

No	Strain	Prophages						Integron_Finder Results										CRISPRfinder Results			ISfinder			Diversity of ICEs_by_MacysIIT	
		Intact phage	Incomplete phages2	Questionable phage	Inactive/incomplete	Total (intact+incomplete+q)	Has_prophage	Total Integrons	Complete Integrons	Complete and Ino Integrons	Total Integrons per genome	Complete Integrons per genome	Complete and Ino per genome	Total Integrons per Map	Complete Integrons per Map	Complete and Ino per Map	Has_Integrons	Sum_Evidence_2_4	CAS	Has_CRISPR	Number of Insertion Sequences	Average Length Sequence	Has_IS	Type of ICEs	Has_ICEs
32	Desulfocurvibacter africanus PCS	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	-	0	0	0
2	Desulfocurvibacter africanus subsp. africanus DSM 2603	2	3	1	5	6	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	-	0	0	0
4	Desulfocurvibacter africanus subsp. africanus str. Walvis Bay	2	0	1	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0
12	Desulfocurvus vexinensis DSM 17965	1	1	0	2	2	1	0	0	0	0	0	0	0	0	0	0	2	5	1	0	-	0	0	0
13	Desulfobrevibacterium alkalitolerans DSM 16529	1	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	4	5	1	0	-	0	0	0
20	Desulfobrevibacterium aminophilus DSM 12254	0	2	0	2	2	1	1	0	0	1	0	0	0	0	0	0	0	2	0	0	-	0	2	1
23	Desulfobrevibacterium carbinophilus subsp. oakridgensis FW-101-28	0	3	0	3	3	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	-	0	1	1
11	Desulfobrevibacterium cuneatus DSM 11391	0	4	0	4	4	1	0	0	0	0	0	0	0	0	0	0	0	4	0	0	-	0	3	1
43	Desulfobrevibacterium desulfuricans AY5	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	1	3	1	0	-	0	2	1
39	Desulfobrevibacterium desulfuricans DFL2.30	1	5	0	6	6	1	0	0	0	0	0	0	0	0	0	0	1	5	1	2	1033	1	1	1
38	Desulfobrevibacterium desulfuricans DFL2.72	1	5	0	6	6	1	0	0	0	0	0	0	0	0	0	0	1	5	1	2	1033	1	1	1
37	Desulfobrevibacterium desulfuricans DFL2.73	1	5	0	6	6	1	0	0	0	0	0	0	0	0	0	0	1	5	1	2	1033	1	1	1
26	Desulfobrevibacterium desulfuricans DSM 642	0	2	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	3	0	0	-	0	1	1
42	Desulfobrevibacterium desulfuricans DSM 7057 (strain G13)	1	3	0	4	4	1	0	0	0	0	0	0	0	0	0	0	1	11	1	0	-	0	4	1
36	Desulfobrevibacterium desulfuricans Edelweiss	0	2	0	2	2	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	-	0	1	1
41	Desulfobrevibacterium desulfuricans IC1	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	-	0	0	0
35	Desulfobrevibacterium desulfuricans L4	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1778	1	4	1
34	Desulfobrevibacterium desulfuricans MCC432	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3	2	1	1	708	1	1	1
40	Desulfobrevibacterium desulfuricans NBRC 13699 (ATCC 7757=NCIB 8372)	0	2	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1357	1	0	0
29	Desulfobrevibacterium inopinatus DSM 10711	0	3	0	3	3	1	0	0	0	0	0	0	0	0	0	0	2	3	1	0	-	0	0	0
10	Desulfobrevibacterium oxyclinae DSM 11498	0	3	0	3	3	1	0	0	0	0	0	0	0	0	0	0	2	1	1	0	-	0	0	0
9	Desulfobrevibacterium piger ATCC 29098	2	1	1	3	4	1	0	0	0	0	0	0	0	0	0	0	2	1	1	0	-	0	0	0
19	Desulfobrevibacterium sp. A2	1	2	1	3	4	1	0	0	0	0	0	0	0	0	0	0	1	5	1	1	1357	1	0	0
18	Desulfobrevibacterium sp. X2	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	7	1	1	1482	1	0	0

33	Desulfovibrio vulgaris DP4	0	4	0	4	4	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	1213	1	0	0
