

Table S1. Predicted virulence factors in the genome of *survcare401* as well as their presences in *Survcare357* and *Survcare372*.

#	Locus tag	Coordinates in <i>Survcare401</i> (+/-)	Product	gene	<i>Survcare372</i>	<i>Survcare357</i>
1	<i>ORF1_236</i>	263829..264767 (-)	ADP-L-glycero-D-mannoheptose-6-epimerase	<i>rfaD</i>	yes	yes
2	<i>ORF1_804</i>	855013..855630 (+)	urease accessory protein (ureG)	<i>ureG</i>	yes	yes
3	<i>ORF1_1151</i>	1276310..1276888 (+)	(gb NP_439337) (gmhA/lpcA) phosphoheptose isomerase	<i>gmhA/lpcA</i>	yes	yes
4	<i>ORF1_1181</i>	1310618..1311133 (+)	(gb NP_230208) (luxS) S-ribosylhomocysteinase [AI-2 (VF0406)]	<i>luxS</i>	yes	yes
5	<i>ORF1_1504</i>	1644629..1645678 (+)	Ureidoglycolate dehydrogenase	<i>allD</i>	yes	yes
6	<i>ORF1_1519</i>	1666435..1668180 (+)	(gb NP_438233) (msbA) lipid transporter ATP-binding/permease	<i>msbA</i>	yes	yes
7	<i>ORF1_1549</i>	1705594..1707072 (-)	type VI secretion system tubule-forming protein VipB	<i>vipB/mglB</i>	yes	yes
8	<i>ORF1_1551</i>	1709491..1710009 (+)	type VI secretion system effector, Hcp1 family	T6SE	yes	yes
9	<i>ORF1_1552</i>	1710093..1712285 (+)	type VI secretion system preprotein VgrG	T6SE	yes	yes
10	<i>ORF1_1593</i>	1758441..1759529 (-)	outer membrane protein A	<i>ompA</i>	yes	yes
11	<i>ORF1_1834</i>	1998438..1999292 (+)	(gb NP_439706) (kdsA) 2-dehydro-3-deoxyphosphooctonate aldolase	<i>kdsA</i>	yes	yes
12	<i>ORF1_1862</i>	2031526..2032044 (+)	type VI secretion system effector, Hcp1 family	T6SE	yes	yes
13	<i>ORF1_2130</i>	2319691..2320269 (+)	superoxide dismutase	<i>sodB</i>	yes	yes
14	<i>ORF1_2220</i>	2424837..2425742 (-)	(gb NP_438972) (galU) glucosephosphate uridylyltransferase	<i>galU</i>	yes	yes
15	<i>ORF1_2350</i>	2576313..2577035 (-)	flagellar biosynthesis sigma factor	<i>fliA</i>	yes	yes
16	<i>ORF1_2363</i>	2588834..2589832 (+)	flagellar motor switch protein G	<i>fliG</i>	yes	yes
17	<i>ORF1_2365</i>	2590547..2591920 (+)	flagellum-specific ATP synthase FliI	<i>fliI</i>	not	yes
18	<i>ORF1_2369</i>	2594475..2595506 (+)	(gb YP_001006748) (fliM) flagellar motor switch protein FliM	<i>fliM</i>	yes	yes
19	<i>ORF1_2370</i>	2595499..2595909 (+)	(gb YP_001006749) (fliN) flagellar motor switch protein FliN	<i>fliN</i>	yes	yes
20	<i>ORF1_2372</i>	2596359..2597129 (+)	(gb YP_001006751) (fliP) flagellar biosynthetic protein FliP	<i>fliP</i>	yes	yes
21	<i>ORF1_2373</i>	2597144..2597413 (+)	(gb YP_001006752) (fliQ) flagellar biosynthetic protein FliQ	<i>fliQ</i>	yes	yes
22	<i>ORF1_2379</i>	2602232..2603338 (-)	(gb YP_001006757) (flgI) flagellar P-ring protein precursor FlgI	<i>flgI</i>	yes	yes
23	<i>ORF1_2380</i>	2603353..2604096 (-)	(gb YP_001006758) (flgH) flagellar L-ring protein precursor FlgH	<i>flgH</i>	yes	not
24	<i>ORF1_2381</i>	2604159..2604941 (-)	(gb YP_106902) (flgG) flagellar basal body rod protein FlgG	<i>flgG</i>	yes	yes
25	<i>ORF1_2385</i>	2607806..2608210 (-)	(gb YP_001006763) (flgC) flagellar basal-body rod protein FlgC	<i>flgC</i>	yes	yes
26	<i>ORF1_2386</i>	2608216..2608629 (-)	(gb YP_001006764) (flgB) flagellar basal-body rod protein FlgB	<i>flgB</i>	yes	yes
27	<i>ORF1_2391</i>	2612617..2614707 (-)	(gb YP_001006770) (fliH) flagellar biosynthesis protein FliH	<i>fliH</i>	yes	yes

