

Table S3: Full list of downregulated genes (fold change ≥ 1.5) in response to 20 $\mu\text{g/ml}$ LL-37 compared to non-treated *P. aeruginosa* PAO1

PA number	Gene name	Function class	Fold change
PA0026	<i>plcB</i>	Hypothetical, unclassified, unknown	-1.9
PA0115		Hypothetical, unclassified, unknown	-1.5
PA0277		Hypothetical, unclassified, unknown	-1.7
PA0347	<i>glpQ</i>	Fatty acid and phospholipid metabolism	-3.6
PA0450		Membrane proteins; Transport of small molecules	-1.5
PA0603		Transport of small molecules	-2.2
PA0604		Transport of small molecules	-2.4
PA0605		Membrane proteins; Transport of small molecules	-2.6
PA0606		Membrane proteins; Transport of small molecules	-1.8
PA0674		Transcriptional regulators	-5.1
PA0675		Transcriptional regulators	-3.4
PA0676		Membrane proteins; Transcriptional regulators	-1.9
PA0679		Hypothetical, unclassified, unknown	-2.1
PA0681		Protein secretion/export apparatus	-2.3
PA0682		Protein secretion/export apparatus	-1.7
PA0683		Protein secretion/export apparatus	-1.5
PA0685		Protein secretion/export apparatus	-2.2
PA0688		Transport of small molecules	-2.8
PA0691		Hypothetical, unclassified, unknown	-6.0
PA0692		Hypothetical, unclassified, unknown	-3.0
PA0693	<i>exbB2</i>	Membrane proteins; Transport of small molecules	-6.4
PA0694	<i>exbD2</i>	Membrane proteins; Transport of small molecules	-2.2

PA0696		Hypothetical, unclassified, unknown	-3.6
PA0697		Hypothetical, unclassified, unknown	-2.4
PA0698		Hypothetical, unclassified, unknown	-2.6
PA0730		Putative enzymes	-2.3
PA0750	<i>ung</i>	DNA replication, recombination, modification and repair	-1.5
PA0775		Hypothetical, unclassified, unknown	-1.6
PA0842		Putative enzymes	-2.9
PA0975		Putative enzymes	-1.5
PA0979		Related to phage, transposon, or plasmid	-2.0
PA1004	<i>nadA</i>	Amino acid biosynthesis and metabolism; Biosynthesis of cofactors, prosthetic groups and carriers	-1.5
PA1014		Putative enzymes	-1.5
PA1051		Membrane proteins; Transport of small molecules	-3.3
PA1052		Hypothetical, unclassified, unknown	-1.7
PA1078	<i>flgC</i>	Cell wall / LPS / capsule; Motility & Attachment	-1.5
PA1081	<i>flgF</i>	Cell wall / LPS / capsule; Motility & Attachment	-1.5
PA1082	<i>flgG</i>	Cell wall / LPS / capsule; Motility & Attachment	-1.6
PA1083	<i>flgH</i>	Cell wall / LPS / capsule; Motility & Attachment	-1.5
PA1116		Hypothetical, unclassified, unknown	-2.5
PA1134		Hypothetical, unclassified, unknown	-1.7
PA1190		Membrane proteins	-2.8
PA1225		Putative enzymes	-1.5
PA1299		Hypothetical, unclassified, unknown	-1.5
PA1325		Hypothetical, unclassified, unknown	-1.5
PA1326	<i>ilvA2</i>	Amino acid biosynthesis and metabolism	-1.5
PA1327		Putative enzymes	-1.5

PA1383		Hypothetical, unclassified, unknown	-1.6
PA1606		Hypothetical, unclassified, unknown	-4.9
PA1607		Hypothetical, unclassified, unknown	-1.6
PA1632	<i>kdpF</i>	Transport of small molecules	-2.1
PA1633	<i>kdpA</i>	Transport of small molecules	-2.6
PA1634	<i>kdpB</i>	Transport of small molecules	-2.2
PA1635	<i>kdpC</i>	Transport of small molecules	-2.0
PA1636	<i>kdpD</i>	Two-component regulatory systems	-2.0
PA1654		Putative enzymes	-1.5
PA1706	<i>pcrV</i>	Protein secretion/export apparatus	-1.5
PA1839		Hypothetical, unclassified, unknown	-1.5
PA1863	<i>modA</i>	Transport of small molecules	-1.6
PA1882		Membrane proteins; Transport of small molecules	-1.6
PA1913		Hypothetical, unclassified, unknown	-1.6
PA2022		Putative enzymes	-2.7
PA2203		Membrane proteins; Transport of small molecules	-1.6
PA2306		Membrane proteins; Secreted Factors (toxins, enzymes, alginate)	-1.7
PA2381		Hypothetical, unclassified, unknown	-1.6
PA2427		Hypothetical, unclassified, unknown	-2.3
PA2428		Hypothetical, unclassified, unknown	-3.1
PA2548		Hypothetical, unclassified, unknown	-3.8
PA2635		Hypothetical, unclassified, unknown	-5.5
PA2654		Adaptation, Protection; Chemotaxis	-1.9
PA2803		Hypothetical, unclassified, unknown	-3.2
PA2804		Hypothetical, unclassified, unknown	-3.5
PA2850	<i>ohr</i>	Adaptation, Protection	-2.0

