

Supplemental Table 1

Organism	Organism Taxonomic group	Group	Genomic Context	Genome or contig #	Size (Kb)	Position of ends		Protein #
						Right	Left	
<i>Escherichia coli</i>	Gammaproteobacteria	A	plasmid, <i>attTn7</i>	<a href="#">NC_002525</a>	14	24497	10431	TnsA NP_065320.1 TnsB NP_065319.1 TnsC NP_065318.1 TnsD NP_065317.1 TnsE NP_065316
<i>Acinetobacter baumannii (SDF)</i>	Gammaproteobacteria	A	<i>attTn7</i>	<a href="#">NC_010400</a>	35	3310924	3276082	TnsA CAP02825.1 TnsB CAP02824.1 TnsC CAP02823.1 TnsD CAP02822.1 TnsE CAP02821.1
<i>Aeromonas salmonicida subsp. salmonicida A449</i>	Gammaproteobacteria	A	<i>attTn7</i>	<a href="#">NC_009348</a>	21	4646261	4625451	TnsA YP_001144004.1 TnsB YP_001144003.1 TnsC YP_001144002.1 TnsD pseudo(gj145297124) TnsE YP_001143999
<i>Shewanella loihica PV-4</i>	Gammaproteobacteria	A	<i>attTn7</i>	<a href="#">NC_009092</a>	21	4568999	4548024	TnsA YP_001095953.1 TnsB YP_001095952.1 TnsC YP_001095951.1 TnsD YP_001095950.1 TnsE YP_001095949
<i>Acinetobacter baumannii ATCC 17978</i>	Gammaproteobacteria	A	chromosome, non- <i>attTn7</i>	<a href="#">NC_009085</a>	45	2944622	2989589	TnsA YP_001085569.1 TnsB YP_001085570.1 TnsC YP_001085571.1 TnsD YP_001085572.1, YP_001085574.1 TnsE YP_001085575
<i>Moritella sp. PE36</i>	Gammaproteobacteria	A	<i>attTn7</i>	<a href="#">NZ_ABCQ01000022.1</a>	32	18747	51006	TnsA ZP_01898871.1 TnsB ZP_01898872.1 TnsC ZP_01898873.1 TnsD ZP_01898874.1 TnsE ZP_01898875
<i>Idiomarina loihiensis L2TR</i>	Gammaproteobacteria	A	<i>attTn7</i>	<a href="#">NC_006512</a>	16	2816674	2800435	TnsA YP_156994.1 TnsB YP_156993.1 TnsC YP_156992.1 TnsD YP_156991.1 TnsE YP_156990
<i>Photobacterium sp. SKA34</i>	Gammaproteobacteria	A	<i>attTn7</i>	<a href="#">NZ_AAOU01000022.1</a>	ND	ND	ND	TnsA ZP_01161191.1 TnsB ZP_01161192.1 TnsC ZP_01161193.1 TnsD ZP_01161194.1
<i>Shewanella baltica OS155</i>	Gammaproteobacteria	A C	<i>attTn7</i> chromosome, non- <i>attTn7</i>	<a href="#">NC_009052</a>	24 ND	5103538 ND	5079635 ND	TnsA YP_001052690.1, YP_001052657.1 TnsB YP_001052689.1, YP_001052656.1 TnsC YP_001052688.1, YP_001052652.1 TnsD YP_001052687.1, YP_001052651.1 TnsE YP_001052686
<i>Shewanella putrefaciens CN-32</i>	Gammaproteobacteria	A	<i>attTn7</i>	<a href="#">NC_009438</a>	21 19	4596246 4575365	4575371 4556489	TnsA YP_001185451.1, pseudo(gj146291111) TnsB YP_001185450.1, YP_001185440.1 TnsC YP_001185449.1, YP_001185439.1 TnsD YP_001185448.1, YP_001185436.1 TnsE YP_001185447, YP_001185435
<i>Shewanella putrefaciens 200</i>	Gammaproteobacteria	A	<i>attTn7</i>	<a href="#">NZ_AAWY01000023.1</a>	unknown	ctg127,12083	ctg126,3652	TnsA ZP_01706553.1 TnsB ZP_01706552.1 TnsC ZP_01706551.1 TnsD ZP_01706550.1 TnsE ZP_01706608