28	ORF1_2393	2616277..2616933 (-)	(gb YP_001006773) (cheZ) chemotaxis regulator CheZ	<i>cheZ</i>	yes	yes
29	ORF1_2394	2616943..2617332 (-)	(gb YP_001006774) (cheY) chemotaxis regulatory protein CheY	<i>cheY</i>	yes	yes
30	ORF1_2395	2617392..2618444 (-)	(gb YP_001006775) (cheB) chemotaxis-specific methyltransferase CheB	<i>cheB</i>	yes	yes
31	ORF1_2399	2623094..2623594 (-)	(gb YP_001006779) (cheW) purine-binding chemotaxis protein CheW	<i>cheW</i>	yes	yes
32	ORF1_2400	2623616..2625835 (-)	(gb YP_001006780) (cheA) chemotaxis protein CheA	<i>cheA</i>	yes	yes
33	ORF1_2402	2626923..2627792 (-)	(gb YP_001006782) (motA) flagellar motor protein MotA	<i>motA</i>	yes	yes
34	ORF1_2403	2627951..2628532 (-)	(gb YP_001006783) (flhC) flagellar biosynthesis transcription activator FlhC	<i>flhC</i>	yes	yes
35	ORF1_2404	2628535..2628885 (-)	(gb YP_001006784) (flhD) flagellar transcriptional activator FlhD	<i>flhD</i>	not	not
36	ORF1_2472	2706620..2708074 (+)	(gb NP_273273) (katA) catalase	<i>katA</i>	yes	yes
37	ORF1_2635	2895351..2895929 (-)	alginate biosynthesis protein AlgZ/FimS	<i>algU</i>	yes	yes
38	ORF1_2857	3116799..3117719 (-)	(gb NP_439302) (lpxC) UDP-3-O-(R-3-hydroxymyristoyl) -N-acetylglucosamine deacetylase	<i>lpxC</i>	yes	yes
39	ORF1_3055	3317204..3318469 (-)	Putative cytoplasmic protein	<i>ylbE</i>	yes	yes
40	ORF1_3075	3336597..3337307 (-)	chaperone protein PapD	<i>papD</i>	yes	yes
41	ORF1_3129	3400016..3400819 (-)	(gb NP_439219) (lpxA) UDP-N-acetylglucosamine acyltransferase	<i>lpxA</i>	yes	yes
42	ORF1_3210	3503336..3504760 (-)	ADP-heptose synthase	<i>rfaE</i>	yes	yes
43	ORF1_3335	3640480..3642126 (-)	Hsp60, 60K heat shock protein HtpB	<i>htpB</i>	yes	yes
44	ORF1_3823	4174156..4174674 (+)	type VI secretion system effector, Hcp1 family	T6SE	yes	yes
45	ORF1_3824	4174747..4176918 (+)	type VI secretion system preprotein VgrG	T6SE	yes	yes
46	ORF1_3827	4178188..4181232 (+)	type VI secretion system preprotein IdsD	T6SE	yes	yes