S7 Table. Expression values of putative FadE homologs in *P. putida* LS46 grown in waste fatty acids (WFA) cultures during exponential phase, and variations in their expression levels under two conditions.

					Waste fatty acid vs Waste glycerol (Exp)	
Locus Tag	Gene Anotation	DNA Seq Length (nt)	R ^a	P ^a	Rnet	Pnet
PPUTLS46_000145	acyl-CoA dehydrogenase	2448	11.1	18	-0.7	0.15
PPUTLS46_000650	acyl-CoA dehydrogenase domain-containing protein	1167	7	nr	0.02	nc
PPUTLS46_000700	acyl-CoA dehydrogenase domain-containing protein	1776	8.5	nr	-0.16	0.08
PPUTLS46_002222	acyl-CoA dehydrogenase domain-containing protein	1770	7.5	nr	1.26	nc
PPUTLS46_002522	AcdA	1152	9.6	17.6	0.46	0.52
PPUTLS46_005901	acyl-CoA dehydrogenase	1803	10.2	nr	1.89	nc
PPUTLS46_006756	acyl-CoA dehydrogenase	1653	10.8	18.7	-0.33	0.59
PPUTLS46_007429	acyl-CoA dehydrogenase domain-containing protein	1128	nr	nr	nc	nc
PPUTLS46_008099	acyl-CoA dehydrogenase	1134	3.8	nr	0.06	nc
PPUTLS46_010244	acyl-CoA dehydrogenase	1230	nr	nr	nc	nc
PPUTLS46_012190	isovaleryl-CoA dehydrogenase	1164	9.2	17.2	0.15	-0.55
PPUTLS46_015999	glutaryl-CoA dehydrogenase	1182	11	17.6	0.24	0.09
PPUTLS46_018781	acyl-CoA dehydrogenase type 2	1188	6.3	nr	-0.84	nc
PPUTLS46_018861	type 2 acyl-CoA dehydrogenase	1233	5.1	nr	0.59	nc
PPUTLS46_024438	acyl-CoA dehydrogenase	1779	nr	nr	nc	nc
PPUTLS46_024448	acyl-CoA dehydrogenase	1806	16.6	24.3	3.25	3.54
PPUTLS46_025248	acyl-CoA dehydrogenase type 2	1182	4	nr	-0.66	nc
PPUTLS46_026101	acyl-CoA dehydrogenase domain-containing protein	1161	6.4	nr	1.87	nc

^a: The log2 value of RNA and Protein expression abundance of *P.putida* LS46 grown in waste fatty acid derived culture at 8hrs post-inocula. RNA or Protein that were either not detected or only observed in one biological replicate were not reported for comparative analysis, and therefore no Rnet and Pnet value calculated. nr: not reported. nc: not calculated.

Exp: Exponential culture; Sta: Stationary culture. Green shading: significantly up-regulated.