57112	54684	58328	CDS product single-stranded DNA-binding protein	57084-57112 6:03:01
CCGGGATGGCCAGCGCCTACCGCCGCCCC					
57181	57198	54684	58328	CDS product single-stranded DNA-binding protein	57181-57198 4:01:01
CCCCAAGGGCCACCCTCC					
57437	57459	54684	58328	CDS product single-stranded DNA-binding protein	57437-57459 4:01:01
GGCCTCACGGCCATTGTGGTGGG					
57462	57484	54684	58328	CDS product single-stranded DNA-binding protein	57462-57484 4:01:01
CCAAACGGCCCCGCGACCCGGCC					
57481	57508	54684	58328	CDS product single-stranded DNA-binding protein	57481-57508 5:02:01
GGCCTCGGTGCTGGCCTGGATCGACAGG					
57517	57539	54684	58328	CDS product single-stranded DNA-binding protein	57517-57539 5:02:01
GGGTCAGGCGGACGTGGAGCCGG					
57706	57735	54684	58328	CDS product single-stranded DNA-binding protein	57706-57735 6:03:01
GGCGGGCAACTGGAACGGCCTGAACGGCGG					
57817	57845	54684	58328	CDS product single-stranded DNA-binding protein	57817-57845 6:03:01
GGCCGGCGGCTTTGGCGCCGGCGTGCGGG					
57865	57891	54684	58328	CDS product single-stranded DNA-binding protein	57865-57891 6:03:01
GGTGCGTGGCATAGTGGCGGAGGGCGG					
57940	57961	54684	58328	CDS product single-stranded DNA-binding protein	57940-57961 5:02:01
CCCCCGCACCCAGCACCTGGCC					
57972	57989	54684	58328	CDS product single-stranded DNA-binding protein	57972-57989 5:02:01
GGGTCGGGCTGGTGGAGG					

58002	58027	54684	58328	CDS product single-stranded DNA-binding protein	58002-58027 4:01:01
CCGTCAGCCTGGATGCCATCAACGCC					
58046	58079	54684	58328	CDS product single-stranded DNA-binding protein	58046-58079 7:04:01
GGCGAGTGGACCGTGGAGGCGGCGCAGGAGCTGG					
58171	58192	54684	58328	CDS product single-stranded DNA-binding protein	58171-58192 5:02:01
GGCGGCCGGACCCGGGTTTGGG					
58223	58240	54684	58328	CDS product single-stranded DNA-binding protein	58223-58240 4:01:01
GGCGTCGGCGGCGCCGGG					
58445	58485	58444	60738	CDS product DNA packaging terminase subunit 2	58445-58485 8:05:02
GGAGCGGAGGAGGGCGCCGGAACGATCGGGAGGGCGCAGG					
58502	58524	58444	60738	CDS product DNA packaging terminase subunit 2	58502-58524 5:02:01
GGCGGTCTTCGGGCAGGTGCAGG					
58627	58642	58444	60738	CDS product DNA packaging terminase subunit 2	58627-58642 4:01:01 GGCGGAAGCTGGCGGG
58664	58685	58444	60738	CDS product DNA packaging terminase subunit 2	58664-58685 4:01:01
CCGACACCAGACGCCGCTCGCC					
58702	58721	58444	60738	CDS product DNA packaging terminase subunit 2	58702-58721 4:01:01
CCATGGCCTACGCCGAGGCC					
58718	58743	58444	60738	CDS product DNA packaging terminase subunit 2	58718-58743 5:02:01
GGCCGAGGGGAGCGGGTGCTCAAGG					
58988	59007	58444	60738	CDS product DNA packaging terminase subunit 2	58988-59007 4:01:01
GGCGGGAAGCGGCCTCGTGG					
59072	59110	58444	60738	CDS product DNA packaging terminase subunit 2	59072-59110 8:05:02
GGCCAACCAGGGGAGGCGGTGCACCGGCGGCTGCTGGG					

59134	59169	58444	60738	CDS product DNA packaging terminase subunit 2	59134-59169 8:05:02
GGCAGGCGGCGGTGCGGGTGGCCGACGCGGACATGG					
59228	59247	58444	60738	CDS product DNA packaging terminase subunit 2	59228-59247 4:01:01
GGCGCTCCGGGCGCTGGAGG					
59252	59279	58444	60738	CDS product DNA packaging terminase subunit 2	59252-59279 5:02:01
CCGTGCACCCGGGCGCCCCCGGCGCCC					
59389	59421	58444	60738	CDS product DNA packaging terminase subunit 2	59389-59421 6:03:01
GGCTGGCCTCGGCCGAGCGGGCGAGGGCGGGG					
59449	59472	58444	60738	CDS product DNA packaging terminase subunit 2	59449-59472 4:01:01
CCAACCTGGAGACCCTGGGGCGCC					
59486	59501	58444	60738	CDS product DNA packaging terminase subunit 2	59486-59501 4:01:01 CCACCTCCGAGCGGCC
59548	59577	58444	60738	CDS product DNA packaging terminase subunit 2	59548-59577 5:02:01
GGGTCTTCGCGGACGGGCTGCTGGACCTGG					
59660	59677	58444	60738	CDS product DNA packaging terminase subunit 2	59660-59677 4:01:01
CCACCACATGTCCGCACC					
59738	59757	58444	60738	CDS product DNA packaging terminase subunit 2	59738-59757 4:01:01
GGGGCGCGTAGGCATGGGGG					
60077	60105	58444	60738	CDS product DNA packaging terminase subunit 2	60077-60105 6:03:01
GGCGGTGGGGCGCGCCGAACGGTTGTGG					
60124	60141	58444	60738	CDS product DNA packaging terminase subunit 2	60124-60141 4:01:01
CCGCCTTCGACTCCCACC					
60347	60371	58444	60738	CDS product DNA packaging terminase subunit 2	60347-60371 4:01:01
GGTGACAGCGGCCCGCGCGATTGG					

60424	60443	58444	60738	CDS product DNA packaging terminase subunit 2	60424-60443	5:02:01
CCGCCACCCAGCGCCTGGCC						
60626	60653	58444	60738	CDS product DNA packaging terminase subunit 2	60626-60653	6:03:01
GGGCCCCGAGGGTACGGTCCGGGAGGGG						
60713	60747	60600	63581	CDS product envelope glycoprotein B	60713-60747	5:02:01
GGCTCCGGGGTCTGGGGCGAGCTAGGCGCCATCGG						
60751	60792	60600	63581	CDS product envelope glycoprotein B	60751-60792	8:05:02
CCGCTGCTCCCCGGGCGCCGTTGCCGGCGCCCGCCACCGCC						
60835	60861	60600	63581	CDS product envelope glycoprotein B	60835-60861	5:02:01
60864	60918	60600	63581	CDS product envelope glycoprotein B	60864-60918	11:08:02
CCACTCCGACGTCGCCCCGGCCACGCCAGCGCCCCACGACCCCTAGCCCGCC						
60930	60961	60600	63581	CDS product envelope glycoprotein B	60930-60961	7:04:01
CCTCCGAGCCGGCCGAACCGTCGCCGCTGCCC						
60965	60987	60600	63581	CDS product envelope glycoprotein B	60965-60987	5:02:01
61006	61031	60600	63581	CDS product envelope glycoprotein B	61006-61031	5:02:01
61062	61084	60600	63581	CDS product envelope glycoprotein B	61062-61084	6:03:01
61096	61119	60600	63581	CDS product envelope glycoprotein B	61096-61119	5:02:01
61260	61297	60600	63581	CDS product envelope glycoprotein B	61260-61297	7:04:01
CCATTACCAACCGCTACACCGACCGCGTGCCCGTCTCC						
61341	61361	60600	63581	CDS product envelope glycoprotein B	61341-61361	5:02:01
61393	61409	60600	63581	CDS product envelope glycoprotein B	61393-61409	4:01:01
61417	61444	60600	63581	CDS product envelope glycoprotein B	61417-61444	6:03:01
61543	61562	60600	63581	CDS product envelope glycoprotein B	61543-61562	5:02:01
GGAGGTGGACGCCCGGTCCG						

61774	61789	60600	63581	CDS product envelope glycoprotein B
61885	61903	60600	63581	CDS product envelope glycoprotein B
62033	62054	60600	63581	CDS product envelope glycoprotein B
62073	62092	60600	63581	CDS product envelope glycoprotein B
62133	62152	60600	63581	CDS product envelope glycoprotein B
62232	62257	60600	63581	CDS product envelope glycoprotein B
62281	62317	60600	63581	CDS product envelope glycoprotein B
CCTGCGCCGCGGGCCGCGGATGCCGCCACCCAGGCC				
62314	62333	60600	63581	CDS product envelope glycoprotein B
62506	62531	60600	63581	CDS product envelope glycoprotein B
62659	62677	60600	63581	CDS product envelope glycoprotein B
63088	63141	60600	63581	CDS product envelope glycoprotein B
GGGCCTGGGCAAAGCGGGCCAGGCCATCGGCAAGCTGGTGATCGGGCCGCGGG				
63135	63163	60600	63581	CDS product envelope glycoprotein B
CCGCGGGCGCGTCTCTCCACCGTGTC				
63225	63241	60600	63581	CDS product envelope glycoprotein B
63276	63301	60600	63581	CDS product envelope glycoprotein B
63346	63360	60600	63581	CDS product envelope glycoprotein B
63376	63398	60600	63581	CDS product envelope glycoprotein B
63472	63509	60600	63581	CDS product envelope glycoprotein B
CCCCGCCCTAATCGCCAACCACGTCTCCAACCTCGCCC				
63832	63857	63814	64314	CDS product protein V32
63854	63870	63814	64314	CDS product protein V32

61774-61789	4:01:01	GGTCGGCTGGGACTGG
61885-61903	4:01:01	CCGGGCCCTTTCCACGACC
62033-62054	4:01:01	CCCATGGAAACCTACCTTGCCC
62073-62092	4:01:01	CCTTCCGGCCCATGCTCTCC
62133-62152	4:01:01	CCAACCGCACCTACGACCCC
62232-62257	5:02:01	CCGAGGCCGTGCCCGCCGCGCAGCCC
62281-62317	8:05:02	
62314-62333	4:01:01	GGCCGGCAAAGACGGCAAGG
62506-62531	4:01:01	CCCCAGCGCCATCGCCTCGTCTTCCC
62659-62677	4:01:01	CCCCCGGTGACCTTCACC
63088-63141	8:05:02	
63135-63163	5:02:01	
63225-63241	4:01:01	CCGGCCTCGTGGCCGCC
63276-63301	4:01:01	CCAACCCCATGAAGGCCCTGTACCCC
63346-63360	4:01:01	GGCGGAGGCGACGG
63376-63398	4:01:01	GGACAAGCTGGAGCAGGCCCGGG
63472-63509	7:04:01	
63832-63857	6:03:01	CCGCTCCCGCCGAGTCCCCCTGGCC
63854-63870	4:01:01	GGCCGAGGAGGTTTCGG

63892	63911	63814	64314	CDS product protein V32
63946	63974	63814	64314	CDS product protein V32
63995	64020	63814	64314	CDS product protein V32
64054	64083	63814	64314	CDS product protein V32
64246	64268	63814	64314	CDS product protein V32
64467	64503	64409	65437	CDS product capsid scaffold protein
GGGTGGTGGCGGCGCTGGCATCGACGGTCTGGGTGGG				
64555	64586	64409	65437	CDS product capsid scaffold protein
GGGCCTCGCGGCTTCCGCGACGGCTGCTGGG				
64606	64635	64409	65437	CDS product capsid scaffold protein
GGCTGGCGGCGGGCAGGGCTGGGAGTGGG				
64669	64684	64409	65437	CDS product capsid scaffold protein
64716	64734	64409	65437	CDS product capsid scaffold protein
64739	64763	64409	65437	CDS product capsid scaffold protein
64773	64821	64409	65437	CDS product capsid scaffold protein
GGTGGCCCGCAAGGCGGTCCCCGGGTAAACGGCCGGCGCGCCGGCGGG				
64845	64862	64409	65437	CDS product capsid scaffold protein
64903	64929	64409	65437	CDS product capsid scaffold protein
65069	65094	64409	65437	CDS product capsid scaffold protein
65120	65138	64409	65437	CDS product capsid scaffold protein
65134	65150	64409	65437	CDS product capsid scaffold protein
65239	65281	64409	65437	CDS product capsid scaffold protein
GGCCACTGCGGGCGCGTGCGGGCGGAGCGGGCGGTACGGGTGG				

63892-63911	4:01:01	CCTCCGAAGCGCCCGCGGCC
63946-63974	5:02:01	CCGGCGCTGCCAGCACCCCCGCGAGCGCC
63995-64020	4:01:01	GGACACCGAGGAGCTGCTGGAGATGG
64054-64083	5:02:01	CCCCCAGCCGGCACAGCCCGCATTACCC
64246-64268	4:01:01	CCCCGTGTGCCCCCTGGATGGCC
64467-64503	8:05:02	
64555-64586	5:02:01	
64606-64635	7:04:01	
64669-64684	4:01:01	GGGCGGTGAGGATGG
64716-64734	4:01:01	CCGACACGACCGCCTGCCC
64739-64763	5:02:01	GGATACTGGGGGTAGACTGGCGGGG
64773-64821	9:06:02	
64845-64862	4:01:01	GGACGGCCCGGAGCTGGG
64903-64929	5:02:01	GGCTATGGTCGTCGAGGGGCGGTGGGG
65069-65094	6:03:01	GGGGACGGGGGGTGGGCTGGCATGG
65120-65138	4:01:01	CCGCCGCCCTTGCGGCC
65134-65150	4:01:01	GGCCTGCGGTGCGCGG
65239-65281	7:04:01	

65346	65371	64409	65437	CDS product capsid scaffold protein	65346-65371 4:01:01	GGTTGTACTGGGCCGTAGGAACGAGG
65383	65409	64409	65437	CDS product capsid scaffold protein	65383-65409 5:02:01	GGAAACAAGGGGGTTCCCGGAGCCGG
65418	65432	64409	65437	CDS product capsid scaffold protein	65418-65432 4:01:01	GGGAGCCGGAGGAGG
65445	65470	64409	66394	CDS product capsid maturation protease	65445-65470 5:02:01	
GGTGCTCGGGCGAGGGAGGTTGCGG						
65494	65522	64409	66394	CDS product capsid maturation protease	65494-65522 6:03:01	
GGGGGCGGAAGGCGTAGGCGCTAGAGGGG						
65600	65619	64409	66394	CDS product capsid maturation protease	65600-65619 4:01:01	CCTTCCCGCGACTCCGCCCC
65687	65714	64409	66394	CDS product capsid maturation protease	65687-65714 6:03:01	
CCCGCATGCCGGCCTCGCGCCGCCGCC						
65802	65820	64409	66394	CDS product capsid maturation protease	65802-65820 4:01:01	CCCACCGCGCGGCCTCCCC
65862	65885	64409	66394	CDS product capsid maturation protease	65862-65885 5:02:01	CCCGCACCCCGGCGCCAAGCGCC
65895	65905	64409	66394	CDS product capsid maturation protease	65895-65905 4:01:01	CCACCGCGGCC
66075	66108	64409	66394	CDS product capsid maturation protease	66075-66108 5:02:01	
CCGTCAGCCCCTCCCCGAGGTCCCCGAAAAATCC						
66244	66281	64409	66394	CDS product capsid maturation protease	66244-66281 8:05:02	
GGGGAGCTGGGAGCCGGCGGAAGGGCGGCCTCGACGG						
66760	66783	66507	68294	CDS product DNA packaging tegument protein UL25	66760-66783 5:02:01	
GGCTGGCTTGGTGCCGCGCCGAGG						
66948	66971	66507	68294	CDS product DNA packaging tegument protein UL25	66948-66971 5:02:01	
CCACTCCGGCTGGCCATGGCCGCC						
66988	67015	66507	68294	CDS product DNA packaging tegument protein UL25	66988-67015 4:01:01	
CCCCGCGGCTCCCGCGCCAGCGCGCC						