1	Desulfovibrio vulgaris str. Hildenborough (DSM 644, ATCC 29579)	3	1	1	4	5	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	10	1265	1	0	0
28	Fundisulfovibrio putellii DSM 16056	1	1	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1239	1	6	1
44	Geobacter anodireducens Phe52	0	2	0	2	2	1	1	1	1	1	1	0	0	0	0	1	1	5	1	12	1276	1	0	0	
45	Geobacter argillaceus ATCC BAA-1139	0	2	0	2	2	1	1	0	1	1	0	1	0	0	0	0	1	5	1	1	899	1	1	1	
59	Geobacter benzoatilyticus Jerry-YX	0	1	1	1	2	1	1	1	1	1	1	0	0	0	0	1	1	1	1	4	1976	1	0	0	
46	Geobacter chapelii DSM 13688	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	7	1	3	973	1	1	1	
47	Geobacter daltonii FRC-32	0	8	0	8	8	1	1	0	1	1	0	1	0	0	0	0	1	1	1	0	-	0	0	0	
48	Geobacter grbiciae DSM 13689	0	3	0	3	3	1	1	1	1	1	1	0	0	0	0	1	1	3	1	7	1253	1	3	1	
49	Geobacter hydrogenophilus DSM 13691	0	1	0	1	1	1	2	1	2	2	1	2	0	0	0	1	0	0	0	2	806	1	0	0	
50	Geobacter luticola JCM 17780	0	7	0	7	7	1	1	0	1	1	0	1	0	0	0	0	1	3	1	1	813	1	0	0	
51	Geobacter metallireducens GS-15	0	8	0	8	8	1	2	1	2	2	1	2	0	0	0	1	1	1	1	72	1369	1	1	1	
52	Geobacter metallireducens RCH3	0	6	0	6	6	1	2	2	2	2	2	2	1	1	1	1	1	10	1	12	1205	1	1	1	
53	Geobacter pickeringii G13	0	3	0	3	3	1	0	0	0	0	0	0	0	0	0	0	2	2	1	10	1098	1	0	0	
54	Geobacter soli G5501	0	1	0	1	1	1	2	0	1	2	0	1	1	0	0	0	1	1	1	4	1926	1	0	0	
55	Geobacter sp. AOG1	0	3	0	3	3	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	-	0	1	1	
56	Geobacter sp. AOG2	0	3	0	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	1	1	
57	Geobacter sp. DSM 9736	0	2	0	2	2	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	-	0	0	0	
58	Geobacter sp. FeAm09	0	5	0	5	5	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	-	0	2	1	
60	Geobacter sp. OR-1	0	3	0	3	3	1	0	0	0	0	0	0	0	0	0	0	2	4	1	1	952	1	0	0	
61	Geobacter sp. SVR	0	3	0	3	3	1	0	0	0	0	0	0	0	0	0	0	1	1	1	7	1015	1	1	1	
62	Geobacter sulfurreducens KN400	0	0	1	0	1	1	2	0	2	2	0	2	1	0	1	0	1	1	1	8	1350	1	0	0	
63	Geobacter sulfurreducens PCA	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	1	2	1	1	25	1371	1	0	0	
64	Geobacter sulfurreducens YM18	0	2	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	885	1	2	1	
65	Geobacter sulfurreducens YM35	0	1	1	1	2	1	1	0	1	1	0	1	0	0	0	0	1	1	1	4	1507	1	1	1	
66	Geobacter uranireducens Rf4	0	2	0	2	2	1	1	0	1	1	0	1	0	0	0	0	1	1	1	58	1508	1	0	0	
3	Halodesulfovibrio aestuarii DSM 17919	1	3	0	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	2	1	
24	Maridesulfovibrio bastinii DSM 16055	0	3	0	3	3	1	0	0	0	0	0	0	0	0	0	0	5	6	1	0	-	0	0	0	
16	Maridesulfovibrio frigidus DSM 17176	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	6	1	
17	Maridesulfovibrio hydrothermalis DSM 14728	1	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	2	2	1	0	-	0	2	1	

71	Shewanella gelidii JCM 30804	0	2	0	2	2	1	10	1	1	10	1	1	3	0	0	1	0	3	0	2	772	1	0	0
125	Shewanella glacialis marina TZ-4	2	1	0	3	3	1	1	1	1	1	1	1	0	0	0	1	0	0	0	2	1314	1	0	0
72	Shewanella glacialis piscicola T147	0	1	1	1	2	1	6	0	0	6	0	0	1	0	0	0	0	18	0	25	1181	1	1	1
73	Shewanella hafniensis ATCC BAA-1207	2	1	0	3	3	1	1	0	0	1	0	0	0	0	0	0	2	14	1	18	1323	1	1	1
120	Shewanella halifaxensis HAW-EB4	0	2	0	2	2	1	1	1	1	1	1	1	0	0	0	1	0	0	0	2	1465	1	0	0
118	Shewanella hanedai JCM 20706	0	2	0	2	2	1	3	1	1	3	1	1	1	0	0	1	0	6	0	3	1244	1	0	0
104	Shewanella indica KJW27	0	1	0	1	1	1	2	0	0	2	0	0	0	0	0	0	1	5	1	4	1084	1	1	1
78	Shewanella intestini MCCC 1A01895	0	1	0	1	1	1	4	1	1	4	1	1	1	0	0	1	0	1	0	3	975	1	1	1
