

Tab. S1: Differentially regulated transport proteins of *S. melonis* Fr1 and *M. extorquens* PA1 during colonization of the phyllosphere.

Locus Tag	log2FC	p-value ¹	Annotation	KO term
<i>Sphingomonas melonis</i> Fr1				
Sphme2DRAFT_1292	∞	not in planta	ABC-type antimicrobial peptide transport system, ATPase component	K02003
Sphme2DRAFT_2463	∞	not in planta	TonB-dependent receptor	K02014
Sphme2DRAFT_2539	∞	not in planta	K ⁺ transporter	K03549
Sphme2DRAFT_2640	∞	not in planta	heavy metal efflux pump (cobalt-zinc-cadmium)	K15726
Sphme2DRAFT_3241	∞	not in planta	TonB-dependent receptor	no KO term
Sphme2DRAFT_3443	∞	not in planta	Na ⁺ /H ⁺ -dicarboxylate symporters	no KO term
Sphme2DRAFT_3924	∞	not in planta	Multidrug resistance efflux pump	K15727
Sphme2DRAFT_0085	∞	in planta only	Type II secretory pathway, component Pull	K02461
Sphme2DRAFT_0092	∞	in planta only	Type II secretory pathway, ATPase Pule/Tfp pilus assembly pathway, ATPase PilB	K02454
Sphme2DRAFT_0094	∞	in planta only	hypothetical protein	K02452
Sphme2DRAFT_0570	∞	in planta only	Na ⁺ /H ⁺ -dicarboxylate symporters	no KO term
Sphme2DRAFT_0861	∞	in planta only	Mg ²⁺ and Co ²⁺ transporters	K16074
Sphme2DRAFT_1176	∞	in planta only	Predicted flavoprotein involved in K ⁺ transport	no KO term
Sphme2DRAFT_1215	∞	in planta only	TonB-dependent receptor	no KO term
Sphme2DRAFT_1218	∞	in planta only	Outer membrane receptor proteins, mostly Fe transport	no KO term
Sphme2DRAFT_1440	∞	in planta only	twin arginine-targeting protein translocase TatB	K03117
Sphme2DRAFT_1490	∞	in planta only	ABC-type phosphate transport system, periplasmic component	K02040
Sphme2DRAFT_1600	∞	in planta only	export-related chaperone CsaA	K06878
Sphme2DRAFT_1633	∞	in planta only	Outer membrane receptor proteins, mostly Fe transport	K02014
Sphme2DRAFT_1759	∞	in planta only	drug resistance transporter, EmrB/QacA subfamily	K03446
Sphme2DRAFT_1905	∞	in planta only	ABC-type multidrug transport system, ATPase component	K01990
Sphme2DRAFT_2035	∞	in planta only	Outer membrane receptor proteins, mostly Fe transport	K02014
Sphme2DRAFT_2144	∞	in planta only	cation diffusion facilitator family transporter	K16264
Sphme2DRAFT_2257	∞	in planta only	autotransporter secretion outer membrane protein TamA	K07278
Sphme2DRAFT_2293	∞	in planta only	molybdenum ABC transporter, periplasmic molybdate-binding protein	K02020
Sphme2DRAFT_2388	∞	in planta only	Outer membrane receptor proteins, mostly Fe transport	K02014
Sphme2DRAFT_2399	∞	in planta only	K ⁺ -transporting ATPase, B subunit	K01547
Sphme2DRAFT_2554	∞	in planta only	Periplasmic protein involved in polysaccharide export	K01991
Sphme2DRAFT_2984	∞	in planta only	ABC-type antimicrobial peptide transport system, ATPase component	K09810
Sphme2DRAFT_3177	∞	in planta only	efflux transporter, outer membrane factor (OMF) lipoprotein, NodT family	no KO term
Sphme2DRAFT_3232	∞	in planta only	Phosphotransferase system, mannose/fructose-specific component IIA	K02793
Sphme2DRAFT_3255	∞	in planta only	Na ⁺ /H ⁺ -dicarboxylate symporters	no KO term
Sphme2DRAFT_3424	∞	in planta only	Multidrug resistance efflux pump	K03543
Sphme2DRAFT_1760	1.6	0.000	Multidrug resistance efflux pump	K03543
Sphme2DRAFT_0248	1.3	0.000	RND family efflux transporter, MFP subunit	K03585
Sphme2DRAFT_3075	1.3	0.006	Long-chain fatty acid transport protein	K06076
