

Table 2. Strains used in this study.

Strain Number	Description	Background Strain	Plasmid Name
β-galactosidase reporter strains			
KRLVS96	LVS Tn7::Ptul4-pdpA 5'UTR-lacZ aphA	LVS	pKR74
KRLVS97	LVS ΔrpsU2 Tn7::Ptul4-pdpA 5'UTR-lacZ aphA	ΔrpsU2	pKR74
KRLVS102	LVS Tn7::Ptul4-pdpA 5'UTR-mut1v1-lacZ aphA	LVS	pKR84
KRLVS106	LVS ΔrpsU2 Tn7::Ptul4-pdpA 5'UTR-mut1v1-lacZ aphA	ΔrpsU2	pKR84
KRLVS110	LVS Tn7::Ptul4-pdpA 5'UTR-mut1v2-lacZ aphA	LVS	pKR85
KRLVS107	LVS ΔrpsU2 Tn7::Ptul4-pdpA 5'UTR-mut1v2-lacZ aphA	ΔrpsU2	pKR85
KRLVS114	LVS Tn7::Ptul4-pdpA 5'UTR-badSD-lacZ aphA	LVS	pKR98
KRLVS117	LVS ΔrpsU2 Tn7::Ptul4-pdpA 5'UTR-badSD-lacZ aphA	ΔrpsU2	pKR98
KRLVS115	LVS Tn7::Ptul4-pdpA 5'UTR-movedSD-lacZ aphA	LVS	pKR99
KRLVS118	LVS ΔrpsU2 Tn7::Ptul4-pdpA 5'UTR-movedSD-lacZ aphA	ΔrpsU2	pKR99
KRLVS112	LVS Tn7::Ptul4-tul4 5'UTR-lacZ aphA	LVS	pKR89
KRLVS111	LVS ΔrpsU2 Tn7::Ptul4-tul4 5'UTR-lacZ aphA	ΔrpsU2	pKR89
KRLVS158	LVS Tn7::Ptul4-pdpA 5'UTR-idealSD-lacZ aphA	LVS	pKR129
KRLVS160	LVS ΔrpsU2 Tn7::Ptul4-pdpA 5'UTR-idealSD-lacZ aphA	ΔrpsU2	pKR129
KRLVS159	LVS Tn7::Ptul4-pdpA 5'UTR-tul4SD-lacZ aphA	LVS	pKR130
KRLVS161	LVS ΔrpsU2 Tn7::Ptul4-pdpA 5'UTR-tul4SD-lacZ aphA	ΔrpsU2	pKR130
pF-GFP reporter strains			
KRLVS180	LVS pF-tul4 UTR-GFP	LVS	pKR145
KRLVS182	LVS ΔrpsU2 pF-tul4 UTR-GFP	ΔrpsU2	pKR145
KRLVS234	LVS Δhfq pF-tul4 UTR-GFP	Δhfq	pKR145
KRLVS181	LVS pF-pdpA UTR-GFP	LVS	pKR146