105	Shewanella inventiois CGMCC 1.15339	0	1	0	1	1	1	4	1	1	4	1	1	1	0	0	1	1	5	1	18	1356	1	0	0
88	Shewanella japonica KCTC 22435 (=ATCC: BAA-316)	0	2	0	2	2	1	2	1	1	2	1	1	0	0	0	1	0	0	0	2	1188	1	1	1
74	Shewanella khirikhana TH2012	1	0	0	1	1	1	3	2	2	3	2	2	1	0	0	1	0	0	0	2	1155	1	1	1
89	Shewanella litoralis JCM 32306	0	3	0	3	3	1	1	0	0	1	0	0	0	0	0	0	0	7	0	9	1073	1	0	0
106	Shewanella litoralis edimurii SMK1-12	0	1	0	1	1	1	2	2	2	2	2	2	0	0	0	1	0	0	0	4	1013	1	1	1
90	Shewanella livingstonensis LMG 19866	0	0	2	0	2	1	1	1	1	1	1	1	0	0	0	1	0	0	0	19	1217	1	0	0
107	Shewanella mangrovei YQH10	0	1	0	1	1	1	3	1	1	3	1	1	1	0	0	1	0	3	0	1	1448	1	0	0
91	Shewanella marina JCM 15074	0	1	0	1	1	1	2	1	1	2	1	1	0	0	0	1	0	3	0	0	-	0	0	0
108	Shewanella marisflavi EP1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	-	0	1	1
92	Shewanella maritima D4-2	0	2	0	2	2	1	2	1	1	2	1	1	0	0	0	1	0	0	0	0	-	0	0	0
75	Shewanella morhuae ATCC BAA-1205	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	3	0	9	1112	1	0	0
126	Shewanella nanhaiensis NR704-98	0	2	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	3	0	2	1222	1	0	0
109	Shewanella oneidensis MR-1	7	6	2	13	15	1	2	1	1	2	1	1	0	0	0	1	0	0	0	52	1315	1	0	0
76	Shewanella pealeana ATCC 700345	0	1	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	10	1377	1	0	0
110	Shewanella piezotolerans WP3	1	0	0	1	1	1	2	1	1	2	1	1	0	0	0	1	0	0	0	20	1322	1	0	0
77	Shewanella polaris SM1901	0	1	1	1	2	1	1	0	1	1	0	1	0	0	0	0	0	0	0	4	1198	1	1	1
111	Shewanella psychrophila WP2	1	4	1	5	6	1	2	0	2	2	0	2	0	0	0	0	0	0	0	22	1254	1	0	0
67	Shewanella putrefaciens ATCC 8071	0	2	0	2	2	1	3	0	1	3	0	1	1	0	0	0	2	1	1	0	-	0	0	0
80	Shewanella sairae JCM 11563	0	1	0	1	1	1	4	1	1	4	1	1	1	0	0	1	0	15	0	13	1046	1	7	1
93	Shewanella saliphila JCM 32304	0	2	0	2	2	1	2	1	1	2	1	1	0	0	0	1	0	7	0	8	988	1	0	0
81	Shewanella schlegeliana JCM 11561	0	1	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	2	0	3	1146	1	1	1

112	Shewanella sediminis HAW-E83	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1214	1	0	0
124	Shewanella sp. ANA-3	0	1	0	1	1	1	4	0	0	4	0	0	1	0	0	0	1	0	1	17	1891	1	2	1
113	Shewanella sp. Arc9-L2	0	3	0	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1223	1	0	0
122	Shewanella sp. BF02 Schw	1	5	0	6	6	1	1	0	0	1	0	0	0	0	0	0	3	1	1	16	1196	1	0	0
119	Shewanella sp. HN-41	0	3	0	3	3	1	9	1	1	9	1	1	2	0	0	1	0	4	0	2	1219	1	0	0
121	Shewanella sp. LZH-2	1	2	0	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1387	1	0	0
114	Shewanella sp. M16	3	1	0	4	4	1	4	1	1	4	1	1	1	0	0	1	0	5	0	20	945	1	2	1
82	Shewanella sp. MR-4	0	1	0	1	1	1	3	0	0	3	0	0	1	0	0	0	0	0	0	7	1338	1	0	0
83	Shewanella sp. TC10	0	4	0	4	4	1	9	0	0	9	0	0	2	0	0	0	0	12	0	6	1123	1	0	0
115	Shewanella sp. W3-18-1	1	4	1	5	6	1	1	0	0	1	0	0	0	0	0	0	2	1	1	36	1794	1	1	1
94	Shewanella ulleungensis JCM 32305	0	1	0	1	1	1	5	1	1	5	1	1	1	0	0	1	0	1	0	2	1657	1	0	0
116	Shewanella vesiculosa LMG 24424	0	1	1	1	2	1	5	1	2	5	1	2	1	0	0	1	0	1	0	8	1367	1	0	0
117	Shewanella violacea DSS12	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1285	1	0	0
95	Shewanella woodyi ATCC 51908	0	0	0	0	0	0	3	2	2	3	2	2	1	0	0	1	0	0	0	5	1417	1	1	1
25	Solidesulfovibrio alcohovorans DSM 5433	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	4	1	4	1566	1	1	1
14	Solidesulfovibrio fructosivorans JJ	1	2	0	3	3	1	0	0	0	0	0	0	0	0	0	0	2	5	1	0	-	0	0	0
7	Solidesulfovibrio magneticus RS-1	0	2	0	2	2	1	0	0	0	0	0	0	0	0	0	0	2	1	1	1	2262	1	1	1