

S3 Table: Global transcriptomic analysis of a $\Delta nrdR$ mutant strain compared with *P. aeruginosa* PAO1 wild-type strain grown anaerobically. List of all differentially regulated genes identified (more than 1.5-fold change in expression).

ID	Gene	Operon arrangement	Log2 Fold Change	Gene Product
PA5507		<i>PA5506-PA5507-pauA7-PA5509</i>	3.2	Hypothetical protein
PA5509		<i>PA5506-PA5507-pauA7-PA5509</i>	2.98	Hypothetical protein
PA4058		<i>PA4058-PA4059-PA4060</i>	2.23	Hypothetical protein
PA1718	<i>pscE</i>	<i>exsD-pscBCDEFGHIJKL</i>	2.23	Type III export protein PscE
PA1984	<i>exaC</i>	<i>exaB-exaC</i>	2.13	Hypothetical protein
PA0713			2.03	Hypothetical protein
PA1556	<i>ccoO2</i>	<i>ccoN2-ccoO2</i>	1.90	Hypothetical protein
PA1073	<i>braD</i>	<i>braD-braE-braF-braG</i>	1.79	Branched-chain amino acid transport protein BraD
PA1337	<i>ansB</i>	<i>ansB-PA1336-PA1335</i>	1.77	Glutaminase-asparaginase
PA1340			1.76	Hypothetical protein
PA1555	<i>ccoP2</i>		1.75	Hypothetical protein
PA0958	<i>oprD</i>		1.7	Basic amino acid, basic peptide and imipenem outer membrane porin OprD precursor
PA1072	<i>braE</i>	<i>braD-braE-braF-braG</i>	1.69	Branched-chain amino acid transport protein BraE
PA1070	<i>braG</i>	<i>braD-braE-braF-braG</i>	1.68	Branched-chain amino acid transport protein BraG
PA5506		<i>PA5506-PA5507-pauA7-PA5509</i>	1.67	Hypothetical protein

PA1341		<i>PA1341-PA1340-PA1339</i>	1.63	Hypothetical protein
PA2436		<i>PA2436-PA2435-PA2434</i>	1.62	Hypothetical protein
PA1596	<i>htpG</i>	<i>htpG-PA1597</i>	1.57	Heat shock protein HtpG
PA3842	<i>spcS</i>	<i>spcS-PA3843</i>	1.56	Hypothetical protein
PA1339		<i>PA1341-PA1340-PA1339</i>	1.54	Hypothetical protein
PA4587	<i>ccpR</i>		1.54	Cytochrome c551 peroxidase precursor
PA1338	<i>ggt</i>		1.53	Gamma-glutamyltranspeptidase precursor
PA1571			1.53	Hypothetical protein
PA0026	<i>plcB</i>	<i>plcB-PA0027-PA0028</i>	-1.50	Phospholipase C, PlcB
PA5107	<i>blc</i>	<i>fbp-PA5109-PA5108-blc</i>	-1.50	Outer membrane lipoprotein Blc
PA0612	<i>ptrB</i>	<i>ptrB-PA0613</i>	-1.54	Transcriptional regulators
PA0909		<i>PA0908-PA0909</i>	-1.54	Membrane proteins
PA0462		<i>PA0462-creB-creC</i>	-1.55	Hypothetical, unclassified, unknown
PA3720		<i>PA3720-armR</i>	-1.55	Hypothetical, unclassified, unknown
PA5526			-1.55	Hypothetical, unclassified, unknown
PA4817		<i>PA4816-PA4817</i>	-1.56	Hypothetical, unclassified, unknown
PA5217		<i>PA5218-PA5217-PA5216</i>	-1.58	Transport of small molecules
PA0490		<i>PA0491-PA0490</i>	-1.59	Hypothetical, unclassified, unknown
PA5212			-1.60	Hypothetical, unclassified, unknown
PA3616		<i>recA-PA3616</i>	-1.61	Hypothetical, unclassified, unknown

