

Table 1. List of strains used in this study.

Strain	Genotype	Source/Reference
RJMP103.5	Wild-type	PLoS Genet. 2013 Jan; 9(1): e1003193.
TNO2A7	<i>nku70::argB, riboB2, pyrG89, pyroA4, veA1</i>	Genetics. 2006 Mar; 172(3): 1557–1566.
RJMP101.19	<i>pyrG89; veA+</i>	PLoS Genet. 2013 Jan; 9(1): e1003193.
TSJA12.1	<i>nku70::argB, pyrG::gpdA(p)::bagA; riboB2, pyroA4, veA1</i>	This Study
TSJA13.1	<i>nku70::argB, ΔbagA:: pyrG; riboB2, pyroA4, veA1</i>	This Study
RSJA6.1	<i>pyrG89; pyrG:: gpdA(p)::bagA</i>	This Study
RSJA7.1	<i>pyrG89; ΔbagA:: pyrG</i>	This Study
RSJA11.1	<i>pyrG::gpdA(p)::bagA; ΔppoA::metG</i>	This Study
RDIT5.8	<i>pyrG89; argB2; veA1; gpdA(p)::ppoA::trpC</i>	J Biol Chem. 2004 Mar 19;279(12):11344-53.
RSJA 14.1	<i>trpC::gpdA(p)::ppoA; ΔbagA::pyrG</i>	This Study
RSJA 18.1	<i>pyrG89; bagA::Flag3x:: trpC:: pyrG</i>	This Study

Table 2. List of Primers used in this study

Name	Primer
SJ OE BAG Nid 5'	agt cgt gca aga aga gga t
SJ OEBAG Primer 1	atggatgagcaatgatggcaac
SJ OEBAG Primer 2	cca att cgc cct ata gtg agt cgt att acg gga ttt ata ata gac cag ccg g
SJ OEBAG Primer 3	cagctaccccgcttgagcagacatcaccatgaccaatctgctcccaca
SJ OEBAG Primer 4	caa cgc atc tgg tgt cac aat
SJ OEBAG Nid 3' Rev	gaa gtc gcc gtt gca gct ct
SJ KOB Primer 2 Rev	cga tat caa gct atc gat acc tcg act cgg att tat aat aga cca gcc ggg
SJ KOB Primer 3 For	gtcgtgcagcctctccgattgtcgaatattaccttaaaccagttaaatt
SJ Nid Bag int F	tcctcacgctctgactgggcttc
SJ Nid Bag int R	gtc tcg tcg tcc aca act tea at
SJ 5' For Nid BAG EcoRI	aacggaattc atggatgagcaatgatggcaac
SJ 3' Rev Nid BAG SpeI	gagt actagt caacgcactctggtgtcacaat
SJ ppoC int F	actacaacccccgcaacctg
SJ ppoC int R	tggtcgtagtggcgtgtagg
SJ Nid Bag pyrG Rev	ggagatcgtcattgcgtgcggaaccgataagataggcgagacc
SJ Bag 5' For	ttccgcacgcaatgagcgatctcc
SJ Bag Pyro Rev	ccttcgggcttcatagtggctctgaaacaatatattgggttatgt
SJ Mut D368 to S	caagtcatgattaaggcgtcgtccattgaagttgtggac
SJ ppoA int Nid F	gccgattcaccaaacctg
SJ ppoA int Nid R	cggatgagagatacgactg

SJ ppoB int F	acatccagccgagatctcg
SJ ppoB int R	cgc atg agg agc ttg tac at
SJ laeA int F	tcagcctccgaaccacccgaagaact
SJ laeA int R	ctccaggggccagcgatagacacgact
SJ velB int F	ttcgctagacagctcattctacg
SJ velB int R	tagtattcgttatccagaccatcg
SJ veA int F	ggaacgagggctcttatcgg
SJ veA int R	tgaagcagaagacatctgattgc
SJ Bag-Flag Rev	atcaccgtcatggtctttgtagtcggcctttgccaccgcatcgacctgat
SJ 3XFlag For	gactacaagaccatgacggtgat
SJ trpC-pyrG For	taagcggccactccacatctccacgagtcgaggtatcgatagcttgatat
SJ TrpC term Rev	gtggagatgtggagtgggcgctta