67189	67223	66507	68294	CDS product DNA packaging tegument protein UL25	67189-67223	6:03:01
CCAAAAACGCCGCCGCGCCCTGTAACTCGTCC						
67246	67288	66507	68294	CDS product DNA packaging tegument protein UL25	67246-67288	8:05:02
CCAGCGCCGCACCCGCGCGCCGACCGGCGCCGAGGCTTCC						
67274	67300	66507	68294	CDS product DNA packaging tegument protein UL25	67274-67300	5:02:01
GGCGCCGAGGCTTCCAGGAACGGGGG						
67364	67378	66507	68294	CDS product DNA packaging tegument protein UL25	67364-67378	4:01:01 CCGCCCCCGTTTCC
67393	67422	66507	68294	CDS product DNA packaging tegument protein UL25	67393-67422	6:03:01
GGTGCTTGGGAGGCGGGCGTGGTCGAAGG						
67436	67454	66507	68294	CDS product DNA packaging tegument protein UL25	67436-67454	4:01:01
CCCGGTGCCGCCCTCGCCC						
67460	67487	66507	68294	CDS product DNA packaging tegument protein UL25	67460-67487	6:03:01
GGCGGCGAGGGCGTCCAGGCAGCCGGG						
67518	67562	66507	68294	CDS product DNA packaging tegument protein UL25	67518-67562	7:04:01
GGGTACGACTGGCTAGGGGCCAGGAGCGGTGCGCAAGGTGCAGG						
67658	67677	66507	68294	CDS product DNA packaging tegument protein UL25	67658-67677	4:01:01
CCGAGACATCCGCCCGTCCC						
67714	67796	66507	68294	CDS product DNA packaging tegument protein UL25	67714-67796	14:11:03
CCACCAAACGGTCTGCAGGGCCCGGTACCACGTTCCGAACACCACCCCGTTGGATCCCCCGCCGCCGCCACGAACACC						
67907	67930	66507	68294	CDS product DNA packaging tegument protein UL25	67907-67930	6:03:01
CCCGCCGCCCCGCAATTACCGCC						
67934	67956	66507	68294	CDS product DNA packaging tegument protein UL25	67934-67956	6:03:01
GGGGGGGAGGACGCGGCGTCGG						

67957	67994	66507	68294	CDS product DNA packaging tegument protein UL25	67957-67994	9:06:02
CCTCTCCGCGGCCCGCGCGCTCTCCAGCGCCGCC						
68008	68027	66507	68294	CDS product DNA packaging tegument protein UL25	68008-68027	5:02:01
CCTTCGCCACCTGCCGCTCC						
68141	68160	66507	68294	CDS product DNA packaging tegument protein UL25	68141-68160	4:01:01
GGCGCGGTGGGCATTGTCGG						
68161	68187	66507	68294	CDS product DNA packaging tegument protein UL25	68161-68187	5:02:01
CCGAAAACGCGGGCCGCTCCAGTACC						
68390	68415	68361	69104	CDS product nuclear protein UL24	68390-68415	6:03:01
68416	68452	68361	69104	CDS product nuclear protein UL24	68416-68452	7:04:01
CCGCGCCGCTCGGGCCAGCCGCCGCGCGCCGGAACC						
68439	68504	68361	69104	CDS product nuclear protein UL24	68439-68504	14:11:03
GGCGCGCCGGAACCGGGGCGGGGCTGGGGCTGGGGCCGCCGGCGAGAGCGGAGCCCGGCGG						
68497	68534	68361	69104	CDS product nuclear protein UL24	68497-68534	6:03:01
CCCGGCGGCCCTTTTCGGCCGCGCCGCCGGGCGGCC						
68527	68542	68361	69104	CDS product nuclear protein UL24	68527-68542	4:01:01
68571	68585	68361	69104	CDS product nuclear protein UL24	68571-68585	4:01:01
68639	68660	68361	69104	CDS product nuclear protein UL24	68639-68660	4:01:01
68671	68693	68361	69104	CDS product nuclear protein UL24	68671-68693	5:02:01
68694	68709	68361	69104	CDS product nuclear protein UL24	68694-68709	4:01:01
68877	68894	68361	69104	CDS product nuclear protein UL24	68877-68894	4:01:01
68991	69011	68361	69104	CDS product nuclear protein UL24	68991-69011	5:02:01
69280	69298	69148	70200	CDS product thymidine kinase	69280-69298	4:01:01

69385	69411	69148	70200	CDS product thymidine kinase	69385-69411 6:03:01	GGAAACGGGCCGGGGGGCTGACGGGGG
69454	69474	69148	70200	CDS product thymidine kinase	69454-69474 4:01:01	CCACGCCCTACCTGCTGCTCC
69523	69543	69148	70200	CDS product thymidine kinase	69523-69543 5:02:01	CCGCCGCGCCCGACCTCGTCC
69625	69675	69148	70200	CDS product thymidine kinase	69625-69675 11:08:02	
CCCTGCTCGCCATGGCCGCCACCTCCCCCTGAAGCCCCGGGGCCAACC						
69713	69732	69148	70200	CDS product thymidine kinase	69713-69732 4:01:01	CCGCCTGCGCGCCCCGCGCCC
69822	69848	69148	70200	CDS product thymidine kinase	69822-69848 5:02:01	GGGCGCGTCTGGCGGACGGCTGGGGG
69855	69876	69148	70200	CDS product thymidine kinase	69855-69876 5:02:01	CCCCCTTCACTGCCGCCCGCC
69971	69996	69148	70200	CDS product thymidine kinase	69971-69996 5:02:01	GGATGAGCGGGGGGTGCTCCTGGAGG
70072	70094	69148	70200	CDS product thymidine kinase	70072-70094 5:02:01	CCCCGCGCCAGTGCCCGCCGCC
70132	70155	69148	70200	CDS product thymidine kinase	70132-70155 6:03:01	CCGGGGCCGCCGAGCCGCCGCC
70515	70604	70439	73075	CDS product envelope glycoprotein H	70515-70604 16:13:04	
CCCGGTTCCCACCCGGCGCCGCGTCTCCGTCGCGGCGACCCGTCCCCACAACGCCCCAACGACTCCGTCTCCCCCGCTGTTTCC						
70644	70663	70439	73075	CDS product envelope glycoprotein H	70644-70663 4:01:01	GGAAGCCGGCTTCGGCTTGG
70842	70860	70439	73075	CDS product envelope glycoprotein H	70842-70860 4:01:01	CCCCCGCCTAGGCGACCCC
71056	71079	70439	73075	CDS product envelope glycoprotein H	71056-71079 4:01:01	CCAAAACCCTCGGGCCGCAAGACC
71133	71153	70439	73075	CDS product envelope glycoprotein H	71133-71153 4:01:01	CCCTTTCGCTTCCGGGCCCC
71243	71260	70439	73075	CDS product envelope glycoprotein H	71243-71260 4:01:01	CCGTCGCCACCATCGGCC
71288	71303	70439	73075	CDS product envelope glycoprotein H	71288-71303 4:01:01	CCGTGAACCACCCCCC
71352	71368	70439	73075	CDS product envelope glycoprotein H	71352-71368 4:01:01	CCGTCTCGCCCCCAGCC
71380	71404	70439	73075	CDS product envelope glycoprotein H	71380-71404 6:03:01	CCCCCAGGGCTCCGGCCGGGCCCC
71466	71479	70439	73075	CDS product envelope glycoprotein H	71466-71479 4:01:01	GGCCCGGGCGGTGG
71499	71518	70439	73075	CDS product envelope glycoprotein H	71499-71518 4:01:01	CCTGGACTACCCTACCACC

71556	71575	70439	73075	CDS product envelope glycoprotein H
71781	71815	70439	73075	CDS product envelope glycoprotein H
CCTGGCCTTCGACCGCTCCGACGTCGCCGGTCGCC				
71822	71836	70439	73075	CDS product envelope glycoprotein H
71847	71872	70439	73075	CDS product envelope glycoprotein H
71912	71928	70439	73075	CDS product envelope glycoprotein H
71934	71961	70439	73075	CDS product envelope glycoprotein H
72044	72063	70439	73075	CDS product envelope glycoprotein H
72083	72101	70439	73075	CDS product envelope glycoprotein H
72210	72227	70439	73075	CDS product envelope glycoprotein H
72218	72256	70439	73075	CDS product envelope glycoprotein H
CCCTGGCCGGCCTGTCTGCCGGCGGCCCCAGTTTAGCC				
72378	72400	70439	73075	CDS product envelope glycoprotein H
72491	72517	70439	73075	CDS product envelope glycoprotein H
72675	72699	70439	73075	CDS product envelope glycoprotein H
72827	72849	70439	73075	CDS product envelope glycoprotein H
74561	74583	74386	75978	CDS product tegument protein UL21
74595	74613	74386	75978	CDS product tegument protein UL21
74656	74686	74386	75978	CDS product tegument protein UL21
GGAACTCTCGGCGCGCCGGCGAGGCTCACGG				
74693	74709	74386	75978	CDS product tegument protein UL21
74752	74769	74386	75978	CDS product tegument protein UL21
74844	74859	74386	75978	CDS product tegument protein UL21

71556-71575	5:02:01	GGAGGCCGGCAGAAAGGGGG
71781-71815	6:03:01	
71822-71836	4:01:01	GGCGCAGGGTGGCGG
71847-71872	6:03:01	GGAGGCGGCCTCGCGGCGGCCCTGG
71912-71928	4:01:01	CCGACCGGCGCCTGCCC
71934-71961	6:03:01	GGTGCGGCTGGCCGGCGACCTGGCAAGG
72044-72063	4:01:01	CCGCCGGGCGCCAGTCGCCC
72083-72101	5:02:01	CCGAGCCCACCGGCCCCC
72210-72227	4:01:01	GGAAACGGCCCTGGCCGG
72218-72256	7:04:01	
72378-72400	5:02:01	GGAGGCCAGCGGCGAGGCTTTGG
72491-72517	5:02:01	CCTGCACCAAGCCGCTGCCCAAGCTCC
72675-72699	5:02:01	CCGGGCGGCCACCCTGTTCACCCC
72827-72849	5:02:01	CCACCATCCCAGCCTTTAACCCC
74561-74583	5:02:01	CCGCTGCCGCCCAAATGCCCTCC
74595-74613	4:01:01	CCGGCCGAGAACCTTGCCC
74656-74686	5:02:01	
74693-74709	4:01:01	CCGCCAGCCACACTGCC
74752-74769	5:02:01	GGCGGGGGTTCGAGGCGG
74844-74859	4:01:01	GGCCTCGGGAAGGCGG

75092	75111	74386	75978	CDS product tegument protein UL21
75402	75426	74386	75978	CDS product tegument protein UL21
75678	75696	74386	75978	CDS product tegument protein UL21
75791	75822	74386	75978	CDS product tegument protein UL21

GGTCTCCAGGCGTTAGGCCGCGGACCGTCAGG

76562	76587	76498	77223	CDS product envelope protein UL20
76661	76683	76498	77223	CDS product envelope protein UL20
76697	76712	76498	77223	CDS product envelope protein UL20
76817	76839	76498	77223	CDS product envelope protein UL20
76938	76952	76498	77223	CDS product envelope protein UL20
77066	77085	76498	77223	CDS product envelope protein UL20
77128	77147	76498	77223	CDS product envelope protein UL20
77477	77495	77440	81570	CDS product major capsid protein
77757	77781	77440	81570	CDS product major capsid protein
78236	78262	77440	81570	CDS product major capsid protein
78395	78416	77440	81570	CDS product major capsid protein
78590	78615	77440	81570	CDS product major capsid protein
78706	78752	77440	81570	CDS product major capsid protein

CCCCGAGTCCCGGCCAGCCGCGCACCTACCCCCCAAGACC

78805	78830	77440	81570	CDS product major capsid protein
78918	78936	77440	81570	CDS product major capsid protein
79241	79286	77440	81570	CDS product major capsid protein

CCGGCACCGCCTGAGCCCCGCCACGGTGGCCGCGTCCGCGCCACC

75092-75111	4:01:01	CCAGGCCGTCCCACGTTTCC
75402-75426	5:02:01	CCCGTCCACCAGCGCCTCGAGCTCC
75678-75696	4:01:01	CCCCTGCGCCAAGACCTCC
75791-75822	5:02:01	

76562-76587	6:03:01	GGAGGCGCAGGCGGCGGACGACGGGG
76661-76683	4:01:01	GGTGAGCTCGGCCGCGCGCGGG
76697-76712	4:01:01	CCAGCCCGCCTTTTCC
76817-76839	5:02:01	GGCAGGGGGTGCGGCAACGCTGG
76938-76952	4:01:01	GGGCTGGCGGTGGGG
77066-77085	5:02:01	CCACCGGCTCCTGCCGCTCC
77128-77147	4:01:01	CCGTTTACGCCGCCGACGCC
77477-77495	5:02:01	GGAGGTGGTCCGCGCGGG
77757-77781	5:02:01	CCCCACCGGTCGACCAGCCCATCC
78236-78262	5:02:01	GGACACCAAGGGCCGCGCGGTGGACGG
78395-78416	4:01:01	GGTTATGGGCAAGGCCGTCCGG
78590-78615	6:03:01	CCAGGCCACCAACGTTCCCTACCCCC
78706-78752	9:06:02	

78805-78830	4:01:01	CCGCGGGCACCTCTGCCACAGCTCC
78918-78936	4:01:01	GGCGGGGCGGCTGCTGG
79241-79286	10:07:02	

79553	79591	77440	81570	CDS product major capsid protein	79553-79591 8:05:02
GGACTACACGGTCCCGGGGAGGCTCTCGGCGGCCAGGG					
79613	79641	77440	81570	CDS product major capsid protein	79613-79641 6:03:01
CCTGGTAGACCCCGCCTTCCTCCCGCCCC					
79658	79680	77440	81570	CDS product major capsid protein	79658-79680 5:02:01 CCCCTCATCTACCGGGCCGACC
79741	79758	77440	81570	CDS product major capsid protein	79741-79758 4:01:01 GGGTGGAGATGGCCGAGG
79826	79849	77440	81570	CDS product major capsid protein	79826-79849 4:01:01 CCCCGTCGTTCCCCACCACGACCC
79885	79904	77440	81570	CDS product major capsid protein	79885-79904 4:01:01 CCGTGGTCCCGCCTTCTCC
80001	80053	77440	81570	CDS product major capsid protein	80001-80053 8:05:02
CCCACGAGCCCGAGCGACCCGCGCCACCCGCTCAACCCGCGGCACCTCGTCCC					
80157	80208	77440	81570	CDS product major capsid protein	80157-80208 9:06:02
CCCATCCTGGCGGCCGTGGCCCCGACGCCGAACAGCCACGGCCGTGACCC					
80237	80250	77440	81570	CDS product major capsid protein	80237-80250 4:01:01 CCACCACGGCCTCC
80437	80460	77440	81570	CDS product major capsid protein	80437-80460 5:02:01 CCACCGTCCGACAGCCCGTGGTCC
80714	80732	77440	81570	CDS product major capsid protein	80714-80732 4:01:01 CCTTACCCAGCCCCGCGCC
80810	80829	77440	81570	CDS product major capsid protein	80810-80829 5:02:01 CCTCCCCAGAACCTGTACC
80898	80925	77440	81570	CDS product major capsid protein	80898-80925 5:02:01 GGCAACCGGCTCGGGCCCCAGGGCCCCGG
80949	80963	77440	81570	CDS product major capsid protein	80949-80963 4:01:01 CCAGCCGCCCCGGCC
81137	81153	77440	81570	CDS product major capsid protein	81137-81153 4:01:01 CCCAGCCTACCCAAGCC
81278	81296	77440	81570	CDS product major capsid protein	81278-81296 4:01:01 GGAGGTGGAGCAAGGGG
81319	81359	77440	81570	CDS product major capsid protein	81319-81359 7:04:01
CCGAGGCCGGCGCCTCCGTGGCGCCAGCACGGCCAACACC					
81384	81405	77440	81570	CDS product major capsid protein	81384-81405 4:01:01 GGGTCCGCGACCTTGTGGAGG