PA0284			-1.68	Hypothetical, unclassified, unknown
PA0327			-1.69	Hypothetical, unclassified, unknown
PA4515		<i>PA4515-PA4516</i>	-1.72	Hypothetical, unclassified, unknown
PA3413		<i>PA3413-PA3414</i>	-1.73	Hypothetical, unclassified, unknown
PA0529			-1.79	Hypothetical, unclassified, unknown
PA3008		<i>lexA-PA3008</i>	-1.81	Hypothetical, unclassified, unknown
PA0130	<i>bauC</i>	<i>bauA-bauB-bauC</i>	-1.83	Carbon compound catabolism
PA3007	<i>lexA</i>	<i>lexA-PA3008</i>	-1.88	Repressor protein LexA
PA0922			-1.89	Hypothetical, unclassified, unknown
PA3268			-1.91	Membrane proteins
PA0132	<i>bauA</i>	<i>bauA-bauB-bauC</i>	-1.92	Amino acid biosynthesis and metabolism
PA0132	<i>recA</i>	<i>recA-PA3616</i>	-1.96	RecA protein
PA0131	<i>bauB</i>	<i>bauA-bauB-bauC</i>	-2.01	Carbon compound catabolism
PA0283	<i>sbp</i>		-2.01	Sulfate-binding protein precursor
PA0204		<i>PA0206-PA0205-PA0204-PA0203</i>	-2.17	Membrane proteins/Transport of small molecules
PA0622		<i>PA0622-PA0623-PA0624</i>	-2.18	Related to phage, transposon, or plasmid
PA2813		<i>PA2813-PA2812-PA2811</i>	-2.24	Central intermediary metabolism
PA0911			-2.32	Hypothetical, unclassified, unknown
PA4195		<i>PA4195-PA4194-PA4193-PA4192-PA4191</i>	-2.33	Transport of small molecules
PA3445			-2.34	Hypothetical, unclassified, unknown

PA0621		<i>PA0617-PA0618-PA0619-PA0620-PA0621</i>	-2.4	Related to phage, transposon, or plasmid
PA5525		<i>PA5524-PA5525</i>	-2.42	Transcriptional regulators
PA0641			-2.44	Related to phage, transposon, or plasmid
PA0807	<i>ampDh3</i>		-2.44	Antibiotic resistance and susceptibility
PA3866			-2.45	Secreted Factors (toxins, enzymes, alginate)
PA0646		<i>PA0646-PA0647-PA0648</i>	-2.48	Hypothetical, unclassified, unknown
PA3931			-2.48	Hypothetical, unclassified, unknown
PA0610	<i>prtN</i>		-2.49	Transcriptional regulator PrtN
PA0633		<i>PA0633-PA0634-PA0635</i>	-2.52	Related to phage, transposon, or plasmid
PA0203		<i>PA0206-PA0205-PA0204-PA0203</i>	-2.59	Transport of small molecules
PA1150	<i>pys2</i>		-2.62	Pyocin S2
PA0642			-2.63	Related to phage, transposon, or plasmid
PA0648		<i>PA0646-PA0647-PA0648</i>	-2.63	Related to phage, transposon, or plasmid
PA0615		<i>PA0614-PA0615-PA0616</i>	-2.67	Hypothetical, unclassified, unknown
PA0647		<i>PA0646-PA0647-PA0648</i>	-2.68	Related to phage, transposon, or plasmid
PA0623		<i>PA0622-PA0623-PA0624</i>	-2.71	Related to phage, transposon, or plasmid
PA4763	<i>recN</i>		-2.71	DNA repair protein RecN
PA0644		<i>PA0643-PA0644-PA0645</i>	-2.72	Related to phage, transposon, or plasmid
PA0910			-2.72	Hypothetical, unclassified, unknown
PA0616		<i>PA0614-PA0615-PA0616</i>	-2.73	Related to phage, transposon, or plasmid