Strain Number	Description	Background Strain	Plasmid Name
KRLVS183	LVS $\Delta rpsU2$ pF- <i>pdpA</i> UTR-GFP	$\Delta rpsU2$	pKR146
KRLVS236	LVS Δhfq pF- <i>pdpA</i> UTR-GFP	Δhfq	pKR146
KRLVS188	LVS pF- <i>mraY</i> UTR-GFP	LVS	pKR151
KRLVS189	LVS $\Delta rpsU2$ pF- <i>mraY</i> UTR-GFP	$\Delta rpsU2$	pKR151
KRLVS190	LVS pF-FTL_0215UTR-GFP	LVS	pKR152
KRLVS191	LVS $\Delta rpsU2$ pF-FTL_0215UTR-GFP	$\Delta rpsU2$	pKR152
KRLVS199	LVS pF- <i>mraY</i> UTR_mut2-GFP	LVS	pKR156
KRLVS200	LVS $\Delta rpsU2$ pF- <i>mraY</i> UTR_mut2-GFP	$\Delta rpsU2$	pKR156
KRLVS201	LVS pF- <i>mraY</i> UTR_mut3-GFP	LVS	pKR157
KRLVS202	LVS $\Delta rpsU2$ pF- <i>mraY</i> UTR_mut3-GFP	$\Delta rpsU2$	pKR157
KRLVS206	LVS pF- <i>igIA</i> UTR-GFP	LVS	pKR160
KRLVS207	LVS $\Delta rpsU2$ pF- <i>igIA</i> UTR-GFP	$\Delta rpsU2$	pKR160
KRLVS208	LVS pF-FTL_0222UTR-GFP	LVS	pKR161
KRLVS209	LVS $\Delta rpsU2$ pF-FTL_0222UTR-GFP	$\Delta rpsU2$	pKR161
KRLVS210	LVS pF-FTL_0881UTR-GFP	LVS	pKR162
KRLVS211	LVS $\Delta rpsU2$ pF-FTL_0881UTR-GFP	$\Delta rpsU2$	pKR162
KRLVS212	LVS pF-FTL_1093UTR-GFP	LVS	pKR163
KRLVS213	LVS $\Delta rpsU2$ pF-FTL_1093UTR-GFP	$\Delta rpsU2$	pKR163
KRLVS214	LVS pF- <i>mraY</i> UTR_mut5-GFP	LVS	pKR165
KRLVS215	LVS $\Delta rpsU2$ pF- <i>mraY</i> UTR_mut5-GFP	$\Delta rpsU2$	pKR165
KRLVS222	LVS pF- <i>mraY</i> UTR_mut8-GFP	LVS	pKR169
KRLVS223	LVS $\Delta rpsU2$ pF- <i>mraY</i> UTR_mut8-GFP	$\Delta rpsU2$	pKR169
KRLVS228	LVS pF- <i>hfq</i> UTR_short-GFP	LVS	pKR172
KRLVS229	LVS $\Delta rpsU2$ pF- <i>hfq</i> UTR_short-GFP	$\Delta rpsU2$	pKR172
KRLVS243	LVS pF- <i>mraY</i> UTR_mut10-GFP	LVS	pKR175

Strain Number	Description	Background Strain	Plasmid Name
KRLVS244	LVS <i>ΔrpsU2</i> pF- <i>mraY</i> UTR_mut10-GFP	<i>ΔrpsU2</i>	pKR175
KRLVS247	LVS pF- <i>mraY</i> UTR_mut12-GFP	LVS	pKR177
KRLVS248	LVS <i>ΔrpsU2</i> pF- <i>mraY</i> UTR_mut12-GFP	<i>ΔrpsU2</i>	pKR177
KRLVS252	LVS pF- <i>mraY</i> UTR_mut14-GFP	LVS	pKR179
KRLVS253	LVS <i>ΔrpsU2</i> pF- <i>mraY</i> UTR_mut14-GFP	<i>ΔrpsU2</i>	pKR179
KRLVS260	LVS pF- <i>mraY</i> UTR_mut15-GFP	LVS	pKR180
KRLVS261	LVS <i>ΔrpsU2</i> pF- <i>mraY</i> UTR_mut15-GFP	<i>ΔrpsU2</i>	pKR180
KRLVS262	LVS pF- <i>mraY</i> UTR_mut17-GFP	LVS	pKR182
KRLVS263	LVS <i>ΔrpsU2</i> pF- <i>mraY</i> UTR_mut17-GFP	<i>ΔrpsU2</i>	pKR182
KRLVS264	LVS pF- <i>mraY</i> UTR_mut18-GFP	LVS	pKR183
KRLVS265	LVS <i>ΔrpsU2</i> pF- <i>mraY</i> UTR_mut18-GFP	<i>ΔrpsU2</i>	pKR183
Deletion strains			
KMLFT97	LVS <i>Δhfq</i>	LVS	pKL111
VSV-G tagged strains			
KRLVS194	LVS <i>hfq</i> -VSVG	LVS	pKR158
KRLVS195	LVS <i>ΔrpsU2 hfq</i> -VSVG	<i>ΔrpsU2</i>	pKR158