81925	81943	81813	82763	CDS product capsid triplex subunit 2	81925-81943 4:01:01	CCGCCGGGCCATGCTAGCC
81980	82027	81813	82763	CDS product capsid triplex subunit 2	81980-82027 10:07:02	
CCTCCGGACACCCTCTCCCTCATGGCCGCCTACCGCCGCCGTTTCCC						
82108	82130	81813	82763	CDS product capsid triplex subunit 2	82108-82130 4:01:01	CCAAAACACCGGCCCTTTGACC
82160	82193	81813	82763	CDS product capsid triplex subunit 2	82160-82193 6:03:01	
CCGCCGCTCCTGGACCTGGAAGACCGGCTGCGCC						
82370	82385	81813	82763	CDS product capsid triplex subunit 2	82370-82385 4:01:01	CCGGACCTCCAGCACC
82567	82589	81813	82763	CDS product capsid triplex subunit 2	82567-82589 5:02:01	CCAACAGCCGCCCGCGGCCCC
82621	82646	81813	82763	CDS product capsid triplex subunit 2	82621-82646 5:02:01	
GGCGCTGATGGCGTGGATTGGAACGG						
82706	82736	81813	82763	CDS product capsid triplex subunit 2	82706-82736 6:03:01	
GGCCCATCGGTGGTGGCCGAGGTGAGAAGG						
82909	82930	82877	88735	CDS product DNA packaging terminase subunit 1	82909-82930 5:02:01	
GGACGGGGGAGGCTGCTCAGG						
82938	82954	82877	88735	CDS product DNA packaging terminase subunit 1	82938-82954 4:01:01	
CCATCACCAGGGCCACC						
82965	82986	82877	88735	CDS product DNA packaging terminase subunit 1	82965-82986 4:01:01	
CCGACGCGCCGCTCGCTTCCC						
83330	83350	82877	88735	CDS product DNA packaging terminase subunit 1	83330-83350 4:01:01	
CCCTCGACGGCCACCCGACCC						
83359	83375	82877	88735	CDS product DNA packaging terminase subunit 1	83359-83375 4:01:01	
GGGTCGCGGGTGGATGG						
83495	83524	82877	88735	CDS product DNA packaging terminase subunit 1	83495-83524 6:03:01	

CCCACGACCGCCACGCCGTCCTCCGGACGCC					
83518	83548	82877	88735	CDS product DNA packaging terminase subunit 1	83518-83548 6:03:01
GGACGCCAGGGAGTTGGTGGTAAAGGCCGGG					
83580	83596	82877	88735	CDS product DNA packaging terminase subunit 1	83580-83596 4:01:01
CCGCCTGGTTCGCCACC					
83664	83685	82877	88735	CDS product DNA packaging terminase subunit 1	83664-83685 6:03:01
CCCCACTACGCCCCACCGCC					
83868	83878	82877	88735	CDS product DNA packaging terminase subunit 1	83868-83878 4:01:01 CCGCCGCCCCC
84125	84144	82877	88735	CDS product DNA packaging terminase subunit 1	84125-84144 5:02:01
CCCCCGCGCGCCCCACCACC					
84158	84215	82877	88735	CDS product DNA packaging terminase subunit 1	84158-84215 11:08:02
CCGCCTTTTCGCTCTTGCCGCCGTCGCGCCGACGCCGCCCCCGCCATGAACGCC					
84252	84278	84207	86327	CDS product DNA packaging tegument protein UL17	84252-84278 5:02:01
CCCGTCGCCGAGACCGGGGCCTGGTCC					
84290	84313	84207	86327	CDS product DNA packaging tegument protein UL17	84290-84313 5:02:01
CCCGACGCCTGCCTCGCCAAGGCC					
84745	84759	84207	86327	CDS product DNA packaging tegument protein UL17	84745-84759 4:01:01 CCGCCCTGACCTGCC
84793	84821	84207	86327	CDS product DNA packaging tegument protein UL17	84793-84821 5:02:01
GGCCGGCCTCCGGGACGCGGCCGCTTCGG					
84835	84851	84207	86327	CDS product DNA packaging tegument protein UL17	84835-84851 4:01:01
GGAGGTGGTCGACGGGG					
84948	84964	84207	86327	CDS product DNA packaging tegument protein UL17	84948-84964 4:01:01
CCCTTATCCGCGCGCC					

85018	85039	84207	86327	CDS product DNA packaging tegument protein UL17	85018-85039	5:02:01
GGGCGGCGGGCCGGTTCGAAGG						
85048	85077	84207	86327	CDS product DNA packaging tegument protein UL17	85048-85077	6:03:01
GGCCTCGGGGCTGCGGCAGGGGCGCGTGG						
85080	85107	84207	86327	CDS product DNA packaging tegument protein UL17	85080-85107	5:02:01
CCCGCCCGCCGGACGCCCGGCTGCCCC						
85090	85123	84207	86327	CDS product DNA packaging tegument protein UL17	85090-85123	6:03:01
GGACGCCCCGGCTGCCCCGGGCGGGGGGCGGG						
85186	85198	84207	86327	CDS product DNA packaging tegument protein UL17	85186-85198	4:01:01
85195	85214	84207	86327	CDS product DNA packaging tegument protein UL17	85195-85214	5:02:01
CCGCGCCACCTGCCCCGCC						
85229	85259	84207	86327	CDS product DNA packaging tegument protein UL17	85229-85259	5:02:01
CCCGCGGACCGCAAAGCCCCCGCGCGCCC						
85283	85306	84207	86327	CDS product DNA packaging tegument protein UL17	85283-85306	5:02:01
CCCGAGAACGCCAACCCCTCACC						
85471	85513	84207	86327	CDS product DNA packaging tegument protein UL17	85471-85513	8:05:02
CCGCGCGCCACGGGCCACCTCGCCGGCTCGGCCACCCGGCC						
85521	85544	84207	86327	CDS product DNA packaging tegument protein UL17	85521-85544	4:01:01
GGGCGTGCCTGGTCGCCGGCGTGG						
85546	85574	84207	86327	CDS product DNA packaging tegument protein UL17	85546-85574	6:03:01
CCACCCGCGCAACCTGCCTCCCGAGGCC						
85613	85635	84207	86327	CDS product DNA packaging tegument protein UL17	85613-85635	5:02:01
CCGCTCGCCAACACGCCCGGCC						

85722	85743	84207	86327	CDS product DNA packaging tegument protein UL17	85722-85743 4:01:01
CCGAAAGCCTGCGGCCAGCCC					
85774	85787	84207	86327	CDS product DNA packaging tegument protein UL17	85774-85787 4:01:01 CCACGACCGCCACC
85831	85847	84207	86327	CDS product DNA packaging tegument protein UL17	85831-85847 4:01:01
GGAGGCCGTGGCCTTGG					
85836	85870	84207	86327	CDS product DNA packaging tegument protein UL17	85836-85870 8:05:02
CCGTGGCCTTGGCCGTCCGCCACGCCTCCGTCGCC					
85912	85936	84207	86327	CDS product DNA packaging tegument protein UL17	85912-85936 4:01:01
CCTCAGCTCCCGGGCCGGGCTCCC					
86020	86033	84207	86327	CDS product DNA packaging tegument protein UL17	86020-86033 4:01:01 GGGCGGCGAGGTGG
86417	86439	86344	87510	CDS product tegument protein UL16	86417-86439 5:02:01 GCGGCGCGGCGCCTGGCCGAGG
86429	86447	86344	87510	CDS product tegument protein UL16	86429-86447 4:01:01 CCTGGCCGAGGCCCTCACC
86458	86485	86344	87510	CDS product tegument protein UL16	86458-86485 5:02:01 CCGCCCTGCGCCTCGTCCGCGGGGACCC
86516	86557	86344	87510	CDS product tegument protein UL16	86516-86557 10:07:02
CCTCAGCCCCCGCCTGGCGCCGTTCGTACCGCCCCGCCCCC					
86567	86585	86344	87510	CDS product tegument protein UL16	86567-86585 4:01:01 CCACGCCTCCAAGTGTGCC
86781	86810	86344	87510	CDS product tegument protein UL16	86781-86810 6:03:01
CCCGACCCGGCAGCCGAGACCGTCCCCGCC					
86891	86909	86344	87510	CDS product tegument protein UL16	86891-86909 4:01:01 GCGCGCGGGCGTTTGGTGG
86976	86998	86344	87510	CDS product tegument protein UL16	86976-86998 5:02:01 GGGTGGCGGGCGCGGCCCTTGG
87239	87264	86344	87510	CDS product tegument protein UL16	87239-87264 5:02:01 CCGCAGCCCCAAGATCACCCCCGACC
87266	87298	86344	87510	CDS product tegument protein UL16	87266-87298 6:03:01
GGCGGACGTGCTGGTGGCCTGGGCCCCACGG					

87284	87300	86344	87510	CDS product tegument protein UL16	87284-87300 4:01:01 CCTGGGCCCCACGGCC
87324	87351	86344	87510	CDS product tegument protein UL16	87324-87351 6:03:01 GGCTGGAAGCTGGCGGTGCTGGACCCGG
87408	87431	86344	87510	CDS product tegument protein UL16	87408-87431 4:01:01 GGCCCTCGCGGCGAGGAACACCGG
87442	87458	86344	87510	CDS product tegument protein UL16	87442-87458 4:01:01 GGCGGGCCTCGGGCAGG
87461	87483	86344	87510	CDS product tegument protein UL16	87461-87483 4:01:01 CCCGTCCGGGTCCGGACGGTCCC
87468	87498	86344	87510	CDS product tegument protein UL16	87468-87498 7:04:01
GGGTCCGGACGGTCCCGGTGCGGCGAGGCGG					
87593	87638	82877	88735	CDS product DNA packaging terminase subunit 1	87593-87638 9:06:02
GGCGCGGTGTGGTCTTTGGGACTGGGCAGGTTGGCGAGCGGCTGG					
87647	87670	82877	88735	CDS product DNA packaging terminase subunit 1	87647-87670 6:03:01
GGTGAAGGGGGCGGCGAGGGAGG					
87942	87965	82877	88735	CDS product DNA packaging terminase subunit 1	87942-87965 4:01:01
GGCGACGCGGAACCAGGAAAACGG					
88051	88073	82877	88735	CDS product DNA packaging terminase subunit 1	88051-88073 4:01:01
GGCGTGGTCGCCTAGGATGACGG					
88175	88194	82877	88735	CDS product DNA packaging terminase subunit 1	88175-88194 4:01:01
CCCGCGCGCCGGCCGTCCCC					
88370	88393	82877	88735	CDS product DNA packaging terminase subunit 1	88370-88393 4:01:01
CCCCTCAGAGCCTGGGTCACCTCC					
88428	88468	82877	88735	CDS product DNA packaging terminase subunit 1	88428-88468 8:05:02
CCC GCCCTCGCGCCTCGCCGACCGGCCTGCTTCCGGGCC					
88486	88501	82877	88735	CDS product DNA packaging terminase subunit 1	88486-88501 5:02:01 CCGCCTCGCCACCGCC
88541	88558	82877	88735	CDS product DNA packaging terminase subunit 1	88541-88558 5:02:01

CCAACCCCGGCACCACC					
88674	88690	82877	88735	CDS product DNA packaging terminase subunit 1	88674-88690 4:01:01
CCTCCCGCCGAGGTCC					
88772	88800	88766	89689	CDS product tegument protein UL14	88772-88800 5:02:01
GGGGTCCAGGTCAGCGCGGCCAGCGG					
89049	89066	88766	89689	CDS product tegument protein UL14	89049-89066 4:01:01 CCGCCGCTTCCTGCATCC
89115	89131	88766	89689	CDS product tegument protein UL14	89115-89131 4:01:01 GGAGGACCGGCTAACGG
89228	89242	88766	89689	CDS product tegument protein UL14	89228-89242 4:01:01 GGATGTTGGGGGAGG
89301	89320	88766	89689	CDS product tegument protein UL14	89301-89320 4:01:01 GGGCGGACCGCGAGCTGG
89330	89354	88766	89689	CDS product tegument protein UL14	89330-89354 4:01:01 CCGCTGGGGCCAGGAGCCCGGACCC
89411	89452	88766	89689	CDS product tegument protein UL14	89411-89452 7:04:01
GGCCCGACGGCGGCTCGGGTCAGAGGCCCGCCCGCCTCGGG					
89458	89499	88766	89689	CDS product tegument protein UL14	89458-89499 7:04:01
CCTCCTCAGGGCCCATCGGATCCAGACAGTCCATGGCCGCC					
89492	89511	88766	89689	CDS product tegument protein UL14	89492-89511 4:01:01 GGCCGCCCGGTGTCGGGCGG
89521	89541	88766	89689	CDS product tegument protein UL14	89521-89541 4:01:01 GGCTCGTCGGACGACCCGGG
89549	89579	88766	89689	CDS product tegument protein UL14	89549-89579 6:03:01
CCCCGAGTCCGCCCACAGTCCGGGGAGCCC					
89841	89865	89191	90939	CDS product tegument serine/threonine protein kinase	89841-89865 5:02:01
GGCGGCGGGGAGCTACGGCGAGG					
90395	90410	89191	90939	CDS product tegument serine/threonine protein kinase	90395-90410 4:01:01
GGTGGTTGCCACGGG					
90476	90492	89191	90939	CDS product tegument serine/threonine protein kinase	90476-90492 4:01:01

CCCCCTCCGGCACGACC						
90495	90507	89191	90939	CDS product tegument serine/threonine protein kinase	90495-90507	4:01:01
GGGCTGGCGGTGG						
90557	90580	89191	90939	CDS product tegument serine/threonine protein kinase	90557-90580	4:01:01
CCTGTCGCCGTGCTTGCCGGTTCC						
90683	90701	89191	90939	CDS product tegument serine/threonine protein kinase	90683-90701	4:01:01
CCCATCCACGCCGCTCACC						
90800	90819	89191	90939	CDS product tegument serine/threonine protein kinase	90800-90819	4:01:01
CCGCCTGACGCACCGGCGCC						
90840	90856	89191	90939	CDS product tegument serine/threonine protein kinase	90840-90856	4:01:01
CCCACCACCCTCTCTCC						
90978	90994	90924	92609	CDS product deoxyribonuclease	90978-90994	4:01:01 CCTCCTACCCCTACGCC
91010	91043	90924	92609	CDS product deoxyribonuclease	91010-91043	7:04:01
CCCGCCTCCCTCGAGGACCCCCCGCGTTCCCCC						
91103	91123	90924	92609	CDS product deoxyribonuclease	91103-91123	4:01:01 CCCGCGCGCCTGTACCTGCCC
91174	91191	90924	92609	CDS product deoxyribonuclease	91174-91191	4:01:01 CCGGAGCAGCCCCCTGCC
91225	91256	90924	92609	CDS product deoxyribonuclease	91225-91256	6:03:01 CCGCCTGGCCTACATCCACGACCTGGTGGGCC
91249	91292	90924	92609	CDS product deoxyribonuclease	91249-91292	9:06:02
GGTGGGCCGATGGAGCTGGAGGGGCTAGTGGGCCGTGGAACGG						
91296	91319	90924	92609	CDS product deoxyribonuclease	91296-91319	5:02:01 CCGCCCTGGTGGGCCTCTCCGGCC
91303	91324	90924	92609	CDS product deoxyribonuclease	91303-91324	4:01:01 GGTGGGCCTCTCCGGCCGCGGG
91461	91478	90924	92609	CDS product deoxyribonuclease	91461-91478	4:01:01 GGCGCGGGCTGGCTACGG
91491	91507	90924	92609	CDS product deoxyribonuclease	91491-91507	4:01:01 GGTGGGGGCTTGCGGG

