

Supplemental Table S1: Strains used in this study

Strains ID	Genotype	Reference
MG1655	MG1655 <i>crl</i> +	S Gottesman lab collection
BTH101	F- <i>cya</i> - 99 <i>araD139 galE15 galK16 rpsL1</i> (StrR) <i>hsdR2 mcrA1 mcrB1 relA1</i>	Karimova et al, 1998
NM801	MG1655 <i>zeo</i> -Cp17- <i>rpoS</i> ₇₅₀ - <i>mCherry</i> at <i>lac</i> site	<i>zeo</i> -Cp17- <i>rpoS</i> ₇₅₀ PCR fragment + NRD1166
NM802	MG1655 <i>zeo</i> -Cp17- <i>rpoS</i> ₄₇₇ - <i>mCherry</i> at <i>lac</i> site	<i>zeo</i> -Cp17- <i>rpoS</i> ₄₇₇ PCR fragment + NRD1166
NM1100	MG1655 <i>mini</i> -λ:: <i>tet Δcrl::IS</i>	MG1655 electroporated with <i>mini</i> -λ:: <i>tet</i>
NRD1116	MG1655 <i>zeo</i> - <i>kan</i> - <i>pBAD-ccdB</i> - <i>mCherry</i> at the <i>lac</i> site <i>mini</i> λ:: <i>tet</i>	Walling et al , 2022
JW0230	BW25113 <i>Δcrl::kan</i>	Keio collection; Baba et al, 2006
JW0232	BW25113 <i>ΔproB::kan</i>	Keio collection; Baba et al, 2006
JW0377	BW25113 <i>ΔproC::kan</i>	Keio collection; Baba et al, 2006
JW1252	BW25113 <i>ΔtrpA::kan</i>	Keio collection; Baba et al, 2006
SG30013	MG1655 <i>zeo</i> -Cp17- <i>rpoS</i> ₇₅₀ - <i>lacZ</i> at <i>lambda</i> site	Zhou and Gottesman, 2006
AB006	MG1655 <i>ΔiraP::Kan</i>	Bougdour et al , 2006
AB011	CRB316 <i>rssA2::cm</i>	Bougdour et al , 2006
AB023	MG1655 <i>iraM::kan</i>	Bougdour et al, 2008
AB046	MG1655 <i>iraD::tet</i>	Bougdour et al, 2008
AB165	MG1655 <i>ΔrpoS::tet</i>	Bougdour et al , 2006
BA124	BTH101 <i>rssA2::cm</i>	P1 (AB011) + BTH101
BA754	MG1655 <i>Zeo</i> -Cp17- <i>rpoS</i> +1(<i>in nlpD</i>)786- <i>lacZ</i> (9th codon)	Majdalani et al , 2023
INH23	MG1655 <i>Δcrl::kan</i>	P1(JW0230) + MG1655
INH24	MG1655 <i>Δcrl::FRT</i>	pCP20 + INH23
INH26	MG1655 <i>Δcrl::FRT ΔiraP::Kan</i>	P1 (AB006) + INH24
INH28	MG1655 <i>zeo</i> -Cp17- <i>rpoS</i> ₇₅₀ - <i>lacZ ΔrpoS::tet</i>	P1 (AB165) + SB30013
AT59	MG1655 <i>Δcrl::IS</i>	S Gottesman lab collection
AT82	MG1655 <i>Δcrl::IS ΔrssB::tet</i>	P1 (BTH101 <i>ΔrssB::tet</i>)+AT59
AT485	NM1100 <i>ΔrssB-N1-168AA::kan-pBAD-Kid mini</i> λ:: <i>tet</i>	<i>ΔrssB-N1-168AA::kan-pBAD-Kid</i> PCR fragment (primers AT249+AT254) + NM1100
