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| --- | --- | --- | --- | --- |
| OTU\_num | Genus | Species | Function | Reference |
| OTU\_8 | Chryseobacterium | shigense | fish pathogen | Zamora et al. 2012 |
| OTU\_16 | Flavobacterium | pectinovorum | nitrate\_reduction | FAPROTAX |
| OTU\_2051 | Flavobacterium | / | unknown |  |
| OTU\_885 | Flavobacterium | / | unknown |  |
| OTU\_40 | Flavobacterium | / | unknown |  |
| OTU\_12 | Ensifer | / | nitrate\_reduction | FAPROTAX |
| OTU\_11 | Rhizobium | leguminosarum | plant\_pathogen &nitrogen\_fixation | FAPROTAX |
| OTU\_22 | Rhizobium | / | unknown |  |
| OTU\_34 | Sphingobium | / | unknown |  |
| OTU\_13 | Sphingomonas | faeni | psychrotolerant | Busse et al. 2003 |
| OTU\_6 | / | / | unknown |  |
| OTU\_351 | Acidovorax | / | unknown |  |
| OTU\_18 | Variovorax | paradoxus | arsenate\_detoxification | FAPROTAX |
| OTU\_39 | / | / | unknown |  |
| OTU\_5 | Duganella | / | ureolysis | FAPROTAX |
| OTU\_107 | Massilia | / | ureolysis | FAPROTAX |
| OTU\_2733 | Massilia | / | ureolysis | FAPROTAX |
| OTU\_4758 | Massilia | / | ureolysis | FAPROTAX |
| OTU\_3 | / | / | unknown |  |
| OTU\_27 | Methylophilus | / | methanol\_oxidation | FAPROTAX |
| OTU\_1112 | Methylotenera | / | methanol\_oxidation | FAPROTAX |
| OTU\_547 | / | / | unknown |  |
| OTU\_17 | / | / | unknown |  |
| OTU\_2869 | / | / | unknown |  |
| OTU\_9 | Pseudomonas | viridiflava | plant\_pathogen | FAPROTAX |
| OTU\_7 | Pseudomonas | / | unknown |  |
| OTU\_14 | Pseudomonas | / | unknown |  |
| OTU\_3396 | Pseudomonas | / | unknown |  |
| OTU\_4063 | Pseudomonas | / | unknown |  |
| OTU\_19 | Stenotrophomonas | / | nitrate\_reduction | FAPROTAX |