


Aureispira sp. CCB-QB1

Colony morphology	Yellow colony; 1 mm size; circular; undulate; raised; glistening; transparent  
Gram-stain	Negative helical
Isolation medium	Tryptone + 50% Artificial sea water (ASW) agar
Growth condition	Aerobic; pH7; 30±2°C; 24-48hrs
Sampling date, location, source	2 October 2014; Matang Mangrove Forest (4.85228 N, 100.55777 E); Mangrove estuarine sediment
Biochemistry/ Physiology	No
16s rRNA gene analysis(EzBioCloud/N CBI)	Top-hit taxon <i>Aureispira maritima</i> Top-hit strain 59SA(T) Similarity (%) 99.64 Top-hit taxonomy Bacteria;Bacteroidetes;Sphingobacteriia;Saprospirales;Saprospiraceae;Aureispira
Publication	Furusawa, G., Lau, N.-S., Shu-Chien, A. C., Jaya-Ram, A., & Amirul, A. A.-A. (2015). Identification of polyunsaturated fatty acid and diterpenoid biosynthesis pathways from draft genome of <i>Aureispira</i> sp. CCB-QB1. <i>Marine Genomics</i> , 19, 39–44. doi:10.1016/j.margen.2014.10.006 Furusawa, G., Hartzell, P.-L., & Navaratnam, V. (2015). Calcium is required for ixotrophy of <i>Aureispira</i> sp. CCB-QB1. <i>Microbiology</i> 161, 1933–1941. http://doi.org/10.1099/mic.0.000158
Application	No
Isolated by	Dinesh Balachandra
Risk group	1