<i>Hahella chejuensis KCTC 2396</i>	Gammaproteobacteria	A	<i>attTn7</i>	<a href="#">NC_007645</a>	46	7193132	7147046	TnsA YP_438104.1 TnsB YP_438103.1 TnsC YP_438102.1 TnsD YP_438101.1 TnsE YP_438100
<i>Acidithiobacillus ferrooxidans ATCC 2327C</i>	Gammaproteobacteria	B B	<i>attTn7</i> chromosome, non- <i>attTn7</i>	<a href="#">CMR-TIGR:243159</a>	31 39	1762162 2900824	1731108 2939832	TnsA AFE1880, AFE3133 TnsB AFE1879, AFE3134 TnsC AFE1878, AFE3133

									TnsD	AFE1877, AFE3132
									TnsE	AFE1876, AFE3131
<i>Rhodobacteriales bacterium H1CC225t</i>	Alphaproteobacteria	A	<i>attTn7</i>	<a href="#">NZ_AAAT01000005.1</a>	ND	ND	ND	TnsA	YP_01448252.1	
								TnsB	YP_01448253.1	
								TnsC	YP_01448254.1	
								TnsD	YP_01448255.1	
<i>Vibrionales bacterium SWAT-3</i>	Gamma proteobacteria	A	<i>attTn7</i>	<a href="#">NZ_AAZW01000012.1</a>	11	116600	105729	TnsA	YP_01813510.1, YP_01815428.1, YP_01813648.1, YP_01814066.1	
		A	chromosome, non- <i>attTn7</i>	<a href="#">NZ_AAZW01000014</a>	11	38142	27364	TnsB	YP_01813509.1, YP_01815427.1, YP_01813647.1, YP_01814065.1	
		A	chromosome, non- <i>attTn7</i>	<a href="#">NZ_AAZW01000044</a>	unknown	39675	unknown	TnsC	YP_01813508.1, YP_01815426.1, YP_01813646.1, YP_01814064.1	
		A	chromosome, non- <i>attTn7</i>	<a href="#">NZ_AAZW01000019</a>	11	38129	27352	TnsD	YP_01813507.1, YP_01815424.1, YP_01815425.1, YP_01813645.1, YP_01814063.1	
								TnsE	YP_01813506, YP_01815423.1, YP_01813644.1, YP_01814062.1	
<i>Anabaena variabilis ATCC 2941t</i>		A	<i>attTn7</i>	<a href="#">NC_007413</a>	26	4324033	4349748	TnsA	YP_323988.1	
								TnsB	YP_323989.1	
								TnsC	YP_323990.1	
								TnsD	YP_323991.1, YP_323997.1	
<i>Pelobacter carbinolicus DSM 2380</i>	Deltaproteobacteria	A	<i>attTn7</i>	<a href="#">NC_007498</a>	25	3428955	3403982	TnsA	YP_358337.1	
								TnsB	YP_358336.1	
								TnsC	YP_358335.1	
								TnsD	YP_358327.1	
								TnsE	YP_358326	
<i>Marinobacter sp. ELB17</i>	Gamma proteobacteria	A	<i>attTn7</i>	<a href="#">NZ_AAXY01000016.1</a>	ND	ND	ND	TnsA	YP_01738582.1	
								TnsB	YP_01738583.1	
								TnsC	YP_01738584.1	
								TnsD	YP_01738598.1	
								TnsE	YP_01738599	
<i>Bacillus cereus ATCC 10987</i>	Firmicutes	B	<i>attTn7</i>	<a href="#">NC_003909</a>	27	159705	187174	TnsA	NP_976510.1, NP_976502.1	
		B	<i>attTn7</i>		11	187178	198135	TnsB	NP_976511.1, NP_976503.1	
								TnsC	NP_976512.1, NP_976504.1	
								TnsD	NP_976513.1, NP_976505.1, AAS39114.1	
								TnsE	NP_976514	
