

**Tab. S4:** Predicted operon structures containing alkanesulfonate monooxygenase genes

Locus-Tag	Annotation (Gene name)	log2 FC	p-value <sup>1</sup>
Mext_1170	acyl-CoA dehydrogenase domain-containing protein	∞	in planta only
Mext_1171	alkanesulfonate monooxygenase	∞	in planta only
Mext_1172	aliphatic sulfonate ABC transporter substrate-binding protein	∞	in planta only
Mext_1173	cupin	∞	in planta only
Mext_3338	nitrate/sulfonate/bicarbonate ABC transporter periplasmic components-like protein	∞	in planta only
Mext_3339	molybdopterin binding oxidoreductase	∞	in planta only
Mext_3341	aliphatic sulfonate ABC transporter substrate-binding protein	∞	in planta only
Mext_3342	alkanesulfonate monooxygenase	∞	in planta only
Mext_3343	xanthine permease	∞	in planta only
Mext_3404	NADPH-dependent FMN reductase	∞	in planta only
Mext_3405	aliphatic sulfonate ABC transporter substrate-binding protein	∞	in planta only
Mext_3406	binding-protein-dependent transport system inner membrane protein	∞	in planta only
Mext_3407	ABC transporter-like protein	∞	in planta only
Mext_3408	alkanesulfonate monooxygenase	2.3	<0.01
Mext_3409	aliphatic sulfonate ABC transporter substrate-binding protein	1.9	0.029
Mext_3663	alkanesulfonate monooxygenase	∞	in planta only

<sup>1</sup> Benjamini-Hochberg corrected for multiple testing