AT596	MG1655 <i>rssA2::cm</i>	P1 (BA124) + MG1655
SB55	MG1655 <i>Δcrl::IS zeo</i> - <i>PgadB</i> - <i>mCherry</i> at <i>lac</i> site	<i>PgadB</i> fragment PCR (primers SB14+SB15) + NRD1116
SB66	MG1655 <i>zeo</i> - <i>PgadB</i> - <i>mCherry</i> at <i>lac</i> site	P1 (SB55) + MG1655
SB67	MG1655 <i>ΔrpoS::tet zeo</i> - <i>PgadB</i> - <i>mCherry</i> at <i>lac</i> site	P1 (AB165) + SB66
SB71	BTH101 <i>ΔrpoS::kan ΔrssB::tet</i>	P1 (AT82) + BTH101 <i>ΔrpoS::kan</i>
SB94	MG1655 <i>ΔrssB::tet</i>	P1 (AT82) + MG1655
SB98	NM1100 <i>Δcrl::kan-pBAD-ccdB</i>	<i>Δcrl::kan-pBAD-ccdB</i> PCR fragment (primers SB24+SB39) + NM1100
SB124	MG1655 <i>ΔproB::kan</i>	P1 (JW0232)+MG1655
SB125	MG1655 <i>ΔproC::kan</i>	P1 (JW0377)+MG1655
SB137	NM1100 <i>crl</i> +	gBlock SB-03 + SB98
SB138	NM1100 <i>Δcrl</i>	gBlock SB-02 + SB98
SB139	NM1100 <i>crl</i> - R51A	gBlock SB-01 + SB98
SB147	MG1655 <i>Δcrl</i>	P1 (SB138) + SB124
SB148	MG1655 <i>crl</i> - R51A	P1 (SB139) + SB124
SB150	MG1655 <i>zeo</i> -Cp17- <i>rpoS</i> ₇₅₀ - <i>lacZ ΔrpoS::tet rssA2::cm</i>	P1 (AT596)+ INH28
SB151	MG1655 <i>ΔiraP</i>	P1 (AT596)+ INH28
SB164	MG1655 <i>ΔtrpA::kan</i>	P1 (JW1252)+MG1655
SB173	MG1655 <i>zeo</i> -Cp17- <i>rpoS</i> ₇₅₀ - <i>lacZ ΔrpoS::tet rssA2::cm ΔiraP::kan</i>	P1 (AB006) + SB150
SB174	MG1655 <i>zeo</i> -Cp17- <i>rpoS</i> ₇₅₀ - <i>lacZ ΔrpoS::tet rssA2::cm Δcrl::kan</i>	P1 (INH23) + SB150
SB175	MG1655 <i>zeo</i> -Cp17- <i>rpoS</i> ₇₅₀ - <i>lacZ ΔrpoS::tet ΔiraP::kan</i>	P1 (AB006) + INH28
SB176	MG1655 <i>zeo</i> -Cp17- <i>rpoS</i> ₇₅₀ - <i>lacZ ΔrpoS::tet Δcrl::kan</i>	P1 (INH23) + INH28
SB179	MG1655 <i>zeo</i> -Cp17- <i>rpoS</i> ₇₅₀ - <i>lacZ ΔiraP::kan</i>	P1 (AB006) + SG30013
SB180	MG1655 <i>zeo</i> -Cp17- <i>rpoS</i> ₇₅₀ - <i>lacZ Δcrl::kan</i>	P1 (INH23) + SG30013
SB190	MG1655 <i>rssB</i> - D58A	gBlock SB-10 + AT485
SB192	MG1655 <i>rssB</i> - D58E	gBlock SB-9 + AT485
SB198	MG1655 <i>rssB</i> - D58P	gBlock SB-8 + AT485

Supplemental Table S1: Strains used in this study (continued)

Strains ID	Genotype	Reference
SB212	MG1655 <i>iraP-SPA</i>	Battesti et al, 2015
SB225	MG1655 <i>zeo-Cp17-rpoS₇₅₀-mCherry ΔrssB::tet</i>	P1 (AT82) + NM801