91603	91622	90924	92609	CDS product deoxyribonuclease	91603-91622 4:01:01	GGCCAGGTCGCTGGTGTCCG
91669	91687	90924	92609	CDS product deoxyribonuclease	91669-91687 4:01:01	GGACCCGCGGGGTGGCCG
91870	91893	90924	92609	CDS product deoxyribonuclease	91870-91893 4:01:01	CCGGGCAAGTACCTCTTCGACCC
91926	91958	90924	92609	CDS product deoxyribonuclease	91926-91958 6:03:01	
CCAACCTCCAAAAGCACCGCAGCGCCGCGTGCC						
92009	92029	90924	92609	CDS product deoxyribonuclease	92009-92029 4:01:01	CCAGGCCGCGTCCCCGGCGCC
92024	92042	90924	92609	CDS product deoxyribonuclease	92024-92042 4:01:01	GGCGCCGCGGAGGCGCTGG
92205	92237	90924	92609	CDS product deoxyribonuclease	92205-92237 5:02:01	
GGGACACTGGCGAGTTGGCGCTGTCGGTCCCCG						
92361	92377	90924	92609	CDS product deoxyribonuclease	92361-92377 4:01:01	GGCGGTGCGAGGAGGGG
92437	92457	90924	92609	CDS product deoxyribonuclease	92437-92457 4:01:01	CCACCCAGCTGCGCCGTTC
92479	92510	90924	92609	CDS product deoxyribonuclease	92479-92510 5:02:01	GGTTATTGTGGACCGCGAGGGTTGCTGGGAGG
92676	92696	92561	92785	CDS product myristylated tegument protein	92676-92696 5:02:01	
CCTTCCGGCAGACCCCGGCC						
92754	92777	92561	92785	CDS product myristylated tegument protein	92754-92777 5:02:01	
CCCCGACCCAAGCGCCGCGACCC						
93062	93088	92993	94357	CDS product envelope glycoprotein M	93062-93088 5:02:01	CCCCTGACCGGGTACCGGTCTTCCGCC
93115	93136	92993	94357	CDS product envelope glycoprotein M	93115-93136 4:01:01	GGTCTCGTAGGCGTCGGAGAGG
93324	93344	92993	94357	CDS product envelope glycoprotein M	93324-93344 4:01:01	CCACGGCCCCCATGACGGCCC
93651	93675	92993	94357	CDS product envelope glycoprotein M	93651-93675 4:01:01	GGTTGGCGACAACGGCGGCCAGGG
93687	93707	92993	94357	CDS product envelope glycoprotein M	93687-93707 4:01:01	GGTGCATGGCGCTGCTGGTGG
93781	93812	92993	94357	CDS product envelope glycoprotein M	93781-93812 6:03:01	
GGCAAGGGCGAGGAAGTGGGCGATGTAGGCGG						

93871	93896	92993	94357	CDS product envelope glycoprotein M	93871-93896 5:02:01	GGCGGACAGGGTGCCCAGGGTGATGG
93949	93967	92993	94357	CDS product envelope glycoprotein M	93949-93967 4:01:01	GGAGGAGCCGCCGTTTGG
94044	94064	92993	94357	CDS product envelope glycoprotein M	94044-94064 5:02:01	GGAAGGCTGCCGTGGTGGCGG
94086	94123	92993	94357	CDS product envelope glycoprotein M	94086-94123 7:04:01	
CCACTCCGCCAGTTATCCGATGCATCCACACCCCGTCC						
94292	94315	92993	94357	CDS product envelope glycoprotein M	94292-94315 5:02:01	CCCTCTCCAGCCGCGCCCGGCACC
94547	94567	94278	96938	CDS product DNA replication origin-binding helicase	94547-94567 4:01:01	
CCTCGGCCTCGGGATCCCACC						
94980	95003	94278	96938	CDS product DNA replication origin-binding helicase	94980-95003 4:01:01	
CCATGGACGCCACGGCCAACGCCC						
95507	95525	94278	96938	CDS product DNA replication origin-binding helicase	95507-95525 4:01:01	
GGCCCGGACATGGTGTCGG						
95592	95610	94278	96938	CDS product DNA replication origin-binding helicase	95592-95610 4:01:01	
CCGGGGCCAGGCCCGAGCC						
95830	95861	94278	96938	CDS product DNA replication origin-binding helicase	95830-95861 6:03:01	
CCTGCACACCCTCCTCGAGTCCAACCGGTCC						
95965	96004	94278	96938	CDS product DNA replication origin-binding helicase	95965-96004 8:05:02	
CCAGCTCCGGGAGCCCGGCCCGCCGCGCCACCACTACC						
96055	96092	94278	96938	CDS product DNA replication origin-binding helicase	96055-96092 6:03:01	
GGCCGACGTGGCCTGCGAGGACATCAGGGGGCTCTTG						
96093	96116	94278	96938	CDS product DNA replication origin-binding helicase	96093-96116 4:01:01	
CCGAGCTCCACAGCCCCGTCGTCC						
96359	96374	94278	96938	CDS product DNA replication origin-binding helicase	96359-96374 4:01:01	

GGGGGATCGGCCTCGG					
96667	96701	94278	96938	CDS product DNA replication origin-binding helicase	96667-96701 7:04:01
GGAGGAGATAGTGGGGCTTTTGGAGGCGGCAGGGG					
96892	96914	94278	96938	CDS product DNA replication origin-binding helicase	96892-96914 5:02:01
GGCGTGGCCACAGGCCAGGGG					
97046	97067	96983	99238	CDS product helicase-primase subunit	97046-97067 4:01:01 GGACGGACCCGGCCGAGCCGGG
97053	97102	96983	99238	CDS product helicase-primase subunit	97053-97102 10:07:02
CCCGGCCGAGCCGGCGCCCTCCAGGCCCTGGTCCACCTGCTCTGCCGCC					
97195	97215	96983	99238	CDS product helicase-primase subunit	97195-97215 4:01:01 CCCGCCGCGCGGCCGCGGCC
97206	97225	96983	99238	CDS product helicase-primase subunit	97206-97225 4:01:01 GGCCGCGCCGGGCACAGGG
97246	97269	96983	99238	CDS product helicase-primase subunit	97246-97269 5:02:01 CCGCTCGCCGCCCTGGGCCAGGCC
97313	97328	96983	99238	CDS product helicase-primase subunit	97313-97328 4:01:01 GGCGGACCCTGGGCGG
97350	97399	96983	99238	CDS product helicase-primase subunit	97350-97399 8:05:02
GGCGCTTGGGGTAGACCCGGCCACCGGGCTTTGGTGGCGGCCGCGCCG					
97391	97413	96983	99238	CDS product helicase-primase subunit	97391-97413 4:01:01 CCGCGCCGGCGCCCGCGCGGGCC
97409	97440	96983	99238	CDS product helicase-primase subunit	97409-97440 6:03:01
GGGCCGGCGCGGCAGAGGAGCCGGGCCCGCGG					
97429	97446	96983	99238	CDS product helicase-primase subunit	97429-97446 4:01:01 CCGGGCCCGCGCCCGCC
97460	97481	96983	99238	CDS product helicase-primase subunit	97460-97481 4:01:01 CCGCCGAGGTGCCCTGGACCC
97467	97504	96983	99238	CDS product helicase-primase subunit	97467-97504 7:04:01
GGTGCCCTTGACCCGGCGCGGTTAGGGCCACGCGG					
97778	97806	96983	99238	CDS product helicase-primase subunit	97778-97806 6:03:01
CCAGCTCCCAGGCCGCTCCGGCCTGGCC					

97868	97896	96983	99238	CDS product helicase-primase subunit	97868-97896 5:02:01
CCGTGCCCCGTCTTCGCCTACCTCGGCCCC					
97970	97992	96983	99238	CDS product helicase-primase subunit	97970-97992 5:02:01 CCGCCTCGACCACTCCCAGAGCC
98018	98037	96983	99238	CDS product helicase-primase subunit	98018-98037 4:01:01 GGTTTGC GGACGGCCTCTGG
98072	98099	96983	99238	CDS product helicase-primase subunit	98072-98099 4:01:01
CCCCGTGGGGGCCGGGGGACCGCTGGCC					
98078	98108	96983	99238	CDS product helicase-primase subunit	98078-98108 7:04:01
GGGGGCCGGGGGACCGCTGGCCTGGCGAGGG					
98117	98142	96983	99238	CDS product helicase-primase subunit	98117-98142 5:02:01
GGCGGCTGGCTGCGACGGCGTCCCGG					
98160	98178	96983	99238	CDS product helicase-primase subunit	98160-98178 4:01:01 GGACGCGTGCCGGCAGGG
98196	98226	96983	99238	CDS product helicase-primase subunit	98196-98226 5:02:01
GGAGTCGCCGGCGGCGCTGCAGGGGCCCTGG					
98268	98301	96983	99238	CDS product helicase-primase subunit	98268-98301 6:03:01
CCTGGCCCTGTTTCCGAACCACGCGGCCTGGCC					
98336	98353	96983	99238	CDS product helicase-primase subunit	98336-98353 4:01:01 CCGCCCTGAAGCCTGCCC
98382	98406	96983	99238	CDS product helicase-primase subunit	98382-98406 5:02:01
CCTGGACCCCGCGGCCTACCGGGCC					
98413	98459	96983	99238	CDS product helicase-primase subunit	98413-98459 7:04:01
GGCCTGGCCAACGGGATAAGCCGGCGCCTGGAGCGGAGGCAAACGG					
98643	98665	96983	99238	CDS product helicase-primase subunit	98643-98665 4:01:01 CCTGCGCCTGCGCCTCGAGGGCC
98678	98695	96983	99238	CDS product helicase-primase subunit	98678-98695 4:01:01 CCGTCTCCTGGTCCACCC
98717	98744	96983	99238	CDS product helicase-primase subunit	98717-98744 4:01:01

GGGAGACTGGCATTGTGGACTTTGTGGG					
98749	98814	96983	99238	CDS product helicase-primase subunit	98749-98814 13:10:03
CCCGCCAAGAGCCGCGCCGAAAGGCCGCAAGTCCAGCCTGGCGAGCCTCCTTGCCGCCGCTGCC					
98850	98876	96983	99238	CDS product helicase-primase subunit	98850-98876 5:02:01
GGCGGCGGCGCGGAGGCGTGCGAGGG					
98889	98922	96983	99238	CDS product helicase-primase subunit	98889-98922 5:02:01
GGCGTTTGCGGAGCGGGCAACCCGAGTTTGG					
98948	98964	96983	99238	CDS product helicase-primase subunit	98948-98964 5:02:01 CCCCCCTCCCCCGGCC
98974	99002	96983	99238	CDS product helicase-primase subunit	98974-99002 5:02:01
GGAGGGGCCGTGCTGGACCTGGACCGCGG					
99110	99123	96983	99238	CDS product helicase-primase subunit	99110-99123 4:01:01 CCCACCTAACCCCC
99606	99632	99332	100267	CDS product tegument protein UL7	99606-99632 5:02:01 GGCTCTGGTCAAAGGGGCTGTGGCTGG
99825	99838	99332	100267	CDS product tegument protein UL7	99825-99838 4:01:01 GGTTGGTGGGCCGG
99933	99952	99332	100267	CDS product tegument protein UL7	99933-99952 5:02:01 GGAAGGCGGGCAGGTCCAGG
100079	100096	99332	100267	CDS product tegument protein UL7	100079-100096 4:01:01 CCGTCGACCTCCCGGACC
100209	100228	99332	100267	CDS product tegument protein UL7	100209-100228 4:01:01 CCAGGGGATCCAGCCCCTCC
100489	100505	100044	102290	CDS product capsid portal protein	100489-100505 4:01:01 GGTGGCGGGCCCGCAGG
100651	100669	100044	102290	CDS product capsid portal protein	100651-100669 4:01:01 GGTCGGCAGCGTAGGGGGG
100738	100766	100044	102290	CDS product capsid portal protein	100738-100766 6:03:01
CCTCGTGTCCTCAAGCCGTCCGCGGCCGCC					
100795	100843	100044	102290	CDS product capsid portal protein	100795-100843 8:05:02
CCGCCTGCGAAGCCTGGACCAGGCGCTCCCTGGCCGGGCCAGCTCACC					
100978	100995	100044	102290	CDS product capsid portal protein	100978-100995 4:01:01 GGACCGGCTGGGCGCCGG

100992	101026	100044	102290	CDS product capsid portal protein	100992-101026	5:02:01	
				CCGGCAGCCCGTGGGCGCCCGCTCTGTCCGAAGCC			
101041	101057	100044	102290	CDS product capsid portal protein	101041-101057	4:01:01	CCACCTGCGATCCGCCC
101209	101243	100044	102290	CDS product capsid portal protein	101209-101243	8:05:02	
				CCACCGCCTTGGACGCCACCCAGGCCCCCTGTCC			
101621	101644	100044	102290	CDS product capsid portal protein	101621-101644	6:03:01	GGGGGGTGGGCGTCTGGGGGGGG
101661	101680	100044	102290	CDS product capsid portal protein	101661-101680	5:02:01	GGGTGGACGGCGGATCCCGG
101741	101772	100044	102290	CDS product capsid portal protein	101741-101772	5:02:01	
				GGCGAAGCTGGCGGTCCGTCGGGCTCGCTGG			
101860	101876	100044	102290	CDS product capsid portal protein	101860-101876	4:01:01	CCCGCACCGCCTCGGCC
101926	101940	100044	102290	CDS product capsid portal protein	101926-101940	4:01:01	GGCCGGACAGGTGGG
101983	102021	100044	102290	CDS product capsid portal protein	101983-102021	8:05:02	
				GGGTGTTGGTTAGGATGGTCGTCTGGATCTGGCGGATGG			
102022	102036	100044	102290	CDS product capsid portal protein	102022-102036	4:01:01	CCGCCTCCGTGGACC
102133	102146	100044	102290	CDS product capsid portal protein	102133-102146	4:01:01	CCCATCCCCCGTCC
102160	102184	100044	102290	CDS product capsid portal protein	102160-102184	4:01:01	
				CCTGGTCATCCGCGTCCGCGCGGCC			
102209	102234	100044	102290	CDS product capsid portal protein	102209-102234	5:02:01	
				CCGCTTCCGCTCCCGCCCGGCACCC			
102262	102279	100044	102290	CDS product capsid portal protein	102262-102279	4:01:01	GGGGGGGAGGCCGCATGG
102294	102319	102277	104922	CDS product helicase-primase helicase subunit	102294-102319	5:02:01	
				GGCGAGGGGCGCGACGGCCGCGGCGG			
102372	102396	102277	104922	CDS product helicase-primase helicase subunit	102372-102396	4:01:01	