PA0619		<i>PA0617-PA0618-PA0619-PA0620-PA0621</i>	-2.74	Related to phage, transposon, or plasmid
PA2485		<i>PA2485-PA2486</i>	-2.77	Hypothetical, unclassified, unknown
PA0626		<i>PA0625-PA0626-PA0627</i>	-2.78	Related to phage, transposon, or plasmid
PA0620		<i>PA0617-PA0618-PA0619-PA0620-PA0621</i>	-2.79	Related to phage, transposon, or plasmid
PA0625		<i>PA0625-PA0626-PA0627</i>	-2.84	Related to phage, transposon, or plasmid
PA0320		<i>PA0319-PA0320</i>	-2.85	Hypothetical, unclassified, unknown
PA0613		<i>ptrB-PA0613</i>	-2.87	Hypothetical, unclassified, unknown
PA0629		<i>PA0628-PA0629-PA0630-PA0631-PA0632</i>	-2.87	Related to phage, transposon, or plasmid
PA0639		<i>PA0636-PA0637-PA0638-PA0639-PA0640</i>	-2.93	Related to phage, transposon, or plasmid
PA2486		<i>PA2485-PA2486</i>	-2.94	Hypothetical, unclassified, unknown
PA3446			-2.95	Hypothetical, unclassified, unknown
PA0624		<i>PA0622-PA0623-PA0624</i>	-2.96	Related to phage, transposon, or plasmid
PA0637		<i>PA0636-PA0637-PA0638-PA0639-PA0640</i>	-2.96	Related to phage, transposon, or plasmid
PA3938		<i>PA3938-PA3937-PA3936</i>	-2.97	Transport of small molecules
PA2494	<i>mexF</i>	<i>mexE-mexF-oprN</i>	-3.01	Resistance-Nodulation-Cell Division (RND) multidrug efflux transporter MexF
PA0632		<i>PA0628-PA0629-PA0630-PA0631-PA0632</i>	-3.06	Related to phage, transposon, or plasmid
PA0635		<i>PA0633-PA0634-PA0635</i>	-3.13	Related to phage, transposon, or plasmid
PA0645		<i>PA0643-PA0644-PA0645</i>	-3.13	Related to phage, transposon, or plasmid
PA0627		<i>PA0625-PA0626-PA0627</i>	-3.15	Related to phage, transposon, or plasmid

PA0638		<i>PA0636-PA0637-PA0638-PA0639-PA0640</i>	-3.16	Related to phage, transposon, or plasmid
PA0640		<i>PA0636-PA0637-PA0638-PA0639-PA0640</i>	-3.17	Related to phage, transposon, or plasmid
PA0628		<i>PA0628-PA0629-PA0630-PA0631-PA0632</i>	-3.21	Related to phage, transposon, or plasmid
PA0634		<i>PA0633-PA0634-PA0635</i>	-3.21	Related to phage, transposon, or plasmid
PA0643		<i>PA0643-PA0644-PA0645</i>	-3.21	Related to phage, transposon, or plasmid
PA0617		<i>PA0617-PA0618-PA0619-PA0620-PA0621</i>	-3.33	Related to phage, transposon, or plasmid
PA0636		<i>PA0636-PA0637-PA0638-PA0639-PA0640</i>	-3.41	Related to phage, transposon, or plasmid
PA0618		<i>PA0617-PA0618-PA0619-PA0620-PA0621</i>	-3.46	Related to phage, transposon, or plasmid
PA3229			-3.51	Hypothetical, unclassified, unknown
PA2484			-3.55	Hypothetical, unclassified, unknown
PA4881			-3.77	Hypothetical, unclassified, unknown
PA0985	<i>pyoS5</i>		-3.9	Membrane proteins/Secreted Factors (toxins, enzymes, alginate)
PA2491	<i>mexS</i>		-4.69	Negative regulation of secondary metabolite biosynthetic process
