

Supplementary Table 3: Putative T4SS effectors in *A. lacustris* and best BLAST hits in the SecReT4 (experimentally verified) effectors database

Accession no.	log E-value Hit	Organism	Feature
SZ25_00202	-12 ankyrin repeat protein	Coxiella burnetti CbuK_Q154	Effector ¹
SZ25_00259	-6 ankyrin repeat protein	Legionella pneumophila 2300/99 Alcoy	Effector ¹
SZ25_00269	-6 hypothetical protein lpl1955	Legionella pneumophila str. Lens	Effector
SZ25_00250	-43 phosphoglucomutase	Coxiella burnetti Dugway 5J108-111	Effector
SZ25_00281	-6 unnamed protein product	Ochrobactrum anthropi ATCC 49188	Effector ¹
SZ25_00283	-6 legS2 gene product	Legionella pneumophila subsp. Pneumophila str. Philadelphia 1	Effector ¹
SZ25_00294	-102 phosphoglucomutase	Coxiella burnetti Dugway 5J108-111	Effector
SZ25_00363	-36 unnamed protein product	Ochrobactrum anthropi ATCC 49188	Effector ¹
SZ25_00426	-6 unnamed protein product	Ochrobactrum anthropi ATCC 49188	Effector ¹
SZ25_00428	-6 legS2 gene product	Legionella pneumophila subsp. Pneumophila str. Philadelphia 1	Effector ¹
SZ25_00450	-15 Fic family protein	Coxiella burnetti CbuK_Q154	Effector ¹
SZ25_00544	-8 ankyrin repeat protein	Coxiella burnetti Dugway 5J108-111	Effector ¹
SZ25_00548	-8 unnamed protein product	Brucella suis 1330	Effector ¹
SZ25_00629	-26 hypothetical protein lpp1946	Legionella pneumophila str. Paris	Effector ¹
SZ25_00699	-21 hypothetical protein pRi1724_p056	Agrobacterium rhizogenes	Effector ¹
SZ25_00773	-6 Ankyrin repeat protein	Legionella pneumophila 2300/99 Alcoy	Effector ¹
SZ25_00779	-8 surface antigen	Coxiella burnetti RSA 331	Effector ¹
SZ25_00862	-31 hypothetical protein COXBURSA331_A2207	Coxiella burnetti RSA 331	Effector ¹

¹ Experimentally verified effector database