GGCGCGGAGTCTGAGGATTACTCGG						
102458 102476 102277 104922	CDS product helicase-primase helicase subunit	102458-102476	4:01:01			
CCGCATCCGGGCCCTGGCC						
102466 102486 102277 104922	CDS product helicase-primase helicase subunit	102466-102486	4:01:01			
GGGCCCTGGCCGAAAGACGG						
102489 102508 102277 104922	CDS product helicase-primase helicase subunit	102489-102508	5:02:01			
CCCGCCGCCCGCGTGCCGCC						
102666 102684 102277 104922	CDS product helicase-primase helicase subunit	102666-102684	4:01:01			
GGGGCGACGCGGGTGGCGG						
102761 102783 102277 104922	CDS product helicase-primase helicase subunit	102761-102783	4:01:01			
CCGCGGAAACCACGTCCAGGCC						
102814 102827 102277 104922	CDS product helicase-primase helicase subunit	102814-102827	4:01:01			
CCAACCCCTCCC						
102969 102987 102277 104922	CDS product helicase-primase helicase subunit	102969-102987	4:01:01			
GGGTCGCTGGCCGGGCTGG						
103051 103074 102277 104922	CDS product helicase-primase helicase subunit	103051-103074	5:02:01			
CCGGCCTGCTGGGCCGACACTCC						
103451 103466 102277 104922	CDS product helicase-primase helicase subunit	103451-103466	4:01:01			
CCCCGCCAACCTACCC						
103538 103553 102277 104922	CDS product helicase-primase helicase subunit	103538-103553	4:01:01			
GGTATCCGGGGGGGGG						
103748 103770 102277 104922	CDS product helicase-primase helicase subunit	103748-103770	6:03:01			
GGGGGTGGTGGTGGCGGAACGG						

104092	104103	102277	104922	CDS product helicase-primase helicase subunit	104092-104103	4:01:01	GGGAGGAGGGGG
104141	104175	102277	104922	CDS product helicase-primase helicase subunit	104141-104175	6:03:01	
GGCGGCCGGGACGACTGGGGCGAGGACGACGTGG							
104522	104546	102277	104922	CDS product helicase-primase helicase subunit	104522-104546	4:01:01	
GGGTATCGCGGAGCTCCTGGGCGGG							
104966	104985	104945	105661	CDS product nuclear protein UL4	104966-104985	5:02:01	CCGCGGCCTCCCCGTAACC
105277	105293	104945	105661	CDS product nuclear protein UL4	105277-105293	4:01:01	GGCTGGGTGGCCGTGGG
105412	105433	104945	105661	CDS product nuclear protein UL4	105412-105433	4:01:01	GGGTCCAGCGGCGAGGAACCGG
105430	105447	104945	105661	CDS product nuclear protein UL4	105430-105447	4:01:01	CCGGAGCCCGCCTGCCCC
105492	105514	104945	105661	CDS product nuclear protein UL4	105492-105514	5:02:01	CCGTGCCCCGAGACCGAGGCC
105556	105592	104945	105661	CDS product nuclear protein UL4	105556-105592	7:04:01	
GGGTTTGGGGTTCTGCGGACTGGCCCGGGCAGCGG							
105809	105858	105782	106288	CDS product protein V57	105809-105858	9:06:02	
GGCCTATGGTGGGTTCGGGGTTGGGGTTAGAGGCGGGTAGGGCGCGG							
105894	105909	105782	106288	CDS product protein V57	105894-105909	4:01:01	CCTCCTTGCCGCCCC
105975	106006	105782	106288	CDS product protein V57	105975-106006	6:03:01	GGTCGCCGGCTCGGGTTGTGGACTTTCGGTGG
106084	106102	105782	106288	CDS product protein V57	106084-106102	4:01:01	CCTATCGCCCGCGGCTGCC
106135	106155	105782	106288	CDS product protein V57	106135-106155	4:01:01	CCGTGCCGGGCGCCGGGGCC
106167	106183	105782	106288	CDS product protein V57	106167-106183	4:01:01	GGGCGTGCGGCGGCTGG
106631	106656	106335	106964	CDS product nuclear protein UL3	106631-106656	6:03:01	GGAGGAGGTTTTGGTGCAGGCAATGG
106839	106876	106335	106964	CDS product nuclear protein UL3	106839-106876	7:04:01	
GGGGAAGCGCCGGGCGGGCCGGCAAAAGCGGACGGCGG							
106898	106914	106335	106964	CDS product nuclear protein UL3	106898-106914	4:01:01	GGCCGCGGCCTGGGCGG

106921	106939	106335	106964	CDS	product	nuclear protein UL3	106921-106939	5:02:01	CCGCCCACCCCCACTCCCC
107091	107108	107048	107995	CDS	product	uracil-DNA glycosylase	107091-107108	4:01:01	GGTAGGCGTTGGCGTCGG
107145	107165	107048	107995	CDS	product	uracil-DNA glycosylase	107145-107165	4:01:01	GGGGCGACGGGTGGCCGTAGG
107311	107332	107048	107995	CDS	product	uracil-DNA glycosylase	107311-107332	4:01:01	CCCCGGCTGTCCGCGCCGACC
107358	107388	107048	107995	CDS	product	uracil-DNA glycosylase	107358-107388	5:02:01	
CCCCCTGGAGGGCCCACTTTTCCAGGTAGCC									
107382	107401	107048	107995	CDS	product	uracil-DNA glycosylase	107382-107401	4:01:01	GGTAGCCGTGGCGGGGAGG
107448	107463	107048	107995	CDS	product	uracil-DNA glycosylase	107448-107463	4:01:01	GGCTTGGGGGAAGTGG
107487	107511	107048	107995	CDS	product	uracil-DNA glycosylase	107487-107511	5:02:01	
CCAGCCCGTGCGCTGGCCGGGGCC									
107502	107527	107048	107995	CDS	product	uracil-DNA glycosylase	107502-107527	5:02:01	
GGCCGGGGCCGTGGTAGGGTCCTGG									
107589	107611	107048	107995	CDS	product	uracil-DNA glycosylase	107589-107611	5:02:01	CCTTTCCCGGCAGAACCTCTCC
107679	107699	107048	107995	CDS	product	uracil-DNA glycosylase	107679-107699	5:02:01	GGATGGAGCGCCAGGCGGGGG
107718	107736	107048	107995	CDS	product	uracil-DNA glycosylase	107718-107736	5:02:01	CCAGCTCCTCCCAGCCCCC
107876	107985	107048	107995	CDS	product	uracil-DNA glycosylase	107876-107985	22:19:05	
GGCGGGCGCTTGGGGGGCGGGGGCGGCGGGCGGGCGGCTCAGGGCTTTTTTGGGGCGGGCGGGCGTCCG									
108311	108327	107955	108593	CDS	product	envelope glycoprotein L	108311-108327	4:01:01	GGGGGGGGCGCAGTTGG
108430	108444	107955	108593	CDS	product	envelope glycoprotein L	108430-108444	4:01:01	CCGCCCTGGGCCCCC
108479	108494	107955	108593	CDS	product	envelope glycoprotein L	108479-108494	4:01:01	GGAGGCCGGCCAAGGG
108484	108503	107955	108593	CDS	product	envelope glycoprotein L	108484-108503	4:01:01	CCGGCCAAGGGCCCGCACC
108550	108564	107955	108593	CDS	product	envelope glycoprotein L	108550-108564	4:01:01	CCCCAGCTCCCCC
113705	113718	113644	115263	CDS	product	ubiquitin E3 ligase ICP0	113705-113718	4:01:01	GGAAAGGCGGCCGG

113752 113782 113644 115263 CDS product ubiquitin E3 ligase ICPO GGGCGCCGGGCGACCGGTAAGGGTTGGGG	113752-113782 5:02:01
113790 113851 113644 115263 CDS product ubiquitin E3 ligase ICPO CCTCCCGGCACCACGCACCACCCGCCGCTAGCCTGGCCGCCCTCTCCTCGGTCCAGCGCC	113790-113851 12:09:03
113860 113889 113644 115263 CDS product ubiquitin E3 ligase ICPO CCCTTCAACCGGCGCCTGGCGCCCCCGCC	113860-113889 6:03:01
113892 113921 113644 115263 CDS product ubiquitin E3 ligase ICPO GGCGGGGGGCGCGGTCCCGCCGGGCTGAGG	113892-113921 6:03:01
113922 113938 113644 115263 CDS product ubiquitin E3 ligase ICPO	113922-113938 4:01:01 CCGAAAACCCTCCACCC
114019 114054 113644 115263 CDS product ubiquitin E3 ligase ICPO CCGACGCCGTACCTCGGCCCGCTCCGGGGGAACCC	114019-114054 6:03:01
114060 114107 113644 115263 CDS product ubiquitin E3 ligase ICPO GGGGGGGCGAGGGCTGCGGGGCGAGGTTTTGGGCGCGCCGGTGGG	114060-114107 10:07:02
114117 114138 113644 115263 CDS product ubiquitin E3 ligase ICPO GGAAGTGCGGGCAAGGGGCGGG	114117-114138 4:01:01
114167 114189 113644 115263 CDS product ubiquitin E3 ligase ICPO CCGTAAACGCCTGCCCGGGGGCC	114167-114189 4:01:01
114183 114248 113644 115263 CDS product ubiquitin E3 ligase ICPO GGGGGCCGGGGTGGCTCGCGGGCCGGGCTGGGTAGGCGGCCACCCGGGCGGGCAGGCGGCCGG	114183-114248 14:11:03
114414 114431 113644 115263 CDS product ubiquitin E3 ligase ICPO	114414-114431 5:02:01 GGCCCTGGCCGGCGGGGG
114500 114520 113644 115263 CDS product ubiquitin E3 ligase ICPO GGTGGACGAGCGGCGAGTGGG	114500-114520 4:01:01
114650 114668 113644 115263 CDS product ubiquitin E3 ligase ICPO	114650-114668 4:01:01 CCACGCCGCGCGCCCGGCC

114665 114694 113644 115263 CDS product ubiquitin E3 ligase ICP0 GGCCGGGGTGCGGCACAGCGGGGGCCGG	114665-114694 6:03:01
114705 114725 113644 115263 CDS product ubiquitin E3 ligase ICP0 CCGGGCCTCGGCCACCAGCCC	114705-114725 5:02:01
114909 114931 113644 115263 CDS product ubiquitin E3 ligase ICP0 GGGCGCCCCGGCGTTCCGTTGG	114909-114931 4:01:01
114997 115015 113644 115263 CDS product ubiquitin E3 ligase ICP0	114997-115015 4:01:01 GGGGGAGTAGGCGTGAGGG
115043 115071 113644 115263 CDS product ubiquitin E3 ligase ICP0 CCACGGGCCCTCCGTTTACCGCGTTTCC	115043-115071 5:02:01
115166 115196 113644 115263 CDS product ubiquitin E3 ligase ICP0 GGCATACGTGGCAGAAGCGGTGGAGACACGG	115166-115196 5:02:01
115236 115257 113644 115263 CDS product ubiquitin E3 ligase ICP0 GGCACACGGGTTTTCTGCGGG	115236-115257 4:01:01
118353 118377 118285 122433 CDS product transcriptional regulator ICP4 GGGCCCCGCGGGCCCCGCGCCGGGG	118353-118377 4:01:01
118356 118400 118285 122433 CDS product transcriptional regulator ICP4 CCCGCGGGCCCCGCGCGGGGCGCCGCTGCCGCCGCGGGCCC	118356-118400 7:04:01
118437 118458 118285 122433 CDS product transcriptional regulator ICP4 CCCGCCGCGCGCGTCCGTCTCC	118437-118458 5:02:01
118505 118527 118285 122433 CDS product transcriptional regulator ICP4 CCACGGCCCCGGCCGCCAGCACC	118505-118527 5:02:01
118607 118644 118285 122433 CDS product transcriptional regulator ICP4 CCGTGCGGCGGCCTCGAGGTCCGGCTCCAGCAGCGCC	118607-118644 6:03:01

118612	118631	118285	122433	CDS product transcriptional regulator ICP4	118612-118631	4:01:01
GGGCCGGCCTCGAGGTCCGG						
118668	118696	118285	122433	CDS product transcriptional regulator ICP4	118668-118696	6:03:01
GGGCGGCAGCAGGTCCGCGGGCGGCGG						
118703	118728	118285	122433	CDS product transcriptional regulator ICP4	118703-118728	4:01:01
CCAGCGCGCCGCGGCGCCGCGGCC						
118715	118748	118285	122433	CDS product transcriptional regulator ICP4	118715-118748	7:04:01
GGCGGCCGCGGCCAGGTAGAGCGGACGCAGCGG						
118766	118782	118285	122433	CDS product transcriptional regulator ICP4	118766-118782	4:01:01
GGTTGGCCGCGGGTGG						
118821	118840	118285	122433	CDS product transcriptional regulator ICP4	118821-118840	4:01:01
GGCCAGGCCCCGGCTCTGGG						
118883	118907	118285	122433	CDS product transcriptional regulator ICP4	118883-118907	5:02:01
GGCGGTAGTCCCGGGCGGCATGGG						
118937	118959	118285	122433	CDS product transcriptional regulator ICP4	118937-118959	4:01:01
CCACCACGTAGGCCACGTTGCCC						
119157	119174	118285	122433	CDS product transcriptional regulator ICP4	119157-119174	4:01:01
GGCCGGGCCGTCGGCGGG						
119211	119229	118285	122433	CDS product transcriptional regulator ICP4	119211-119229	4:01:01
CCGGCGCCGGGCGGAGCCC						
119249	119276	118285	122433	CDS product transcriptional regulator ICP4	119249-119276	4:01:01
CCACGCAGCCCGCAAGGCCAGGTCCCC						
119265	119281	118285	122433	CDS product transcriptional regulator ICP4	119265-119281	4:01:01

GGCCAGGTCCCCGGTGG						
119329	119347	118285	122433	CDS product transcriptional regulator ICP4	119329-119347	4:01:01
CCGGTCCAGTTGCCGCCCC						
119434	119459	118285	122433	CDS product transcriptional regulator ICP4	119434-119459	6:03:01
CCGCCCTCGCGCCCCCGCGCCGCC						
119470	119489	118285	122433	CDS product transcriptional regulator ICP4	119470-119489	4:01:01
CCGCCCAGCAGGTCCTCGCC						
119490	119508	118285	122433	CDS product transcriptional regulator ICP4	119490-119508	5:02:01
GGGCAGGGGTGGTAGAGG						
119553	119584	118285	122433	CDS product transcriptional regulator ICP4	119553-119584	7:04:01
GGCGGCGCGGCGCGCAGCGGGCCGCTGGGGG						
119605	119632	118285	122433	CDS product transcriptional regulator ICP4	119605-119632	4:01:01
CCCTCGCGGGCCGGGGCCCCGTGCGCC						
119633	119678	118285	122433	CDS product transcriptional regulator ICP4	119633-119678	8:05:02
GGGCGGCACGGTCGCCAGGGCGCGGGTCAAGGTAGCGCGGG						
119679	119691	118285	122433	CDS product transcriptional regulator ICP4	119679-119691	4:01:01 CCGCCATGCCTCC
119718	119778	118285	122433	CDS product transcriptional regulator ICP4	119718-119778	10:07:02
GGCCACGGTCTCGGGGAGCAGTAGGCCGCGCGGGCGCCTCGCCGGGCGCGGCGTGTGG						
119813	119905	118285	122433	CDS product transcriptional regulator ICP4	119813-119905	18:15:04
GGGGGTGCGGGCCGCCGCGGGCATGGGGCCAGGGCGCGAGGCGGGGGGCGCGGGCCGGCGCTTGGGTGCCGGCGGGTGGCGCCCCGG						
119937	119958	118285	122433	CDS product transcriptional regulator ICP4	119937-119958	5:02:01
GGGGCGCGGCGGCTCGGAGCGG						
119964	119983	118285	122433	CDS product transcriptional regulator ICP4	119964-119983	4:01:01