<i>Staphylococcus sp. 693-2</i>	Firmicutes	B	plasmid, pLEW6932	<a href="#">NC_009130</a>	14	30744	17105	TnsA	YP_001096301.1	
								TnsB	YP_001096300.1	
								TnsC	YP_001096299.1	
								TnsD	YP_001096298.1	
								TnsE	YP_001096297	
<i>Herpetosiphon aurantiacus ATCC 23779</i>	Chloroflexi	B	<i>attTn7</i>	<a href="#">NC_009972</a>	ND	ND	ND	TnsA	YP_001546711.1	
								TnsB	pseudo(gij159896533)	
								TnsC	YP_001546712.1	
								TnsD	YP_001546713.1, YP_001546716.1	
<i>Clostridium thermocellum ATCC 27405</i>	Firmicutes	B	chromosome, non- <i>attTn7</i>	<a href="#">NC_009012</a>	ND	ND	ND	TnsA	YP_001037542.1, YP_001038290.1	
		B	chromosome, non- <i>attTn7</i>		ND	ND	ND	TnsB	YP_001037541.1, YP_001038287.1	
								TnsC	YP_001037540.1, YP_001038286.1	
								TnsD	YP_001037539.1, YP_001038285.1	
<i>Burkholderia phymatum STM815</i>	Beta proteobacteria	C	chromosome, non- <i>attTn7</i>	<a href="#">NC_010623</a>	ND	ND	ND	TnsA	YP_01505407.1, YP_01500254.1	
		C	chromosome, non- <i>attTn7</i>		ND	ND	ND	TnsB	YP_01505406.1, YP_01500253.1	
								TnsC	YP_01505405.1, YP_01500252.1	
								TnsD	YP_01505404.1, YP_01505428.1	
<i>Bacillus cereus H3081.97</i>	Firmicutes	B	<i>attTn7</i>	<a href="#">NZ_ABDL01000038.1</a>	12	24658	36935	TnsA	YP_02598971.1	
								TnsB	YP_02598972.1	
								TnsC	YP_02598973.1	
								TnsD	YP_323997.1	
								TnsE	YP_02598974	
<i>Pseudomonas fluorescens Pf0-1</i>	Gamma proteobacteria	C	<i>attTn7</i>	<a href="#">NC_007492</a>	ND	ND	ND	TnsA	YP_351449.1	
								TnsB	YP_351448.1	
								TnsC	YP_351447.1	
								TnsD	YP_351446.1, YP_351445.1	
<i>Herminimonas arsenicoxydans</i>	Beta proteobacteria	C	chromosome, non- <i>attTn7</i>	<a href="#">NC_009138</a>	ND	ND	ND	TnsA	YP_001100471.1	
								TnsB	YP_001100472.1	
								TnsC	YP_001100473.1	
								TnsD	YP_001100474.1	
<i>Nostoc punctiforme PCC 73102</i>	Cyanobacterium	B	chromosome, non- <i>attTn7</i>	<a href="#">NZ_AAAY02000030.1</a>	ND	ND	ND	TnsA	YP_00109788.1	
								TnsB	YP_00109790.1	
								TnsC	YP_00109791.2	
								TnsD	YP_00109794.2	
<i>Clostridium butyricum 5521</i>	Firmicutes	B	<i>attTn7</i>	<a href="#">NZ_ABDT01000003.2</a>	6	70986	77464	TnsA	YP_02623272.1, YP_02623267.1, YP_02623280.1	
		B			15	77464	92891	TnsB	YP_02623273.1, YP_02623268.1, YP_02623281.1	
		B			16	92896	109130	TnsC	YP_02623274.1, YP_02623282.1,	

					unknown	109135	unknown	TnsD TnsE	ZP_02623275.1, ZP_02623276.1, ZP_02623283.1 ZP_02623284.1
<i>Escherichia coli</i> APEC O1	Gammaproteobacteria	C	plasmid, pAPEC-01-R	<a href="#">NC_009838</a>	33	109006	142480	TnsA TnsB TnsC TnsD	ABF67781.1 ABF67782.1 ABF67783.1 ABF67784.1