PA2880		Hypothetical, unclassified, unknown	-1.5
PA2881		Transcriptional regulators; Two-component regulatory systems	-4.8
PA2882		Two-component regulatory systems	-3.1
PA3116		Amino acid biosynthesis and metabolism	-1.6
PA3120	<i>leuD</i>	Amino acid biosynthesis and metabolism	-1.6
PA3219		Hypothetical, unclassified, unknown	-5.3
PA3250		Hypothetical, unclassified, unknown	-1.6
PA3251		Hypothetical, unclassified, unknown	-1.6
PA3258		Hypothetical, unclassified, unknown	-4.8
PA3278		Membrane proteins	-1.8
PA3279	<i>oprP</i>	Transport of small molecules	-5.5
PA3280	<i>oprO</i>	Transport of small molecules	-8.2
PA3296	<i>phoA</i>	Central intermediary metabolism	-6.7
PA3319	<i>plcN</i>	Secreted Factors (toxins, enzymes, alginate)	-5.9
PA3368		Putative enzymes	-2.8
PA3371		Hypothetical, unclassified, unknown	-1.6
PA3374		Transport of small molecules	-1.6
PA3375		Transport of small molecules	-2.0
PA3376		Transport of small molecules	-1.7
PA3377		Transport of small molecules	-2.3
PA3378		Transport of small molecules	-2.7
PA3379		Transport of small molecules	-2.6
PA3380		Transport of small molecules	-2.8
PA3381		Transcriptional regulators	-3.5
PA3382	<i>phnE</i>	Membrane proteins; Transport of small molecules	-8.3
PA3383		Transport of small molecules	-7.6

PA3384	<i>phnC</i>	Transport of small molecules	-7.9
PA3432		Membrane proteins	-1.6
PA3436		Hypothetical, unclassified, unknown	-1.9
PA3443		Membrane proteins; Transport of small molecules	-1.6
PA3531	<i>bfrB</i>	Transport of small molecules; Adaptation, Protection	-1.9
PA3841	<i>exoS</i>	Secreted Factors (toxins, enzymes, alginate)	-1.6
PA3909		Hypothetical, unclassified, unknown	-3.6
PA3910		Nucleotide biosynthesis and metabolism; Secreted Factors (toxins, enzymes, alginate)	-7.1
PA3925		Putative enzymes	-1.5
PA3990		Hypothetical, unclassified, unknown	-3.0
PA4138	<i>tyrS</i>	Amino acid biosynthesis and metabolism; Translation, post-translational modification, degradation	-2.0
PA4307	<i>pctC</i>	Adaptation, Protection; Chemotaxis	-2.0
PA4335		Hypothetical, unclassified, unknown	-1.6
PA4350		Fatty acid and phospholipid metabolism	-8.6
PA4351		Fatty acid and phospholipid metabolism; Fatty acid and phospholipid metabolism	-10.4
PA4443	<i>cysD</i>	Central intermediary metabolism; Amino acid biosynthesis and metabolism	-1.5
PA4582		Hypothetical, unclassified, unknown	-1.9
PA4583		Hypothetical, unclassified, unknown	-2.1
PA4635		Hypothetical, unclassified, unknown	-2.4
PA4656		Hypothetical, unclassified, unknown	-1.7
PA4658		Hypothetical, unclassified, unknown	-1.5
PA4821		Membrane proteins; Transport of small molecules	-2.2
PA4822		Membrane proteins	-1.6

PA4823		Hypothetical, unclassified, unknown	-1.5
PA4826		Hypothetical, unclassified, unknown	-1.5
PA4844		Adaptation, Protection; Chemotaxis	-4.2
PA4985		Hypothetical, unclassified, unknown	-1.6
PA5082		Transport of small molecules	-2.0
PA5297	<i>poxB</i>	Central intermediary metabolism; Energy metabolism	-1.7
PA5360	<i>phoB</i>	Transcriptional regulators; Two-component regulatory systems	-2.6
PA5361	<i>phoR</i>	Two-component regulatory systems	-1.7
PA5365	<i>phoU</i>	Membrane proteins; Transcriptional regulators	-1.6
PA5366	<i>pstB</i>	Membrane proteins; Transport of small molecules	-1.8
PA5367	<i>pstA</i>	Membrane proteins; Transport of small molecules	-2.2
PA5368	<i>pstC</i>	Membrane proteins; Transport of small molecules	-2.0
PA5369		Transport of small molecules	-1.9
PA5389		Transcriptional regulators	-1.5
PA5436		Central intermediary metabolism	-1.6