CCCCCGCTGCCTGGGGCGCC						
119988 120046 118285 122433 CDS product transcriptional regulator ICP4	119988-120046	10:07:02				
GGGAAGGCGTCCCAGGCAGCGGGGGACGCGCCTCCGAGGCCTCGGGAGGCCCCGGG						
120055 120084 118285 122433 CDS product transcriptional regulator ICP4	120055-120084	8:05:02				
GGGGAGGCGCAGGGGGCGGCGGGGCGCGGG						
120094 120177 118285 122433 CDS product transcriptional regulator ICP4	120094-120177	17:14:04				
GGGGACGGGGCCCGGTGCGCGCCGGGCTCGGAGGGCCCGCGGCTGGGGCTGCGGCGGGTGGGCCACAGGGGCGGCAGGTGG						
120208 120244 118285 122433 CDS product transcriptional regulator ICP4	120208-120244	6:03:01				
GGCCGGGGCGCGCCGGGAGCGCGCGACGGCCTCGG						
120239 120261 118285 122433 CDS product transcriptional regulator ICP4	120239-120261	5:02:01				
CCTCGGCCATCTGCCGGGCCGCC						
120293 120313 118285 122433 CDS product transcriptional regulator ICP4	120293-120313	4:01:01				
GGGTCCAGGCCGAGGCGCGGG						
120328 120355 118285 122433 CDS product transcriptional regulator ICP4	120328-120355	4:01:01				
GGGTTGTACCGGACGAGCGGGGCGACGG						
120418 120442 118285 122433 CDS product transcriptional regulator ICP4	120418-120442	4:01:01				
CCGGGGTCCTGCGGGCCAGGAGCC						
120477 120507 118285 122433 CDS product transcriptional regulator ICP4	120477-120507	7:04:01				
GGCCGCGGCGGCGGCCCGAGGCCGCGGGG						
120491 120512 118285 122433 CDS product transcriptional regulator ICP4	120491-120512	4:01:01				
CCCGGAGGCCGCGGGGTTGCC						
120518 120546 118285 122433 CDS product transcriptional regulator ICP4	120518-120546	6:03:01				
GGGCCTCCGGGGGCGAGCGGGCGTCGGG						

120555	120580	118285	122433	CDS product transcriptional regulator ICP4	120555-120580	6:03:01	
GGGCTGGAGGCCGGGACGGCCGCGG							
120575	120595	118285	122433	CDS product transcriptional regulator ICP4	120575-120595	4:01:01	
CCGCGGCGCCTCCGCGGAGCC							
120615	120637	118285	122433	CDS product transcriptional regulator ICP4	120615-120637	5:02:01	
GGCGTGGCAGGCGAGGACGCAGG							
120641	120668	118285	122433	CDS product transcriptional regulator ICP4	120641-120668	6:03:01	
CCCCAGCTCCTTGACCCGGGCGCCCC							
120678	120715	118285	122433	CDS product transcriptional regulator ICP4	120678-120715	6:03:01	
CCGCGCCGCCCGGGCTCCCCGGGCTCCCCGGGCGCCC							
120690	120717	118285	122433	CDS product transcriptional regulator ICP4	120690-120717	4:01:01	
GGGCTCCCCGGGCTCCCCGGGCGCCCGG							
120764	120820	118285	122433	CDS product transcriptional regulator ICP4	120764-120820	11:08:02	
GGGCCCCGGGCCTGCGGCGGGGAGCGCGGCCCGGCCGTCGGGGAGGAGGAGGAGG							
120830	120886	118285	122433	CDS product transcriptional regulator ICP4	120830-120886	13:10:03	
GGGGCGAGGGGGCGGCGGGTCCGGGGCCCGGCGGCGAGCCGGGCTCGGCGGCGGGGG							
120900	120913	118285	122433	CDS product transcriptional regulator ICP4	120900-120913	4:01:01	GGGCCGGGGAAGG
120927	120948	118285	122433	CDS product transcriptional regulator ICP4	120927-120948	4:01:01	
GGCCCCGGCGCAGGCTCTGCAGG							
120968	120997	118285	122433	CDS product transcriptional regulator ICP4	120968-120997	5:02:01	
GGTCGTATCGGCGGCTCATGGCCACCGAGG							
120989	121002	118285	122433	CDS product transcriptional regulator ICP4	120989-121002	4:01:01	CCACCGAGGCCGCC
121234	121251	118285	122433	CDS product transcriptional regulator ICP4	121234-121251	4:01:01	

CCCGAGTCCCCATCTCC		
121263 121282 118285 122433 CDS product transcriptional regulator ICP4	121263-121282	4:01:01
GGGCACGGGCCCCGCGCGG		
121322 121355 118285 122433 CDS product transcriptional regulator ICP4	121322-121355	6:03:01
CCCAGAGCCCCTCCCGCGAGTCCCCGGTGCCCC		
121367 121412 118285 122433 CDS product transcriptional regulator ICP4	121367-121412	9:06:02
GGCCCTTGGGCGGCGGGTCGGAGCCCGCCAGGGGTCCCCGGCCGG		
121390 121410 118285 122433 CDS product transcriptional regulator ICP4	121390-121410	4:01:01
CCCGGCCAGGGGTCCCCGGCC		
121421 121492 118285 122433 CDS product transcriptional regulator ICP4	121421-121492	12:09:03
GGGGCTCCGCGGGGCGGCCGCGGGCTCCCGGGCGGCGTCGGGGCCCGGGCCGAGGGCGGCGCGCGCCGG		
121427 121450 118285 122433 CDS product transcriptional regulator ICP4	121427-121450	4:01:01
CCGCGGGGCCGCGCGGGCTCCC		
121516 121553 118285 122433 CDS product transcriptional regulator ICP4	121516-121553	8:05:02
GGCTGCTGGGGCAGGGGCGGCGAGGAGGGGTGCGGCGG		
121568 121638 118285 122433 CDS product transcriptional regulator ICP4	121568-121638	13:10:03
GGGGCGAGGACGATCGGCGGGCGGGACGGGGTTCGCGGGGCGGCCTGGAGGAACGCGGGCACCGGCCGG		
121653 121723 118285 122433 CDS product transcriptional regulator ICP4	121653-121723	14:11:03
GGAGGCCCCCGAGGGCGGCGGGCGGGCCCCGAGGGCGGCGGGCGGGCCCCGCGGGAGGGCGAAGGGG		
121796 121817 118285 122433 CDS product transcriptional regulator ICP4	121796-121817	4:01:01
GGTCTCCGGGCGGGAGAGCCGG		
121827 121846 118285 122433 CDS product transcriptional regulator ICP4	121827-121846	6:03:01
GGGCGGCGGGGACGGCGGG		

121857	121879	118285	122433	CDS product transcriptional regulator ICP4	121857-121879	5:02:01	
GGACGGGGCGGGCGGCGTCGG							
121893	122014	118285	122433	CDS product transcriptional regulator ICP4	121893-122014	24:21:06	
GGCGGAGTCCGAGCGGAGGAGCCAGAGGAGGAGGACGCGGACGAGGACGAGGAGCAGGAGGCGCTCCGGGCGCGGGGGGCTCGACGGCGGGAGGCGGACGCGGGAGCGGAGGGGTGG							
122050	122091	118285	122433	CDS product transcriptional regulator ICP4	122050-122091	7:04:01	
CCGTCCCCTTCGACCTCCGTGGTCTCCATCTCGGCCCGGACC							
122113	122136	118285	122433	CDS product transcriptional regulator ICP4	122113-122136	5:02:01	
CCCGCCGGCTCCCCGCCGGGGGCC							
122130	122192	118285	122433	CDS product transcriptional regulator ICP4	122130-122192	13:10:03	
GGGGCCGGCGAGGGACCGTCGGCGGGGCGGCGGCTTGGTGGGCGGCGGCCTGCTTGGG							
122201	122254	118285	122433	CDS product transcriptional regulator ICP4	122201-122254	13:10:03	
GGGGCTCCGGCGGCGGCGGAGCCGGGAGGCGGGGATGGCGGGGATGGCGGGG							
122276	122300	118285	122433	CDS product transcriptional regulator ICP4	122276-122300	4:01:01	
CCACCCGAAGAGCCCTGGCTCCC							
122306	122326	118285	122433	CDS product transcriptional regulator ICP4	122306-122326	4:01:01	
GGAGGTCGGGGTGCTGCTGGG							
122337	122361	118285	122433	CDS product transcriptional regulator ICP4	122337-122361	6:03:01	
GGCGGCACCGGCGGCCCGATGAGG							
126116	126133	126077	127144	CDS product regulatory protein ICP22	126116-126133	5:02:01	CCTGCCGCCTGCGCCCCC
126142	126247	126077	127144	CDS product regulatory protein ICP22	126142-126247	23:20:05	
CCCCCAGCCCCCTCATCCCGCTCTGTCCGCTCGCCCCCGCTCCGGCGCCACCGCCCCCTCCTGGCGCGCCTCCCTCTCCCCACGCCCGGCTCCGCCCCC							
126277	126304	126077	127144	CDS product regulatory protein ICP22	126277-126304	5:02:01	
GGGGGGCGGACCACCGGAGTACGGG							

126307 126351 126077 127144 CDS product regulatory protein ICP22
 CCCGTCTCGCCCCGCGCCTCGCCCCGCGCCTCGCCGGCGGGCCC

126390 126421 126077 127144 CDS product regulatory protein ICP22
 CCGCCTCGCCGCGCGCCTGAACCGCCTCTTCC

126630 126649 126077 127144 CDS product regulatory protein ICP22

126703 126741 126077 127144 CDS product regulatory protein ICP22
 CCCTCCCCGTCTCCGCTCGTCGTCTCCGCCCCCTCC

126772 126784 126077 127144 CDS product regulatory protein ICP22

126825 126842 126077 127144 CDS product regulatory protein ICP22

126860 126876 126077 127144 CDS product regulatory protein ICP22

126897 126931 126077 127144 CDS product regulatory protein ICP22
 CCCGCCCTCCTCCCCGAGACGCCGCCGTGCTCC

126964 126997 126077 127144 CDS product regulatory protein ICP22
 CCCCCCTCCTCCCCGAGACGCCGCCGTGCTCC

127007 127021 126077 127144 CDS product regulatory protein ICP22

127030 127074 126077 127144 CDS product regulatory protein ICP22
 CCCCCCTTCTCCCCGTTGCCCTCCTCCTCCCCGAGACGCCGCC

127097 127115 126077 127144 CDS product regulatory protein ICP22

127103 127125 126077 127144 CDS product regulatory protein ICP22
 CCCGCGGCCGCGGCCGTCCCGCC

127339 127359 127330 127995 CDS product virion protein US10

127462 127494 127330 127995 CDS product virion protein US10
 CCGCCTCCGCCGAGGCCGCCGAGGCCCTGCGCC

126307-126351 7:04:01

126390-126421 7:04:01

126630-126649 4:01:01 CCTCGACCCCCCGAGCCCC

126703-126741 10:07:02

126772-126784 4:01:01 GGCGAGGAGGAGG

126825-126842 5:02:01 GGACGGGGGCTTTGGCGG

126860-126876 4:01:01 CCACCGGCCGCTGGACC

126897-126931 8:05:02

126964-126997 8:05:02

127007-127021 4:01:01 CCCGCCGCGCCGCC

127030-127074 10:07:02

127097-127115 4:01:01 GGAAGCCCCGCGCCGCGG

127103-127125 5:02:01

127339-127359 4:01:01 CCTCGGTCTCCCCATGGCCC

127462-127494 8:05:02

127503	127525	127330	127995	CDS product virion protein US10
127567	127616	127330	127995	CDS product virion protein US10
CCGCCGGGCCCTCGCCCGTCTTCCACTCGGCCGACCCGCTGCGCCGCGCC				
127645	127667	127330	127995	CDS product virion protein US10
127775	127794	127330	127995	CDS product virion protein US10
127838	127854	127330	127995	CDS product virion protein US10
127869	127905	127330	127995	CDS product virion protein US10
CCGCGCCACGCGGCCCGCCCGCTACCTGCGCGCCC				
127906	127917	127330	127995	CDS product virion protein US10
127920	127936	127330	127995	CDS product virion protein US10
127948	127968	127330	127995	CDS product virion protein US10
127964	127988	127330	127995	CDS product virion protein US10
128370	128391	128351	128707	CDS product membrane protein US9
128409	128434	128351	128707	CDS product membrane protein US9
CCACGACCAGCGCCACGCCGGCGACC				
128439	128455	128351	128707	CDS product membrane protein US9
128555	128568	128351	128707	CDS product membrane protein US9
128591	128629	128351	128707	CDS product membrane protein US9
CCCCCGGGGGCGCCGCCACGGTCGCCTCCAGGCCACAC				
128836	128879	128805	129599	CDS product virion protein V67
GGTTGGCGGGCGTGGGCGGCGGGTTTGGCCAAACGGGCACGGG				
128974	128995	128805	129599	CDS product virion protein V67
129228	129240	128805	129599	CDS product virion protein V67

127503-127525	5:02:01	CCCCGCCCCAGGGCCTGTGGCC
127567-127616	9:06:02	
127645-127667	5:02:01	CCGCGCGCCCCGCCGCGCACGCC
127775-127794	4:01:01	GGCCCGGCTCGGCATCGGGG
127838-127854	4:01:01	GGAGCTGGCCGGGGCGG
127869-127905	8:05:02	
127906-127917	4:01:01	GGGGCGGGCGG
127920-127936	5:02:01	CCGCTCCCGCCGCCCC
127948-127968	4:01:01	GGCCCCGCGCGGGGACCCGG
127964-127988	5:02:01	CCCGCCGCGCTCCGGGAGACCCC
128370-128391	4:01:01	CCAGGAACGCCCGGCCACGCC
128409-128434	5:02:01	
128439-128455	4:01:01	GGGCGCACTGGCGGCGG
128555-128568	4:01:01	CCGCCCGCCCCGCC
128591-128629	8:05:02	
128836-128879	9:06:02	
128974-128995	5:02:01	GGGGAGCGGCAGGGGCCTGGG
129228-129240	4:01:01	GGGGCAGGAAGG

129258	129285	128805	129599	CDS product virion protein V67
129452	129485	128805	129599	CDS product virion protein V67
CCTTCGCGCCCGCCGCGCCGGCCTCCGCGGCC				
129467	129487	128805	129599	CDS product virion protein V67
129500	129537	128805	129599	CDS product virion protein V67
GGCGGGCTCTCTGGAGTCAGCGCGTCTTGGCGCTGGG				
129563	129573	128805	129599	CDS product virion protein V67
129764	129792	129705	130700	CDS product virion protein US2
CCGCGCCCCGACGCCCCCTTCACTCCCCC				
129838	129863	129705	130700	CDS product virion protein US2
129890	129918	129705	130700	CDS product virion protein US2
GGAGCGCGGGGTGGGCGCGGAGCCCGGGG				
129956	129997	129705	130700	CDS product virion protein US2
GGGGGTGGCTGGCGTGGCGCGCCCGGGGACGTGGCGGAGGGG				
130087	130113	129705	130700	CDS product virion protein US2
130129	130140	129705	130700	CDS product virion protein US2
130179	130196	129705	130700	CDS product virion protein US2
130186	130207	129705	130700	CDS product virion protein US2
130230	130244	129705	130700	CDS product virion protein US2
130271	130286	129705	130700	CDS product virion protein US2
130330	130343	129705	130700	CDS product virion protein US2
130485	130506	129705	130700	CDS product virion protein US2
130595	130631	129705	130700	CDS product virion protein US2

