

Supplementary data for the article:

Izrael-Živković, L.; Beškoski, V.; Rikalović, M.; Kazazić, S.; Shapiro, N.; Woyke, T.; Gojgić-Cvijović, G.; Vrvić, M. M.; Maksimović, N.; Karadžić, I. High-Quality Draft Genome Sequence of *Pseudomonas Aeruginosa* San Ai, an Environmental Isolate Resistant to Heavy Metals. *Extremophiles* **2019**, *23* (4), 399–405. <https://doi.org/10.1007/s00792-019-01092-w>.

**Supplementary Table 4. Putative proteins involved in peptidoglycan and glycolipid biosynthesis**

<b>Gene Product Name</b>	<b>Locus Tag</b>
<b>Peptoglycan biosynthesis</b>	
D-alanine--D-alanine ligase	K260DRAFT_3577
D-alanyl-D-alanine carboxypeptidase / D-alanyl-D-alanine-endopeptidase (penicillin-binding protein 4)	K260DRAFT_2246
monofunctional biosynthetic peptidoglycan transglycosylase	K260DRAFT_5845
penicillin-binding protein 1A	K260DRAFT_5568
penicillin-binding protein 1B	K260DRAFT_6401
penicillin-binding protein 6. Serine peptidase. MEROPS family S11	K260DRAFT_2699
peptidoglycan glycosyltransferase /cell elongation-specific peptidoglycan D,D-transpeptidase	K260DRAFT_2695
peptidoglycan synthetase FtsI	K260DRAFT_1214
peptidoglycan synthetase FtsI	K260DRAFT_3569
Phospho-N-acetylmuramoyl-pentapeptide-transferase	K260DRAFT_3572
putative peptidoglycan lipid II flippase	K260DRAFT_6577
UDP-N-acetylglucosamine 1-carboxyvinyltransferase	K260DRAFT_3536
UDP-N-acetylglucosamine-N-acetylmuramylpentapeptide N-acetylglucosamine transferase	K260DRAFT_3575
UDP-N-acetylmuramate dehydrogenase	K260DRAFT_2174
UDP-N-acetylmuramate--L-alanine ligase	K260DRAFT_3576
UDP-N-acetylmuramoyl-tripeptide--D-alanyl-D-alanine ligase	K260DRAFT_3571
UDP-N-acetylmuramoylalanine--D-glutamate ligase	K260DRAFT_3573
UDP-N-acetylmuramoylalanyl-D-glutamate--2,6-diaminopimelate ligase	K260DRAFT_3570
undecaprenyl-diphosphatase	K260DRAFT_0825
undecaprenyl-diphosphatase	K260DRAFT_0727
<b>Glycolipid biosynthesis</b>	
2-dehydro-3-deoxyphosphooctonate aldolase (KDO 8-P synthase)	K260DRAFT_3145
3-deoxy-D-manno-octulosonate 8-phosphate phosphatase (KDO 8-P phosphatase)	K260DRAFT_3527
3-deoxy-D-manno-octulosonic-acid transferase	K260DRAFT_5627

3-deoxy-manno-octulosonate cytidyltransferase (CMP-KDO synthetase)	K260DRAFT_2176
acyl-[acyl-carrier-protein]-UDP-N-acetylglucosamine O-acyltransferase	K260DRAFT_3137
	K260DRAFT_2552
ADP-glyceromanno-heptose 6-epimerase precursor	K260DRAFT_3528
arabinose-5-phosphate isomerase	K260DRAFT_0337
D-alpha,beta-D-heptose 1,7-bisphosphate phosphatase	K260DRAFT_5618
D-alpha,beta-D-heptose 7-phosphate 1-kinase /D-beta-D-heptose 1-phosphate adenylyltransferase	K260DRAFT_5605
heptose I phosphotransferase	K260DRAFT_3468
heptose-I-phosphate ethanolaminephosphotransferase	K260DRAFT_5603
heptosyltransferase-1	K260DRAFT_5602
heptosyltransferase-2	K260DRAFT_2177
hypothetical protein	K260DRAFT_0342
KDO2-lipid IV(A) lauroyltransferase	K260DRAFT_2445
KDO2-lipid IV(A) lauroyltransferase	K260DRAFT_2178
lipid-A-disaccharide kinase	K260DRAFT_3138
lipid-A-disaccharide synthase	K260DRAFT_3561
phosphoheptose isomerase	K260DRAFT_3135
UDP-3-O-[3-hydroxymyristoyl] glucosamine N-acyltransferase	

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