Sphme2DRAFT_1931	-1.1	0.023	putative oligopeptide transporter, OPT family	no KO term
Sphme2DRAFT_1505	-1.2	0.000	preprotein translocase, SecE subunit, bacterial	K03073
Sphme2DRAFT_3016	-1.3	0.049	Kef-type K ⁺ transport systems, membrane components	K03455
Sphme2DRAFT_1964	-1.5	0.030	amino acid/polyamine/organoanion transporter	K03294
Sphme2DRAFT_0228	-1.5	0.000	Amino acid transporters	K03294
Sphme2DRAFT_2246	-1.6	0.001	glucose/galactose transporter	K02429
Sphme2DRAFT_1113	-5.0	0.010	Cation/multidrug efflux pump	no KO term
<i>Methylobacterium extorquens</i> PA1				
Mext_0396	∞	not in planta	efflux transporter, RND family, MFP subunit	no KO term
Mext_0672	∞	not in planta	TonB-dependent siderophore receptor	K02014
Mext_2137	∞	not in planta	major facilitator superfamily MFS_1	K08177
Mext_2515	∞	not in planta	binding-protein-dependent transport systems inner membrane component	K13895
Mext_2624	∞	not in planta	ABC transporter related	no KO term
Mext_2874	∞	not in planta	ABC transporter related	K11085
Mext_4071	∞	not in planta	ABC transporter related	K13409
Mext_4199	∞	not in planta	major facilitator superfamily MFS_1	no KO term
Mext_4371	∞	not in planta	binding-protein-dependent transport systems inner membrane component	K02050
Mext_4496	∞	not in planta	twin-arginine translocation pathway signal	K15576
Mext_1172	∞	in planta only	aliphatic sulfonates family ABC transporter, periplasmic ligand-binding protein	K15553
Mext_1212	∞	in planta only	major facilitator superfamily MFS_1	K08177
Mext_1299	∞	in planta only	ammonium transporter	K03320
Mext_2739	∞	in planta only	type I secretion system ATPase	K06148
Mext_2740	∞	in planta only	type I secretion membrane fusion protein, HlyD family	K02022
Mext_3265	∞	in planta only	putative exported protein of unknown function	no KO term
Mext_3338	∞	in planta only	ABC-type nitrate/sulfonate/bicarbonate transport systems components-like protein	K02051
Mext_3341	∞	in planta only	aliphatic sulfonates family ABC transporter, periplasmic ligand-binding protein	K02051
Mext_3347	∞	in planta only	putative ABC transporter, substrate-binding protein	K02051
Mext_3405	∞	in planta only	aliphatic sulfonates family ABC transporter, periplasmic ligand-binding protein	K15553
Mext_3406	∞	in planta only	binding-protein-dependent transport systems inner membrane component	K15554
Mext_3407	∞	in planta only	ABC transporter related	K15555
Mext_3438	∞	in planta only	ABC-2 type transporter	K01992
Mext_3494	∞	in planta only	hypothetical protein	K01999
Mext_4685	∞	in planta only	General substrate transporter	K03761
Mext_2535	2.0	0.000	polysaccharide export protein	K01991
Mext_3409	1.9	0.029	aliphatic sulfonates family ABC transporter, periplasmic ligand-binding protein	K15553
Mext_4713	1.8	0.000	phosphate ABC transporter, periplasmic phosphate-binding protein	K02040
Mext_2832	1.6	0.030	efflux transporter, RND family, MFP subunit	no KO term
Mext_4223	1.4	0.005	L-lactate transport	K03303
Mext_4754	1.3	0.002	secretion protein HlyD family protein	no KO term
Mext_0584	1.2	0.000	sulfate ABC transporter, ATPase subunit	K02045
Mext_4833	1.2	0.000	MscS Mechanosensitive ion channel	no KO term
Mext_0583	1.2	0.024	sulfate ABC transporter, inner membrane subunit CysW	K02047
Mext_0380	1.0	0.000	ABC transporter related	K01990

¹ Benjamini-Hochberg corrected for multiple testing