

S1 Table: Plasmids used in this study.

Plasmid	Characteristics	Reference
pBAD24	Expression vector, arabinose inducible promoter, Amp ^R	[14]
pBAD24-His- <i>pluR</i>	<i>pluR</i> (<i>plu4562</i>) in pBAD24 with N-terminal His-tag	[6]
pBAD24-His- <i>pluR</i> -T62W	Substitution of T62W in <i>pluR</i> (<i>plu4562</i>) in pBAD24	This study
pBAD24-His- <i>pluR</i> -Y66A	Substitution of Y66A in <i>pluR</i> (<i>plu4562</i>) in pBAD24	[6]
pBAD24-His- <i>pluR</i> -D75A	Substitution of D75A in <i>pluR</i> (<i>plu4562</i>) in pBAD24	[6]
pBAD24-His- <i>pluR</i> -D75N	Substitution of D75N in <i>pluR</i> (<i>plu4562</i>) in pBAD24	This study
pBAD24-His- <i>pluR</i> -D75E	Substitution of D75E in <i>pluR</i> (<i>plu4562</i>) in pBAD24	This study
pBAD24-His- <i>pluR</i> -Q76P	Substitution of Q76P in <i>pluR</i> (<i>plu4562</i>) in pBAD24	This study
pBAD24-His- <i>pluR</i> -C90W	Substitution of C90W in <i>pluR</i> (<i>plu4562</i>) in pBAD24	This study
pBAD24-His- <i>pluR</i> -S115G	Substitution of S115G in <i>pluR</i> (<i>plu4562</i>) in pBAD24	This study
pBAD24-His- <i>pauR</i>	<i>pauR</i> (<i>pau_04062</i>) in pBAD24 with N-terminal His-tag	[5]
pBAD24-His- <i>pauR</i> -S38A	Substitution of S38A in <i>pauR</i> (<i>pau_04062</i>) in pBAD24	This study
pBAD24-His- <i>pauR</i> -Y40A	Substitution of Y40A in <i>pauR</i> (<i>pau_04062</i>) in pBAD24	This study
pBAD24-His- <i>pauR</i> -Y40F	Substitution of Y40F in <i>pauR</i> (<i>pau_04062</i>) in pBAD24	This study
pBAD24-His- <i>pauR</i> -T62A	Substitution of T62A in <i>pauR</i> (<i>pau_04062</i>) in pBAD24	[5]
pBAD24-His- <i>pauR</i> -Y66A	Substitution of Y66A in <i>pauR</i> (<i>pau_04062</i>) in pBAD24	[5]
pBAD24-His- <i>pauR</i> -D75A	Substitution of D75A in <i>pauR</i> (<i>pau_04062</i>) in pBAD24	[5]
pBAD24-His- <i>pauR</i> -D75E	Substitution of D75E in <i>pauR</i> (<i>pau_04062</i>) in pBAD24	This study
pBAD24-His- <i>pauR</i> -D75N	Substitution of D75N in <i>pauR</i> (<i>pau_04062</i>) in pBAD24	This study
pBAD24-His- <i>pauR</i> -Q76A	Substitution of Q76A in <i>pauR</i> (<i>pau_04062</i>) in pBAD24	This study
pBAD24-His- <i>pauR</i> -Y90A	Substitution of Y90A in <i>pauR</i> (<i>pau_04062</i>) in pBAD24	This study
pBAD24-His- <i>pauR</i> -I113A	Substitution of I113A in <i>pauR</i> (<i>pau_04062</i>) in pBAD24	This study
pBBR1-MCS5-TT-RBS- <i>lux</i>	<i>luxCDABE</i> and terminators lambda T0 rrnB1 T1 cloned into pBBR1-MCS5 for plasmid-based	[25]

	transcriptional fusions; Gm ^R	
pBBR1-P <i>pcfA</i> _{P.i.} - <i>lux</i>	<i>pcfA</i> (<i>plu4568</i>) promoter in pBBR1-MCS5-TT-RBS- <i>lux</i>	[6]
pBBR1-P <i>pcfA</i> _{P.a.} - <i>lux</i>	<i>pcfA</i> (<i>pau_04068</i>) promoter in pBBR1-MCS5-TT-RBS- <i>lux</i>	[5]