

**TableS3: Global regulators differentially expressed in  $\Delta rpoN$** 

Locus tag	Gene Name	Description	Stationary phase		Induction condition	
			log2FC	P-adj value	log2FC	P-adj value
YPK_0452	<i>fis</i>	Transcriptional regulator, Fis	0.5	0.0146	4.3	0.0000
YPK_0634	<i>rpoD</i>	RNA polymerase sigma factor RpoD ( $\sigma^{70}$ )	-0.1	0.1663	2.3	0.0000
YPK_1182	<i>rpoE</i>	RNA polymerase sigma factor RpoE ( $\sigma^{24}$ )	-0.5	0.0000	-2.1	0.0000
YPK_2269	<i>luxR</i>	Two component LuxR family, FimZ	-0.1	0.5094	-1.8	0.0000
YPK_3425	<i>rpoS</i>	RNA polymerase sigma factor RpoS ( $\sigma^{38}$ )	0.4	0.0000	-1.3	0.0000
YPK_3976	<i>rpoH</i>	RNA polymerase factor RpoH ( $\sigma^{32}$ )	0.6	0.0000	2.6	0.0000
YPK_4132	<i>cpxR</i>	DNA-binding transcriptional regulator, CpxR	0.9	0.0000	2.0	0.0000
YPK_0001	<i>dnaA</i>	Chromosomal replication initiation protein, DnaA	0.7	0.0000	-0.1	0.8541
YPK_0248	<i>crp/fnr</i>	CRP/FNR family transcriptional regulator, Crp	-0.59	0.0000	-1.61	0.0000
YPK_1745	<i>flhD</i>	Transcriptional activator FlhD	-2.2	0.0000	-1.8	0.0000
YPK_1746	<i>flhC</i>	Transcriptional activator FlhC	-1.9	0.0000	-1.4	0.0000
YPK_1876	<i>rovA</i>	Transcriptional regulator, SlyA	-2.9	0.0000	-1.9	0.0000
YPK_1902	<i>tyrR</i>	DNA-binding transcriptional regulator, TyrR	0.0	0.8662	0.8	0.0010
YPK_2074	<i>hns</i>	DNA-binding protein, H-NS	-0.08	0.6141	-0.85	0.0078
YPK_2380	<i>fliA</i>	RNA polymerase sigma factor RpoD ( $\sigma^{28}$ )	-2.97	0.0000	-1.74	0.0001
YPK_2385	<i>araC</i>	AraC family transcriptional regulator, AraC	-1.7	0.0000	-1.4	0.0001
YPK_3223	<i>asnC</i>	Lrp/AsnC family transcriptional regulator, AsnC	-0.63	0.0018	-0.57	0.0135
YPK_3372	<i>csrA</i>	Carbon storage regulator, CsrA	-0.12	0.5625	0.13	0.6673
YPK_3606	<i>arcA</i>	Aerobic respiration control protein, ArcA	-0.28	0.0790	-0.27	0.8555
YPK_3731	<i>nusA</i>	Termination/antitermination protein, NusA	0.0	0.9407	1.4	0.0000
YPK_4034	<i>rho</i>	Transcription termination factor, Rho	0.5	0.0000	1.4	0.0000