129258-129285	6:03:01	CCCTCCACCTTCACCTCGCCGTACAGCC
129452-129485	7:04:01	
129467-129487	4:01:01	GGCGCCGGCCTCCGCGGCCGG
129500-129537	6:03:01	
129563-129573	4:01:01	GGCGGCGGAGG
129764-129792	6:03:01	
129838-129863	4:01:01	CCGGGGGGGCCCCGGGCGCCGCAGCC
129890-129918	6:03:01	
129956-129997	9:06:02	
130087-130113	5:02:01	CCACCGCGTAGACCATGCGGCCACCC
130129-130140	4:01:01	GGTCGGCGGGGG
130179-130196	4:01:01	GGCACGGCCGAAACCGG
130186-130207	4:01:01	CCGGAACCGGCGACCGCATCC
130230-130244	4:01:01	CCGGGCCACTCCTCC
130271-130286	4:01:01	GGCCCCGGGAGGAGG
130330-130343	4:01:01	GGTGGTAGGGCGG
130485-130506	4:01:01	GGCCTGCAGGGCTTCGGTAGGG
130595-130631	6:03:01	

CCGCGCCAAAACTCCCACAGGTGCCCGTCCACGTCC			
130940 130957 130842 132023 CDS product serine/threonine protein kinase US3	130940-130957	4:01:01	
CCCgATGCCCCCCCAGCC			
130959 130982 130842 132023 CDS product serine/threonine protein kinase US3	130959-130982	6:03:01	
GGGGTGGGCCCGGTCGGGGGGCGG			
131092 131116 130842 132023 CDS product serine/threonine protein kinase US3	131092-131116	5:02:01	
CCTCGTCCCCTCCAGGTCCAAGGCC			
131200 131219 130842 132023 CDS product serine/threonine protein kinase US3	131200-131219	5:02:01	
GGAGGGGGAGGACGAGACGG			
131348 131366 130842 132023 CDS product serine/threonine protein kinase US3	131348-131366	4:01:01	
CCCCACTACCGGTCCGACC			
131397 131417 130842 132023 CDS product serine/threonine protein kinase US3	131397-131417	4:01:01	
CCATCCCGCTCGACCGGGCCC			
131547 131575 130842 132023 CDS product serine/threonine protein kinase US3	131547-131575	5:02:01	
CCGCCAGGTACCCCGTCGACGCCCGGCC			
131572 131600 130842 132023 CDS product serine/threonine protein kinase US3	131572-131600	5:02:01	
GGCCGAGCTGGGAATAGCCGGGACGGTGG			
131850 131870 130842 132023 CDS product serine/threonine protein kinase US3	131850-131870	4:01:01	
CCACCCGAGAGCGCCGGCCCC			
131968 131984 130842 132023 CDS product serine/threonine protein kinase US3	131968-131984	4:01:01	
GGCGGCGGAGCTGCTGG			
132258 132288 132158 133504 CDS product envelope glycoprotein G	132258-132288	5:02:01	
CCCTGAGCCATGGCCCCTGCTCCCGGGCCCC			

132716	132736	132158	133504	CDS product envelope glycoprotein G
132960	132982	132158	133504	CDS product envelope glycoprotein G
133148	133164	132158	133504	CDS product envelope glycoprotein G
133207	133229	132158	133504	CDS product envelope glycoprotein G
133758	133781	133704	135005	CDS product envelope glycoprotein J
133822	133836	133704	135005	CDS product envelope glycoprotein J
133913	133927	133704	135005	CDS product envelope glycoprotein J
133973	134008	133704	135005	CDS product envelope glycoprotein J
CCCGCCTTCACCGCCCTCGCAACCCGGAACCGGCC				
134055	134083	133704	135005	CDS product envelope glycoprotein J
CCGCCGAGGAAACCCCAACGCATCCGCCC				
134124	134155	133704	135005	CDS product envelope glycoprotein J
CCACCACGCCCTTCGCCGAGCCGGCTCCACC				
134165	134212	133704	135005	CDS product envelope glycoprotein J
CCCGCCCTCTCTACCACCAAGCGGCCCGGTGCCGCCCGGCAGCGCCC				
134237	134262	133704	135005	CDS product envelope glycoprotein J
CCCGCTCCGATCACGCCCCCGGCC				
134393	134413	133704	135005	CDS product envelope glycoprotein J
134427	134459	133704	135005	CDS product envelope glycoprotein J
GGGGCGTTATGGTGGACGTGGTGGTTGGAACGG				
134622	134638	133704	135005	CDS product envelope glycoprotein J
134667	134699	133704	135005	CDS product envelope glycoprotein J
GGCCCGTGGTCAGGTGGACAGTGGCGGCGCGGG				

132716-132736	4:01:01	CCCGCGACCACCTGCGAGACC
132960-132982	4:01:01	CCTTGCCAGGGGCCCTCAATCCC
133148-133164	4:01:01	CCCCCGCTTCTCCCACC
133207-133229	5:02:01	CCAACCCAGCGCCACCGGCCCC
133758-133781	5:02:01	GGTACGGCCTTCCCGGCGCGGAGG
133822-133836	4:01:01	GGACGGAGGGGAGGG
133913-133927	4:01:01	CCGCCACCCCTGTCC
133973-134008	7:04:01	
134055-134083	5:02:01	
134124-134155	7:04:01	
134165-134212	8:05:02	
134237-134262	5:02:01	
134393-134413	4:01:01	GGCATGGGAACCCGGCGCAGG
134427-134459	7:04:01	
134622-134638	4:01:01	CCTCCGGGGACCGCGCC
134667-134699	7:04:01	

134741	134757	133704	135005	CDS product envelope glycoprotein J	134741-134757	4:01:01	GGCCCGGGGAGTGCGG
134782	134825	133704	135005	CDS product envelope glycoprotein J	134782-134825	7:04:01	
CCCCGCTATGCCCCGCGCCGACCCGACGGCCTCTGCGTCCTACC							
134839	134860	133704	135005	CDS product envelope glycoprotein J	134839-134860	5:02:01	CCCCCGGGCGGCCAGACCACC
135129	135187	135101	136321	CDS product envelope glycoprotein D	135129-135187	10:07:02	
CCTCGGCCTCCTGCTGGCCCTGCTGGCCCGCCGTCGCCGGGGCCACTGGCCCCGGCC							
135244	135268	135101	136321	CDS product envelope glycoprotein D	135244-135268	5:02:01	
CCGCTGCCAAAGTTCCACCTCCCC							
135594	135616	135101	136321	CDS product envelope glycoprotein D	135594-135616	4:01:01	GGACTACGTGGTGGACACGTCCG
135643	135660	135101	136321	CDS product envelope glycoprotein D	135643-135660	5:02:01	CCGCCGCCGGGCGCCGCC
135849	135867	135101	136321	CDS product envelope glycoprotein D	135849-135867	4:01:01	CCAGCCGACCACATCGCC
135938	135954	135101	136321	CDS product envelope glycoprotein D	135938-135954	4:01:01	CCAAACCCGCGCCCCC
136008	136034	135101	136321	CDS product envelope glycoprotein D	136008-136034	6:03:01	
CCGTCCACAATCCGGACCTCCGCATCC							
136044	136062	135101	136321	CDS product envelope glycoprotein D	136044-136062	4:01:01	CCCGCCACCAGACGCACCC
136125	136151	135101	136321	CDS product envelope glycoprotein D	136125-136151	5:02:01	
GGGCGGAAAGTCCGGGGAAGACCGGG							
136188	136206	135101	136321	CDS product envelope glycoprotein D	136188-136206	4:01:01	CCTAGCCCTGGCCGGTGCC
136260	136276	135101	136321	CDS product envelope glycoprotein D	136260-136276	4:01:01	GGTGGGAGGCATTGGGG
136469	136489	136427	137770	CDS product envelope glycoprotein I	136469-136489	4:01:01	CCCTCGGCGCCGCGCGCCC
136760	136781	136427	137770	CDS product envelope glycoprotein I	136760-136781	4:01:01	CCAGGACCACCACGGCGACCC
136945	136964	136427	137770	CDS product envelope glycoprotein I	136945-136964	4:01:01	GGGGAGGGAGAAGGCAACGG
136975	137028	136427	137770	CDS product envelope glycoprotein I	136975-137028	10:07:02	

CCAACGCCCCGCCCCCGAGCGACCCCCGTCTGCTCCCGCCACACCGACGCCC						
137038	137061	136427	137770	CDS product envelope glycoprotein I	137038-137061	5:02:01 CCAACCGCGGCCGCAACCGAAGCC
137072	137105	136427	137770	CDS product envelope glycoprotein I	137072-137105	7:04:01
CCGCGGCGACCTTTATCGCCACCCCCGCCCCACC						
137151	137165	136427	137770	CDS product envelope glycoprotein I	137151-137165	4:01:01 GGTGCAGGTCGGCGG
137268	137289	136427	137770	CDS product envelope glycoprotein I	137268-137289	5:02:01 GGAGGAAGACGGCGCCGGTGGG
137315	137366	136427	137770	CDS product envelope glycoprotein I	137315-137366	11:08:02
CCACCGGCGGAGCGGCCACGACCAACAACCGCCCCACCAACCACCCCC						
137514	137538	136427	137770	CDS product envelope glycoprotein I	137514-137538	5:02:01
CCGCCGCATTTACGCCCCGGCTCC						
137533	137569	136427	137770	CDS product envelope glycoprotein I	137533-137569	7:04:01
GGCTCCGGGCTCGGGCCTGGTACGGCCGCGGAGCTGG						
137570	137592	136427	137770	CDS product envelope glycoprotein I	137570-137592	4:01:01 CCACGCTCGCCGCTCGCCCGCC
137603	137634	136427	137770	CDS product envelope glycoprotein I	137603-137634	6:03:01
CCTCGGAGTCCCTCGCATCCGAGCGCGCCGCC						
137645	137661	136427	137770	CDS product envelope glycoprotein I	137645-137661	4:01:01 CCGCGTCCGCGCCCCC
137690	137717	136427	137770	CDS product envelope glycoprotein I	137690-137717	5:02:01
CCTCGAAGCCCGGGCAGCCCCCGATCC						
138089	138110	138046	139713	CDS product envelope glycoprotein E	138089-138110	4:01:01 CCTGGCGCCAGCCTTTGGGACC
138162	138215	138046	139713	CDS product envelope glycoprotein E	138162-138215	8:05:02
GGGGGCACGCTCGGCGTTCCGGACAACGGGACCTCGGGGTGCTCAAGGCCTGG						
138211	138232	138046	139713	CDS product envelope glycoprotein E	138211-138232	4:01:01 CCTGGACCTTCCTGGAAACCCC
138341	138374	138046	139713	CDS product envelope glycoprotein E	138341-138374	7:04:01

CCCCCTGGCCCTGGCCGAGTTCACCGCCGCAGCC						
138426	138453	138046	139713	CDS product envelope glycoprotein E	138426-138453	4:01:01
CCCATTTTGACCGAAACCCGAAGCGGCC						
138472	138485	138046	139713	CDS product envelope glycoprotein E	138472-138485	4:01:01 CCACCAACCTCACC
138567	138616	138046	139713	CDS product envelope glycoprotein E	138567-138616	10:07:02
CCCAAGCCGTCCGCGGCACCCGCGCCACGCCGACCACGACCGCCGCGCC						
138940	138962	138046	139713	CDS product envelope glycoprotein E	138940-138962	5:02:01 CCATCCAGTGCCACAGCACCCCC
139067	139091	138046	139713	CDS product envelope glycoprotein E	139067-139091	5:02:01
GGTCAACGGACACCCGGAGGCGTGG						
139138	139160	138046	139713	CDS product envelope glycoprotein E	139138-139160	5:02:01 CCGACACCACCCGCCACGGCCC
139209	139232	138046	139713	CDS product envelope glycoprotein E	139209-139232	5:02:01 CCCGCCGAGGTTCCGCCAGTCCC
139233	139250	138046	139713	CDS product envelope glycoprotein E	139233-139250	4:01:01 GGACGCGGCTGGGCTCGG
139505	139553	138046	139713	CDS product envelope glycoprotein E	139505-139553	10:07:02
CCCGGGACTGCCCGCGCGCCGACTCTCTCCGCTCCCCGCCCCCCC						
139585	139604	138046	139713	CDS product envelope glycoprotein E	139585-139604	4:01:01 GGTCCGGATAACAAGGTCTGG
139616	139633	138046	139713	CDS product envelope glycoprotein E	139616-139633	4:01:01 CCCCAGCCCTCGCCCCC
139647	139661	138046	139713	CDS product envelope glycoprotein E	139647-139661	4:01:01 CCGCCCCGCCAAGCC
139833	139864	139710	140135	CDS product putative membrane protein US8A	139833-139864	6:03:01
CCATCAGCCGCTACCGCCGCGGTCCGAGTCC						
139937	139950	139710	140135	CDS product putative membrane protein US8A	139937-139950	4:01:01 CCCGACCGCCAACC
139967	139986	139710	140135	CDS product putative membrane protein US8A	139967-139986	4:01:01
CCCAACTCTCCGCGCGCGCC						
139997	140020	139710	140135	CDS product putative membrane protein US8A	139997-140020	4:01:01

CCAAAGCCCCGCCGAGAAACCC
 140451 140489 140351 140731 CDS product membrane protein US9
 GGTGGGCCTGGAGGCGACCGTGGCGGCGCCCCGGGGG
 140512 140525 140351 140731 CDS product membrane protein US9
 140625 140641 140351 140731 CDS product membrane protein US9
 140646 140671 140351 140731 CDS product membrane protein US9
 GGTCGCCGCGTGGCGCTGGTCGTGG
 140689 140710 140351 140731 CDS product membrane protein US9
 141092 141116 141087 141752 CDS product virion protein US10
 141112 141132 141087 141752 CDS product virion protein US10
 141144 141160 141087 141752 CDS product virion protein US10
 141163 141174 141087 141752 CDS product virion protein US10
 141175 141211 141087 141752 CDS product virion protein US10
 GGGCGCGCAGGTAGGCGGCGGCGCCGCGTGGCGCGG
 141226 141242 141087 141752 CDS product virion protein US10
 141286 141305 141087 141752 CDS product virion protein US10
 141413 141435 141087 141752 CDS product virion protein US10
 141464 141513 141087 141752 CDS product virion protein US10
 GGCGCGGCGCAGCGGGTCGGCCGAGTGGAAGACGGGCGAGGGCCCGGCGG
 141555 141577 141087 141752 CDS product virion protein US10
 141586 141618 141087 141752 CDS product virion protein US10
 GGCGCAGGGCCTCGGCGGCCTCGGCGGAGGCGG
 141721 141741 141087 141752 CDS product virion protein US10

140451-140489 8:05:02
 140512-140525 4:01:01 GGCGGGGCGGGCGG
 140625-140641 4:01:01 CCGCCGCCAGTGC GCCC
 140646-140671 5:02:01
 140689-140710 4:01:01 GGCGTGGCCGGGGCGTTCCTGG
 141092-141116 5:02:01 GGGGGTCTCCCGAGCGCGGCCGGG
 141112-141132 4:01:01 CCGGGTCCCCGCCGCGGGGCC
 141144-141160 5:02:01 GGGGCGGCGGGAGCGG
 141163-141174 4:01:01 CCCGCCGCCCC
 141175-141211 8:05:02
 141226-141242 4:01:01 CCGCCCCGCCAGCTCC
 141286-141305 4:01:01 CCCCAGTCCGAGCCGGGCC
 141413-141435 5:02:01 GGCGTGCGCGGCGGGCGGCGCGG
 141464-141513 9:06:02
 141555-141577 5:02:01 GGCCACAGGCCCTGGGGCGGGG
 141586-141618 8:05:02
 141721-141741 4:01:01 GGGCCATGGGGGAGACCGAGG