<i>Serratia marcescens</i>	Gammaproteobacteria	C	plasmid, R478	<a href="#">NC_005211</a>	32	114733	147141	TnsA TnsB TnsC TnsD	NP_941203.1 NP_941204.1 NP_941205.1 NP_941206.1
<i>Ralstonia metallidurans</i> CH34	Betaproteobacteria	C	chromosome II, non-attTn7	<a href="#">NC_007974</a>	ND	ND	ND	TnsA TnsB TnsC TnsD	YP_587587.1 YP_587586.1 YP_587585.1 YP_585913.1, YP_585912
<i>Natronaerobius thermophilus</i> JW/NM-WN-LF	Firmicutes	B	attTn7	<a href="#">NZ_ABKR01000020.1</a>	ND	ND	ND	TnsA TnsB TnsC TnsD TnsE	ZP_02853428.1 ZP_02853427.1 ZP_02853426.1 ZP_02853425 ZP_02853424
<i>Photobacterium</i> sp. SKA34	Gammaproteobacteria	C	chromosome, non-attTn7	<a href="#">NZ_AAQU01000013.1</a>	ND	ND	ND	TnsA TnsB TnsC TnsD	ZP_01160363.1 ZP_01160362.1 ZP_01160359.1 ZP_01160358.1
<i>Hermiimonas arsenicoxydans</i>	Betaproteobacteria	C	chromosome, non-attTn7	<a href="#">NC_009138</a>	ND	ND	ND	TnsA TnsB TnsC TnsD	YP_001101453.1 YP_001101452.1 YP_001101451.1 YP_001101450.1, YP_001101449.1
<i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> A449	Gammaproteobacteria	C	chromosome, non-attTn7	<a href="#">NC_009349</a>	ND	ND	ND	TnsA TnsB TnsC TnsD	YP_001144065.1 YP_001144064.1 YP_001144063.1 YP_001144060.1
<i>Janthinobacterium</i> sp. <i>Marseille</i>	Betaproteobacteria	C	chromosome, non-attTn7	<a href="#">NC_009659</a>	ND	ND	ND	TnsA TnsB TnsC TnsD	YP_001355144.1 YP_001355143.1 YP_001355142.1 YP_001355141.1, YP_001355140.1
<i>Psychromonas ingrahamii</i> 37	Gammaproteobacteria	C	chromosome, non-attTn7	<a href="#">NC_008709</a>	ND	ND	ND	TnsA TnsB TnsC TnsD	YP_944405.1 YP_944404.1 YP_944403.1 YP_944401.1
<i>Rhodoferrax ferrireducens</i> T118	Betaproteobacteria	C	chromosome, non-attTn7	<a href="#">NC_007908</a>	ND	ND	ND	TnsA TnsB TnsC TnsD	YP_522441.1 YP_522442.1 YP_522443.1 YP_522444.1, YP_522330.1, YP_522329.1
<i>Vibrio cholerae</i> RC385	Gammaproteobacteria	C	chromosome, non-attTn7	<a href="#">DS265382.1</a>	ND	ND	ND	TnsA TnsB TnsC TnsD	EDN12385.1 EDN12384.1 EDN12383.1 EDN12382.1
<i>Alteromonadales bacterium</i> TW-7	Gammaproteobacteria	C	chromosome, non-attTn7	<a href="#">NZ_AAVS01000026.1</a>	ND	ND	ND	TnsA TnsB TnsC TnsD	ZP_01614175.1 ZP_01614176.1 ZP_01614177.1 ZP_01614179.1
<i>Burkholderia cenocepacia</i> MC0-3	Betaproteobacteria	C	chromosome, non-attTn7	<a href="#">NZ_AAVA01000005.1</a>	ND	ND	ND	TnsA TnsB TnsC TnsD	ZP_01562008.1 ZP_01562105.1 ZP_01562007.1 ZP_01562104.1
<i>Bacteroides capillosus</i> ATCC 29796	Bacteroidetes	C	chromosome, non-attTn7	<a href="#">NZ_AAXG02000042.1</a>	ND	ND	ND	TnsA TnsB TnsC TnsD	ZP_02038365.1 ZP_02038364.1 ZP_02038363.1 ZP_02038362.1