SB226	MG1655 <i>zeo-Cp17-rpoS₇₅₀-mCherry rssA2::cm</i>	P1(AT596) + NM801
SB228	MG1655 <i>zeo-Cp17-rpoS₇₅₀-mCherry Δcrl::kan</i>	P1 (INH23) + NM801
SB230	MG1655 <i>zeo-Cp17-rpoS₇₅₀-mCherry ΔproB::kan</i>	P1(JW0232) + NM801
SB238	MG1655 <i>zeo-Cp17-rpoS₇₅₀-mCherry ΔrpoS::tet</i>	P1 (AB165) + NM801
SB239	MG1655 <i>zeo-Cp17-rpoS₇₅₀-mCherry ΔrpoS::tet Δcrl::kan</i>	P1 (INH23) + SB238
SB242	MG1655 <i>ΔrssB::tet zeo-PgadB -mCherry at lac site</i>	P1 (AT82) + SB66
SB243	MG1655 <i>Δcrl::kan zeo-PgadB -mCherry at lac site</i>	P1 (INH23) + SB66
SB280	MG1655 <i>zeo-Cp17-rpoS₇₅₀-mCherry ΔrpoS::tet Δcrl::kan rssA2::cm</i>	P1(AT596) + SB239
SB281	MG1655 <i>zeo-Cp17-rpoS₇₅₀-mCherry ΔrpoS::tet rssA2::cm</i>	P1(AT596) + SB238
SB282	MG1655 <i>zeo-Cp17-rpoS₇₅₀-mCherry Δcrl::kan rssA2::cm</i>	P1(AT596) + SB228
SB283	MG1655 <i>zeo-Cp17-rpoS₇₅₀-mCherry ΔrssB::tet Δcrl::kan</i>	P1 (INH23) + SB225
SB296	MG1655 <i>ΔrpoS::tet Δcrl::kan zeo-PgadB -mCherry at lac site</i>	P1 (INH23) + SB67
SB297	MG1655 <i>ΔrssB::tet Δcrl::kan zeo-PgadB -mCherry at lac site</i>	P1 (INH23) + SB242
SB298	MG1655 <i>ΔrssB::tet ΔrpoS::kan zeo-PgadB -mCherry at lac site</i>	P1 (<i>ΔrpoS::kan</i>) + SB242
SB364	MG1655 <i>iraD::tet</i>	P1 (AB046) + MG1655
SB365	MG1655 <i>iraD::tet ΔiraP</i>	P1 (AB046) + SB151
SB341	MG1655 <i>zeo-Cp17-rpoS₇₅₀-mCherry crl -R51A</i>	P1(SB148) + SB230
SB437	MG1655 <i>zeo-Cp17-rpoS₄₇₇-mCherry Δcrl::kan</i>	P1(INH23) + NM802
SB439	MG1655 <i>zeo-Cp17-rpoS₄₇₇-mCherry ΔrpoS::tet</i>	P1(AB165) + NM802
SB470	MG1655 <i>ΔssrS::kan</i>	Storz lab collection
SB497	NM1100 <i>Δrsd::kan-pBAD-ccdB Δcrl::IS</i>	<i>Δrsd::kan-pBAD-ccdB</i> fragment PCR (primers SB196+SB197) + NM1100
SB498	NM1100 <i>Δrsd Δcrl::IS</i>	gBlock SB-47+ SB497
SB503	NM1100 <i>Δrsd Δcrl::IS ΔproB::kan</i>	P1 (JW0232) + SB498
SB505	MG1655 <i>Δrsd crl+</i>	P1 (SB137) + SB503
SB539	MG1655 <i>ΔiraM::kan</i>	P1 (AB023) + MG1655
SB540	MG1655 <i>ΔiraP ΔiraM::kan</i>	P1 (AB023) + SB151
SB541	MG1655 <i>ΔiraD::tet ΔiraM::kan</i>	P1 (AB023) + SB364
SB542	MG1655 <i>ΔiraP ΔiraD::tet ΔiraM::kan</i>	P1 (AB023) + SB365