S8 Table. Expression values of putative fatty acid-oxidation genes and gene products in *P. putida* LS46 grown in waste fatty acids (WFA) cultures during exponential phase, and variations in their expression levels under two conditions.

						Waste glycerol Sta vs Exp		Waste fatty acid vs Waste glycerol (Exp)	
Clusters	**Locus Tag**	**Gene symbol/annotation**	**DNA seq length (nt)**	**R[a]**	**P[a]**	**Rnet**	**Pnet**	**Rnet**	**Pnet**
1	PPUTLS46_004399	fadB	2148	16.1	25.5	1.54	0.52	4.4	4.65
	PPUTLS46_004404	fadA	1176	15.6	24.7	0.46	-0.69	3.79	4.8
2	PPUTLS46_007434	fadB1X	774	9.7	20.2	0.06	0.02	-0.33	0.03
	PPUTLS46_007429	fadEx	1128	nr	nr	nc	nc	nc	nc
	PPUTLS46_007424	fadAx	1194	nr	nr	nc	nc	nc	nc
	PPUTLS46_007419	fadB2x	768	nr	nr	nc	nc	nc	nc
	PPUTLS46_007414	fadDx	1674	7.7	nr	1.06	nc	-0.57	nc
3	PPUTLS46_000695	3-hydroxybutyryl-CoA epimerase	1239	10.4	nr	1.33	nc	0.23	nc
	PPUTLS46_000700	Acyl-CoA dehydrogenase putative	1776	8.5	nr	0.08	-1.68	-1.33	nc
	PPUTLS46_000705	Alcohol dehydrogenase iron-containing	1164	7.1	nr	nc	nc	-1.58	nc
	PPUTLS46_000710	Thioesterase superfamily protein	453	6	nr	-0.01	nc	-0.95	nc
	PPUTLS46_000715	Acetyl-CoA acetyltransferase	1185	8	nr	0.03	-1.86	-1.02	nc
4	PPUTLS46_026256	TetR family transcriptional regulator	582	9.6	nr	-0.04	nc	1.56	nc
	PPUTLS46_026251	3-hydroxybutyryl-CoA dehydrogenase	849	11.1	16.7	nc	nc	1.73	2.19
	PPUTLS46_026246	beta-ketothiolase	1185	11.7	20.8	0.06	0.47	1.66	1.76
Others	PPUTLS46_012993	acetyl-CoA acetyltransferase	1179	11.8	23.1	-0.6	0.53	7.51	6.7
	PPUTLS46_003422	3-hydroxybutyrate dehydrogenase	771	10.81	19.24	nc	nc	3.84	nc
	PPUTLS46_006916	acyl-CoA thioesterase II	870	10.05	14.51	-0.2	0.03	-0.2	-0.39
	PPUTLS46_009584	Acyl-CoA thioesterase-like protein	798	10.2	19.1	-0.64	0.79	0.16	3.71

[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 caluculated.

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