

Suppl. Table S7. The IscR regulon in alpha-proteobacteria

Organism	Locus ID	Operon	Position	Score	Site
<b>Consensus 1:</b>					<b>CTTGACgrwwwnnnTCrrr</b>
<i>Silicibacter sp.</i>	TM1040_1240	<i>iscR-sufSBCD</i>	-138	5.72	CTTGACGAATTTtaTCcGG
<i>Silicibacter pomeroyi</i>	SPO2025	<i>iscR-sufSBCD</i>	-140	6.09	CTTGACGAATTCcCTCGGG
<i>Rhodobacter sphaeroides</i>	RSP_0443	<i>iscR-sufSBCD</i>	-120	5.13	CTTGACaAAAaCGcTCgga
<i>Rhodobacter capsulatus</i>	001_0477	<i>iscR-sufSBCD</i>	-151	4.01	CTTGACCGtcTCGcTCAtG
<i>Roseobacter sp. MED193</i>	MED193_04321	<i>iscR-sufSBCD</i>	-143	5.58	CTTGACGAATTCcaTCaGc
<i>Roseovarius sp.217</i>	ROS217_20542	<i>iscR-sufSBCD</i>	-119	6.09	CTTGACGAcTTCGCTCGGG
<i>Roseovarius nubinhibens ISM</i>	ISM_16015	<i>iscR-sufSBCD</i>	-148	4.55	CTTGACGgAgcgGCcaGGt
<i>Loktanella vestfoldensis SKA53</i>	SKA53_05183	<i>iscR-sufSBCD</i>	-130	5.36	CTTGACGAAaaCtaTCaGG
<i>Sulfitobacter sp. EE-36</i>	EE36_14302	<i>iscR-sufSBCD</i>	-137	5.69	gTTGACGAATTCGCTaGGG
<i>Oceanicola batsensis HTCC2597</i>	OB2597_03589	<i>iscR-sufSBCD</i>	-133	5.12	CTTGACGAcTTtGgTCaaG
<i>Rhodobacterales bacterium HTCC2654</i>	RB2654_04009	<i>iscR-sufSBCD</i>	-144	4.52	CTTGACtggcTaGacCGGG
<i>Pelagibacter ubique HTCC1002</i>	PU1002_02686	<i>iscR-sufBCDS-fss</i>	-51	4.71	CTTGACtAATTTtagTCaGG
<i>Rhodospirillum rubrum</i>	Rrub02002541	<i>cysE-iscR1-sufS1</i>	-163	4.85	CTTGACcGATTTTcTCGGA
<i>Magnetospirillum magneticum</i>	amb3031	<i>cysE-iscR-sufS</i>	-113	5.09	CTTGACtGGCCTTGTCGGA
<i>Parvularcula bermudensis HTCC2503</i>	PB2503_09884	<i>iscR-sufSBCD</i>	-139	3.66	gTTGACcggAaagGTCgga
<i>Rickettsia conorii</i>	RC0732	<i>iscRSSUA</i>	-42	6.35	ATTGTAGAtATTAAACAAT
<i>Rickettsia sibirica</i>	rsib_orf.1360	<i>iscRSSUA</i>	-75	6.35	ATTGTAGAtATTAAACAAT
<i>Rickettsia prowazekii</i>	RP488	<i>iscRSSUA</i>	-43	5.95	ATTGTAGAcATaAAACAAT
<b>Consensus 2:</b>					<b>tcgGAcyrATtnrGTCynr</b>
<i>Erythrobacter litoralis</i>	ELI0458	<i>iscR-sufB-..</i>	-38	5.46	TCGGAacGATTTgGTCCGA
<i>Erythrobacter sp. NAP1</i>	NAP1_13233	<i>iscR-sufB-..</i>	-59	5.72	TCcGACTGATTCAGTCCGA
<i>Novosphingobium aromaticivorans</i>	Saro02000260	<i>iscR-sufB-..</i>	-64	5.63	cCGGAgTGATTCgGTCCGA
<i>Sphinopyxis alaskensis RB2256</i>	Sala_1236	<i>iscR-sufB-..</i>	-53	4.74	gtGGAgTAATTTAcTctag
<i>Zymomonas mobilis</i>	ZMO0422	<i>iscR-sufB-..</i>	-109	5	TCaGACaAATTTAGTcttg
<i>Gluconobacter oxydans</i>	GOX0099	<i>iscR-sufB-..</i>	-47	4.29	caGGACTtAgcaAGTcttg
	GOX0777	<i>fssA</i>	-7	4.35	TCGGACcAATgCAGTCCcg