141955 141977 141938 143005 CDS product regulatory protein ICP22 GGCGGGACGGCCGCGCCGCGGG	141955-141977 5:02:01
141965 141983 141938 143005 CDS product regulatory protein ICP22	141965-141983 4:01:01 CCGCGGCCGCGGGCCTTCC
142006 142050 141938 143005 CDS product regulatory protein ICP22 GGGCGGCGTCTCGGGGAGGAGGAGGGCAACGGGAGAAGGGGG	142006-142050 10:07:02
142059 142073 141938 143005 CDS product regulatory protein ICP22	142059-142073 4:01:01 GGGCGGCGCGGCGGG
142083 142116 141938 143005 CDS product regulatory protein ICP22 GGAGCACGGGCGGCGTCTCGGGGAGGAGGGGG	142083-142116 8:05:02
142149 142183 141938 143005 CDS product regulatory protein ICP22 GGAGCACGGGCGGCGTCTCGGGGAGGAGGGCGGG	142149-142183 8:05:02
142204 142220 141938 143005 CDS product regulatory protein ICP22	142204-142220 4:01:01 GGTCCAGCGGCCGTGG
142238 142255 141938 143005 CDS product regulatory protein ICP22	142238-142255 5:02:01 CCGCCAAAGCCCCGTCC
142296 142308 141938 143005 CDS product regulatory protein ICP22	142296-142308 4:01:01 CCTCCTCCTCGCC
142339 142377 141938 143005 CDS product regulatory protein ICP22 GGAGGGGCGGAGGACGACGAGGCGGAGGACGGGAGGG	142339-142377 10:07:02
142431 142450 141938 143005 CDS product regulatory protein ICP22	142431-142450 4:01:01 GGGGCTCGGGGGGTCGAGG
142659 142690 141938 143005 CDS product regulatory protein ICP22 GGAAGAGGCGTTTCAGGCGCGCGGCGAGGCGG	142659-142690 7:04:01
142729 142773 141938 143005 CDS product regulatory protein ICP22 GGGCCCCCGGCGAGGCGCGGGGCGAGGGCGGGGCGAGACGGG	142729-142773 7:04:01
142776 142803 141938 143005 CDS product regulatory protein ICP22 CCCCGTACTCCGGGTGGTCCGCCCCCCC	142776-142803 5:02:01
142833 142938 141938 143005 CDS product regulatory protein ICP22	142833-142938 23:20:05

GGGGGGCGGAGCCGGGCGTGGGGGAGAGGGAGGCGCGCCAGGAGGGGGCGGTGGCGCCGAGCGGGGGGGCGACGGCGACAGAGGCGGGATGAGGGGGCTGGCGGG

142947	142964	141938	143005	CDS product regulatory protein ICP22	142947-142964	5:02:01	GGGGGCGCAGGCGGCAGG
146719	146743	146649	150797	CDS product transcriptional regulator ICP4	146719-146743	6:03:01	
				CCTCATCCGGGCCGCCGGTGCCGCC			
146754	146774	146649	150797	CDS product transcriptional regulator ICP4	146754-146774	4:01:01	
				CCCAGCAGCACCCCGACCTCC			
146780	146804	146649	150797	CDS product transcriptional regulator ICP4	146780-146804	4:01:01	
				GGGAGCCAGGGGCTCTTCGGGGTGG			
146826	146879	146649	150797	CDS product transcriptional regulator ICP4	146826-146879	13:10:03	
				CCCCGCCATCCCCGCCATCCCCGCTCCCCGGCTCCGCCGCCGCCGAGCCCC			
146888	146950	146649	150797	CDS product transcriptional regulator ICP4	146888-146950	13:10:03	
				CCCAAGCAGGCCGCGCCGCCACCAAGCCCGCCCGCCCGACGGTGCCCTCGCCGGCCCCC			
146944	146967	146649	150797	CDS product transcriptional regulator ICP4	146944-146967	5:02:01	
				GGCCCCCGCGGGGAGCCGGCGGG			
146989	147030	146649	150797	CDS product transcriptional regulator ICP4	146989-147030	7:04:01	
				GGTCCGGGCCGAGATGGAGACCACGGAGGTCTGAAGGGGACGG			
147066	147187	146649	150797	CDS product transcriptional regulator ICP4	147066-147187	24:21:06	
				CCACCCCTCCGCTCCCCGCTCCGCCTCCCCGCGTCGAGGCCCCCGCGCGCCGGAGCGCCTCCTGCTCCTCGTCCTCGTCGCTCCTCCTCTGGCTCCTCCGCCTCGGACTCCGCC			
147201	147223	146649	150797	CDS product transcriptional regulator ICP4	147201-147223	5:02:01	
				CCGACGCCGCGCCCGCCCCGTCC			
147234	147253	146649	150797	CDS product transcriptional regulator ICP4	147234-147253	6:03:01	
				CCCGCGTCCCCCGCGCCC			
147263	147284	146649	150797	CDS product transcriptional regulator ICP4	147263-147284	4:01:01	

CCGGCTCTCCCGCCCGGAGACC						
147357 147427 146649 150797 CDS product transcriptional regulator ICP4	147357-147427	14:11:03				
CCCCTTCGCCCTCCCCGCGGGCCCCGCCGCCGCCCTCGGGGGCCCGCCGCCCTCGGGGGCCTCC						
147442 147512 146649 150797 CDS product transcriptional regulator ICP4	147442-147512	13:10:03				
CCGGCCGGTGCCCGCGTTCTCCAGGCCGCCCCGGAACCCCGTCCCCGCCCGCCGATCGGTCCTCGCCCC						
147527 147564 146649 150797 CDS product transcriptional regulator ICP4	147527-147564	8:05:02				
CCGCCGAGCCCTCCTCGCGCCCCTGCCCCAGCAGCC						
147588 147659 146649 150797 CDS product transcriptional regulator ICP4	147588-147659	12:09:03				
CCGGCGCCGGCGCCCTCGGGCCCGGGCCCCGACGCCGCCGGAGCCCGCGCCGGCCCCGCGGAGCCCC						
147630 147653 146649 150797 CDS product transcriptional regulator ICP4	147630-147653	4:01:01				
GGGAGCCCGCGGCCGCCCCGCGG						
147668 147713 146649 150797 CDS product transcriptional regulator ICP4	147668-147713	9:06:02				
CCGGCCGGGGACCCCTGGCCGGGCTCCGACCCGCCGCCAAGGGCC						
147670 147690 146649 150797 CDS product transcriptional regulator ICP4	147670-147690	4:01:01				
GGCCGGGGACCCCTGGCCGGG						
147725 147758 146649 150797 CDS product transcriptional regulator ICP4	147725-147758	6:03:01				
GGGGGCACCGGGACTCGCGGGAGGGCTCTGGG						
147798 147817 146649 150797 CDS product transcriptional regulator ICP4	147798-147817	4:01:01				
CCGCCGGCGGGCCCGTGCCC						
147829 147846 146649 150797 CDS product transcriptional regulator ICP4	147829-147846	4:01:01				
GGAGATGGGGGACTCGGG						
148078 148091 146649 150797 CDS product transcriptional regulator ICP4	148078-148091	4:01:01	GGCGGCCTCGGTGG			
148083 148112 146649 150797 CDS product transcriptional regulator ICP4	148083-148112	5:02:01				

CCTCGGTGGCCATGAGCCGCCGATACGACC		
148132 148153 146649 150797 CDS product transcriptional regulator ICP4	148132-148153	4:01:01
CCTGCAGAGCCTGCGCCGGGCC		
148167 148180 146649 150797 CDS product transcriptional regulator ICP4	148167-148180	4:01:01 CCTTCCCCCGGCCC
148194 148250 146649 150797 CDS product transcriptional regulator ICP4	148194-148250	13:10:03
CCCCCGCCGCGAGCCCGGCTCGCCGCCGGGCCCCGGACCCGCCGCCCCCTCGCCCC		
148260 148316 146649 150797 CDS product transcriptional regulator ICP4	148260-148316	11:08:02
CCTCCTCCTCCTCCCGACGGCCGGGCGCCGCGCTCCCCGCCGAGCCCCGGGCCC		
148363 148390 146649 150797 CDS product transcriptional regulator ICP4	148363-148390	4:01:01
CCGGGCGCCCGGGAGCCCGGGAGCCC		
148365 148402 146649 150797 CDS product transcriptional regulator ICP4	148365-148402	6:03:01
GGGCGCCCGGGAGCCCGGGAGCCCGGGCGGCGCGG		
148412 148439 146649 150797 CDS product transcriptional regulator ICP4	148412-148439	6:03:01
GGGGGCGCCCGGTCAAGGAGCTGGGGG		
148443 148465 146649 150797 CDS product transcriptional regulator ICP4	148443-148465	5:02:01
CCTGCGTCCTCGCCTGCCACGCC		
148485 148505 146649 150797 CDS product transcriptional regulator ICP4	148485-148505	4:01:01
GGCTCCGCGGAGGCGCCGCGG		
148500 148525 146649 150797 CDS product transcriptional regulator ICP4	148500-148525	6:03:01
CCGCGCCGTCCCCGGCCTCCAGCCC		
148534 148562 146649 150797 CDS product transcriptional regulator ICP4	148534-148562	6:03:01
CCCGACCCCGCCTGCCCCCGGAGGCC		
148568 148589 146649 150797 CDS product transcriptional regulator ICP4	148568-148589	4:01:01

GGCAACCCCGCGGCCTCCGGG						
148573	148603	146649	150797	CDS product transcriptional regulator ICP4	148573-148603	7:04:01
CCCCGGCGGCCTCCGGGCCGCCGCGGCC						
148638	148662	146649	150797	CDS product transcriptional regulator ICP4	148638-148662	4:01:01
GGCTCCTGGGCGCAGGACCCCGG						
148725	148752	146649	150797	CDS product transcriptional regulator ICP4	148725-148752	4:01:01
CCGTCGCCCCGCTCGTCCGGTACAACCC						
148767	148787	146649	150797	CDS product transcriptional regulator ICP4	148767-148787	4:01:01
CCCGCGCCTCGGCCTGGACCC						
148819	148841	146649	150797	CDS product transcriptional regulator ICP4	148819-148841	5:02:01
GGCGGCCCGGCAGATGGCCGAGG						
148836	148872	146649	150797	CDS product transcriptional regulator ICP4	148836-148872	6:03:01
CCGAGGCCGTCGCCGCGCTCCCCGGCGCCCCGGCC						
148903	148986	146649	150797	CDS product transcriptional regulator ICP4	148903-148986	17:14:04
CCACCTGCCGCCCTGTGGGCCACCCGCCGAGCCCCAGCCGCGGGCCCTCCGAGCCCGCGCACCGGGCCCCGTCCCC						
148996	149025	146649	150797	CDS product transcriptional regulator ICP4	148996-149025	8:05:02
CCCGCCCCCGCCGCCCTGCGCCTCCCC						
149034	149092	146649	150797	CDS product transcriptional regulator ICP4	149034-149092	10:07:02
CCCGGGGCTCCCCGAGGCCTCGGAGGCCGCTCCCCCGCTGCCTGGGACGCCTTCCC						
149097	149116	146649	150797	CDS product transcriptional regulator ICP4	149097-149116	4:01:01
GGCGCCCAGGCAGCGGGG						
149122	149143	146649	150797	CDS product transcriptional regulator ICP4	149122-149143	5:02:01
CCGCTCCGAGCCCGCGCCCC						

149175	149267	146649	150797	CDS product transcriptional regulator ICP4	149175-149267	18:15:04	
CCGGGGCCGCCACCCCGCCGGCACCCAAGCGCCGGCCCGCGCCCCCGCCTCGCGCCCTGGGCCCCATGCCCGCCGGCGGCCCCGACCCCC							
149302	149362	146649	150797	CDS product transcriptional regulator ICP4	149302-149362	10:07:02	
CCACACGCCGGCGCCCGGCGAGGCCGCCCGCGCGCCTACTGCTCCCCGAGACCGTGGCC							
149389	149401	146649	150797	CDS product transcriptional regulator ICP4	149389-149401	4:01:01	GGAGGCATGGCGG
149402	149447	146649	150797	CDS product transcriptional regulator ICP4	149402-149447	8:05:02	
CCCGCGCTACCTTCGACCCGGCCGCCCTGGCGACCGTCGCCGCC							
149448	149475	146649	150797	CDS product transcriptional regulator ICP4	149448-149475	4:01:01	
GGCGCACGGGGCCCCCGGCCCGGAGGG							
149496	149527	146649	150797	CDS product transcriptional regulator ICP4	149496-149527	7:04:01	
CCCCCAGCGGCCCGCTGCGCCGCCGCGCCGCC							
149572	149590	146649	150797	CDS product transcriptional regulator ICP4	149572-149590	5:02:01	
CCTCTACCACCCCTGCCC							
149591	149610	146649	150797	CDS product transcriptional regulator ICP4	149591-149610	4:01:01	
GGCGAGGACCTGCTGGGCGG							
149621	149646	146649	150797	CDS product transcriptional regulator ICP4	149621-149646	6:03:01	
GGCGGCGCGGCGGGCCGCGAGGGCGG							
149733	149751	146649	150797	CDS product transcriptional regulator ICP4	149733-149751	4:01:01	
GGGCCGGCAACTGGACCGG							
149799	149815	146649	150797	CDS product transcriptional regulator ICP4	149799-149815	4:01:01	
CCACCGGGGACCTGGCC							
149804	149831	146649	150797	CDS product transcriptional regulator ICP4	149804-149831	4:01:01	
GGGGACCTGGCCTTCGCGGGCTGCGTGG							

149851	149869	146649	150797	CDS product transcriptional regulator ICP4	149851-149869	4:01:01
GGGCTCGGCCCGGCCGG						
149906	149923	146649	150797	CDS product transcriptional regulator ICP4	149906-149923	4:01:01
CCCGCCGACGGCCCGGCC						
150121	150143	146649	150797	CDS product transcriptional regulator ICP4	150121-150143	4:01:01
GGGCAACGTGGCCTACGTGGTGG						
150173	150197	146649	150797	CDS product transcriptional regulator ICP4	150173-150197	5:02:01
CCCATGCCGCCCCGGGACTACCGCC						
150240	150259	146649	150797	CDS product transcriptional regulator ICP4	150240-150259	4:01:01
CCCAGAGCCGGGGCCTGGCC						
150298	150314	146649	150797	CDS product transcriptional regulator ICP4	150298-150314	4:01:01
CCACCGCGCGGCAACC						
150332	150365	146649	150797	CDS product transcriptional regulator ICP4	150332-150365	7:04:01
CCGCTGCGTCCGCTCTACCTGGCCGCCGGCCGCC						
150352	150377	146649	150797	CDS product transcriptional regulator ICP4	150352-150377	4:01:01
GGCCGCCGGCCGCCGCGCGCTGG						
150384	150412	146649	150797	CDS product transcriptional regulator ICP4	150384-150412	6:03:01
CCGCCGCGCCCGCGGACCTGCTGCCGCC						
150436	150473	146649	150797	CDS product transcriptional regulator ICP4	150436-150473	6:03:01
GGCGCTGCTGGAGCCGACCTCGAGGCCGCCCCGACGG						
150449	150468	146649	150797	CDS product transcriptional regulator ICP4	150449-150468	4:01:01
CCGGACCTCGAGGCCGCCC						
150553	150575	146649	150797	CDS product transcriptional regulator ICP4	150553-150575	5:02:01

GGTGCTGGCGCCGGGGCCGTGG

150622 150643 146649 150797 CDS product transcriptional regulator ICP4

150622-150643 5:02:01

GGAGACGGACGGCGCCGGCGGG

150680 150724 146649 150797 CDS product transcriptional regulator ICP4

150680-150724 7:04:01

GGGCCCCGGGGCGGCAGCGGGCGCCCCGGCGCCGGGGCCCCGCGGG

150703 150727 146649 150797 CDS product transcriptional regulator ICP4

150703-150727 4:01:01

CCCCGGCGCCGGGGCCCCGCGGGCCC