Tab. S2: Methanol metabolism of *M. extorquens* PA1 during colonization of the *A. thaliana* phyllosphere.

Locus-Tag	Annotation (Gene name)	log2 FC	p-value[1]	Nr.
Methanol oxidation				
Mext_4150	methanol/ethanol family PQQ-dependent dehydrogenase (mxaF)	-0.2	<0.01	1
Mext_4147	methanol dehydrogenase subunit beta	-0.1	0.726	2
Mext_1809	methanol/ethanol family PQQ-dependent dehydrogenase (xoxF)	2.5	<0.01	3
Mext_1339	methanol/ethanol family PQQ-dependent dehydrogenase	3.2	<0.01	4
Mext_0099	methanol/ethanol family PQQ-dependent dehydrogenase	n.d.		5
Formaldehyde oxidation				
Mext_1809	methanol/ethanol family PQQ-dependent dehydrogenase	2.5	<0.01	6
H4MPT dependent				
Mext_1834	formaldehyde-activating enzyme	-1.7	<0.01	7
Mext_1450	formaldehyde-activating enzyme	-0.8	<0.01	8
Mext_1829	methylene-tetrahydromethanopterin dehydrogenase	-0.7	<0.01	9
Mext_1831	N(5),N(10)-methenyltetrahydromethanopterin cyclohydrolase	-0.8	<0.01	10
Mext_1824	formylmethanofuran dehydrogenase subunit C	-0.4	<0.01	11
Mext_1825	formylmethanofuran--tetrahydromethanopterin formyltransferase	-0.7	<0.01	12
Mext_1826	formylmethanofuran dehydrogenase subunit A	-0.5	<0.01	13
Mext_1827	tungsten-containing formylmethanofuran dehydrogenase subunit B	-0.5	<0.01	14
H4FT dependent				
Mext_1797	methylenetetrahydrofolate dehydrogenase	-2.4	<0.01	15
Mext_1798	formiminotransferase-cyclodeaminase	-2.6	<0.01	16
Mext_0414	formate--tetrahydrofolate ligase	-2.1	<0.01	17
Formate oxidation				
Mext_4582	formate dehydrogenase subunit alpha (fdh1A)	2.0	<0.01	18
Mext_4581	respiratory-chain NADH dehydrogenase domain-containing protein (fdh1B)	1.8	<0.01	19
Mext_4404	NADH dehydrogenase (ubiquinone) 24 kDa subunit (fdh2C)	-0.5	0.026	20
Mext_4405	NADH dehydrogenase (quinone) (fdh2B)	-0.3	<0.01	21
Mext_4406	formate dehydrogenase subunit alpha (fdh2A)	-0.3	<0.01	22
Mext_4407	hypothetical protein (fdh2D)	-0.9	0.011	23
Mext_0389	molybdopterin oxidoreductase (fdh3A)	1.5	<0.01	24
Mext_0390	4Fe-4S ferredoxin (fdh3B)	1.0	<0.01	25
Mext_0391	formate dehydrogenase subunit gamma (fdh3C)	2.2	<0.01	26
Mext_2105	oxidoreductase alpha (molybdopterin) subunit (fdh4A)	0.0	0.95	27
Mext_2104	Hypothetical protein (fdh4B)	n.d.		28
Serine cycle				
Mext_3171	serine hydroxymethyltransferase	-0.7	<0.01	29
Mext_1795	serine--glyoxylate transaminase	-2.3	<0.01	30
Mext_1796	D-isomer specific 2-hydroxyacid dehydrogenase (hpr)	-1.2	<0.01	31
Mext_2747	hydroxypyruvate reductase	-1.8	<0.01	32
Mext_0771	hydroxypyruvate reductase	n.d.		33
Mext_2784	phosphopyruvate hydratase	-0.3	<0.01	34
Mext_1801	phosphoenolpyruvate carboxylase	-1.5	<0.01	35
Mext_4533	phosphoenolpyruvate carboxylase	-0.3	0.076	36
Mext_1643	malate dehydrogenase	-0.6	<0.01	37
Mext_2939	inosine-5'-monophosphate dehydrogenase	0.5	<0.01	38
Mext_1509	malate:quinone oxidoreductase	0.7	0.146	39
Mext_1799	malate--CoA ligase subunit beta (mtkA)	-2.7	<0.01	40
Mext_1800	succinyl-CoA synthetase subunit alpha (mtkB)	-2.4	<0.01	41
Mext_1802	citrate (pro-3S)-lyase (mclA)	-2.0	<0.01	42
Ethylmalonyl-CoA pathway				
Mext_3469	acetyl-CoA acetyltransferase (phaA)	-0.5	<0.01	43
Mext_3470	acetoacetyl-CoA reductase (phaB)	-0.9	<0.01	44
Mext_3610	enoyl-CoA hydratase/isomerase	-0.6	0.383	45
Mext_4237	enoyl-CoA hydratase/isomerase	-0.8	<0.01	46
Mext_4649	enoyl-CoA hydratase	-0.6	0.016	47
Mext_3444	dehydratase (croR)	-1.3	<0.01	48
Mext_0288	crotonyl-CoA reductase (ccr)	-1.0	<0.01	49
Mext_1069	methylmalonyl-CoA epimerase (epi)	-0.5	0.025	50
Mext_0290	methylmalonyl-CoA mutase large subunit (ecm)	-0.8	<0.01	51
Mext_2228	acyl-CoA dehydrogenase domain-containing protein (msd)	-0.6	<0.01	52
Mext_3781	dehydratase (mcd)	-2.0	<0.01	53
Mext_1802	citrate (pro-3S)-lyase (mcl)	-2.0	<0.01	54
Mext_0282	carboxyl transferase (pccB)	-1.3	<0.01	55
Mext_2996	carbamoyl-phosphate synthase L chain ATP-binding (pccA)	-1.0	<0.01	56
Mext_4794	methylmalonyl-CoA mutase (mcmA)	-1.1	<0.01	57
Mext_2388	methylmalonyl-CoA mutase (mcmB)	-1.5	<0.01	58

[1] Benjamini-Hochberg corrected for multiple testing