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|  | **Table of accession numbers of new genomes studied** |
|  |  |  |  |
| Family | Species | Strain | genome |
|  |  |  | accession no. |
|  |  |  |  |
| Comamonadaceae | *Rhodoferax fermentans*  | DSM 10138 | NRRK00000000 |
| uncl. Burkholderiales | *Rubrivivax gelatinosus*  | DSM 1709 | NRRI00000000 |
| uncl. Burkholderiales | *Rubrivivax gelatinosus*  | IM 151 | NRRU00000000 |
| uncl. Burkholderiales | *Rubrivivax gelatinosus* 155 | DSM 149  | NRRT00000000 |
| Rhodocyclaceae | *Rhodocyclus purpureus* | TEM | NHRX00000000 |
| Rhodocyclaceae | *Rhodocyclus tenuis*  | IM 230  | NRRZ00000000 |
| Hyphomicrobiaceae | *Rhodoplanes elegans* | DSM 11907 | NHSK00000000 |
| Rhodobiaceae | *Afifella marina* 125/2 | IM 162 | NHSC00000000 |
| Rhodobiaceae | *Afifella marina* 125/4) | IM 163 | NRSF00000000 |
| Rhodobiaceae | *Afifella marina* 985, 126 (166) | DSM 2698 | NRSE00000000 |
| Rhodobiaceae | *Rhodobium orientis* | DSM 11290 | NHSL00000000 |
| Rhodobacteraceae | *Rhodobacter veldkampii* | DSM 11550 | NHSP00000000 |
| Rhodobacteraceae | *Rhodobaculum claviforme* | GOR B7-4 | NHSD00000000 |
| Rhodobacteraceae | *Rhodovulum adriaticum* | DSM2781 | NRRP00000000 |
| Rhodobacteraceae | *Rhodovulum imhoffii* | DSM 18064 | NHSI00000000 |
| Rhodobacteraceae | *Rhodovulum sulfidophilum* | IM 196 | NHRZ00000000 |
| Acetobacteraceae | *Paracraurococcus ruber*  | DSM 15382 | NRSG00000000 |
| Rhodospirillaceae | *Rhodospirillum rubrum* | DSM 1068 | NRSB00000000 |
| Rhodospirillaceae | *Rhodospirillum rubrum* 220 | DSM 107  | NRSC00000000 |
| Rhodospirillaceae | *Rhodospirillum rubrum*  | FR1Mutante-IV | NHSM00000000 |
| Rhodospirillaceae | *Rhodovibrio salinarum* | DSM 9154 | NRRE00000000 |
| Rhodospirillaceae | *Rhodovibrio sodomensis*  | DSM 9895 | NRRL00000000 |
|  Rhodothalassiaceae | *Rhodothalassium salexigens* | IM 261 | NHSB00000000 |
|  Rhodothalassiaceae | *Rhodothalassium salexigens* | IM 265 | NHSA00000000 |
|  Rhodothalassiaceae | *Rhodothalassium salexigens* | DSM 2132 | NRRX00000000 |
| Chromatiaceae | *Allochromatium vinosum* | MT86 | NRSL00000000 |
| Chromatiaceae | *Chromatium okenii* 6010 | DSM 169 | NRRQ00000000 |
| Chromatiaceae | *Chromatium weissei* IM 5910  | DSM 5161 | NRRR00000000 |
| Chromatiaceae | *Thiocystis minor* | DSM 178 | NHSQ00000000 |
| Chromatiaceae | *Thiocystis violacea*  | DSM 207 | NRRG00000000 |
| Chromatiaceae | *Thiocapsa imhoffii*  | DSM 21303 | NRSD00000000 |
| Chromatiaceae | *Marichromatium gracile* 5210 | DSM 203 | NRRH00000000 |
| Chromatiaceae | *Thiocystis violacea* | DSM 208 | NRRF00000000 |
| Chromatiaceae | *Thiococcus pfennigii* 4252 | DSM 228 | NRSA00000000 |
| Chromatiaceae | *Thiococcus pfennigii* 4254 | Pfennig 8320 | NRRW00000000 |
| Chromatiaceae | *Thiorhodovibrio winogradskyi*  | 06511 | NHSO00000000 |
| Chromatiaceae | *Rhabdochromatium marinum*  | DSM 5261 | NRRS00000000 |
| Chromatiaceae | *Lamprobacter modestohalophilus* | DSM 25653 | NRRY00000000 |
| Chromatiaceae | *Halochromatium roseum* | DSM 18859 | NHSH00000000 |
| Chromatiaceae | *Halochromatium glycolicum*  | DSM 11080 | NRSJ00000000 |
| Chromatiaceae | *Halochromatium salexigens* IM6310 | DSM 4395 | NHSF00000000 |
| Chromatiaceae | *Thiohalocapsa halophila* IM4270 | DSM 6210 | NRRV00000000 |
| Ectothiorhodospiraceae | *Ectothiorhodospira mobilis*  | DSM 237 | NRSK00000000 |
| Ectothiorhodospiraceae | *Ectothiorhodospira shaposhnikovii*  | DSM 243  | NRSM00000000 |
| Ectothiorhodospiraceae | *Halorhodospira abdelmalekii*  | DSM 2110 | NRRN00000000 |
| Ectothiorhodospiraceae | *Halorhodospira halochloris*  | DSM 1059 | NRRM00000000 |
| Ectothiorhodospiraceae | *Halorhodospira halophila* | IM 9626 | NHSN00000000 |
| Ectothiorhodospiraceae | *Halorhodospira halophila* D | IM 9620  | NHSE00000000 |
| Ectothiorhodospiraceae | *Halorhodospira halophila 51/3* | IM 9630 | NRRO00000000 |
| Ectothiorhodospiraceae | *Halorhodospira neutriphila*  | DSM 15116 | NRSH00000000 |