

Supplementary Table 2. Phenotypical characterisation and API 20E test results of *Citrobacter freundii* (n = 20) isolated from ornamental fish

[illegible]

Haemolytic test	γ -haem.	γ -haem.	γ -haem.	γ -haem.	γ -haem.	γ -haem.	γ -haem.	γ -haem.	γ -haem.	γ -haem.
Growing on MacConkey agar	lac+	lac+	lac+	lac+	lac+	lac+	lac+	lac+	lac+	lac+
ONPG test (β -galactosidase)	+	+	+	+	+	+	+	+	+	+
Arginine dihydrolase	–	+	–	+	–	+	+	+	+	–
Lysine decarboxylase	–	–	–	–	–	–	–	–	–	–
Ornithine decarboxylase	–	+	–	–	–	–	–	–	–	–
Trisodium citrate utilisation	+	+	+	+	+	+	+	+	+	+
H ₂ S production	+	+	+	+	+	+	+	+	+	+
Urease activity	–	–	–	–	–	–	–	–	–	–
Deamination of tryptophan	–	–	–	–	–	–	–	–	–	–
Indole production	–	+	–	–	–	–	–	–	–	–
Acetoin production (VP test)	–	–	–	–	–	–	–	–	–	–
Gelatin liquefaction	–	–	–	–	–	–	–	–	–	–
D-glucose fermentation	+	+	+	+	+	+	+	+	+	+
D-mannitol fermentation	+	+	+	+	+	+	+	+	+	+
Inositol fermentation	–	–	–	–	–	–	–	–	–	–
D-sorbitol fermentation	+	+	+	+	+	+	+	+	+	+
L-rhamnose fermentation	+	+	+	+	+	+	+	+	+	+
D-saccharose fermentation	+	+	+	+	+	+	+	+	+	+
D-melibiose fermentation	+	+	+	–	+	+	+	+	+	+
Amygdaline fermentation	–	–	+	–	+	–	–	–	–	–
L-arabinose fermentation	+	+	+	+	+	+	+	+	+	+
API-20E code number	1 604 572	3 744 572	1 604 573	3 604 532	1 604 573	3 604 572	3 604 572	3 604 572	3 604 572	1 604 572
API-20E identification	<i>C. freundii</i>	<i>C. freundii</i>	<i>C. freundii</i>	<i>C. freundii</i>	<i>C. freundii</i>	<i>C. freundii</i>	<i>C. freundii</i>	<i>C. freundii</i>	<i>C. freundii</i>	<i>C. freundii</i>
API-20E % identification	99.9	62.8	99.8	80.2	99.8	99.9	99.9	99.9	99.9	99.9

ONPG – o-nitrophenyl- β -D-galactopyranoside; VP – Voges–Proskauer; + – positives result; – – negative result; z.d – zone diameter in mm; γ -haem – type of haemolysis; lac+ – lactose fermentation