|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **MMETSP ID** | **Phylum** |  |  | **Genus** | **species** | **Strain** | **VTC2** |
|  |  |  |  |  |  |  |  |
| MMETSP0033 | Chlorophyta | Prasinophyceae | Mamiellaceae | Dolichomastix | tenuilepis | CCMP3274 | VTC2 |
| MMETSP0034 | Chlorophyta | Prasinophyceae | Pycnococcaceae | Nephroselmis | pyriformis | CCMP717 | VTC2 |
| MMETSP0052 | Chlorophyta | Chlorophyceae | Chlamydomonadaceae | Polytomella | parva | SAG 63-3 | VTC2 |
| MMETSP0058 | Chlorophyta | Prasinophyceae | Halosphaeraceae | Pyramimonas | parkeae | CCMP726 | VTC2 |
| MMETSP0059 | Chlorophyta | Prasinophyceae | Halosphaeraceae | Pyramimonas | parkeae | CCMP726 | VTC2 |
| MMETSP0419 | Chlorophyta | Prasinophyceae | Chlorodendraceae | Tetraselmis | sp. | GSL018 | VTC2 |
| MMETSP0491 | Chlorophyta | Prasinophyceae | Chlorodendraceae | Tetraselmis | chuii | PLY429 | VTC2 |
| MMETSP0802 | Chlorophyta | Prasinophyceae | Mamiellaceae | Micromonas | sp. | CCMP2099 | VTC2 |
| MMETSP0803 | Chlorophyta | Prasinophyceae | Unknown | Crustomastix | stigmata | CCMP3273 | VTC2 |
| MMETSP0804 | Chlorophyta | Prasinophyceae | Chlorodendraceae | Tetraselmis | astigmatica | CCMP880 | VTC2 |
| MMETSP0807 | Chlorophyta | Unknown | Unknown | Picocystis | salinarum | CCMP1897 | VTC2 |
| MMETSP0817 | Chlorophyta | Prasinophyceae | Chlorodendraceae | Tetraselmis | striata | LANL1001 | VTC2 |
| MMETSP0818 | Chlorophyta | Prasinophyceae | Chlorodendraceae | Tetraselmis | striata | LANL1001 | VTC2 |
| MMETSP0819 | Chlorophyta | Prasinophyceae | Chlorodendraceae | Tetraselmis | striata | LANL1001 | VTC2 |
| MMETSP0820 | Chlorophyta | Prasinophyceae | Chlorodendraceae | Tetraselmis | striata | LANL1001 | VTC2 |
| MMETSP0926 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | RCC789 | VTC2 |
| MMETSP0927 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | BCC10000 | VTC2 |
| MMETSP0928 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | BCC26000 | VTC2 |
| MMETSP0929 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | BCC35000 | VTC2 |
| MMETSP0930 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | BCC44000 | VTC2 |
| MMETSP0931 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | BCC49000 | VTC2 |
| MMETSP0933 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | BCC99000 | VTC2 |
| MMETSP0934 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | BCC102000 | VTC2 |
| MMETSP0935 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | BCC103000 | VTC2 |
| MMETSP0936 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | BCC109000 | VTC2 |
| MMETSP0937 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | BCC115000 | VTC2 |
| MMETSP0938 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | BCC116000 | VTC2 |
| MMETSP0939 | Chlorophyta | Prasinophyceae | Mamiellaceae | Ostreococcus | mediterraneus | BCC118000 | VTC2 |
| MMETSP1080 | Chlorophyta | Prasinophyceae | Mamiellaceae | Micromonas | sp | CCMP1646 | VTC2 |
| MMETSP1159 | Chlorophyta | Unknown | Unknown | Picocystis | salinarum | CCMP1897 | VTC2 |
| MMETSP1161 | Chlorophyta | Trebouxiophyceae | Chlorellales | Picochlorum | oklahomensis | CCMP2329 | VTC2 |
| MMETSP1169 | Chlorophyta | Prasinophyceae | Pyramimonadaceae | Pyramimonas | obovata | CCMP722 | VTC2 |
| MMETSP1315 | Chlorophyta | Prasinophyceae | Pycnococcaceae | Prasinoderma | singularis | RCC927 | VTC2 |
| MMETSP1316 | Chlorophyta | Prasinophyceae | Pycnococcaceae | Pycnococcus | provasolii | RCC2336 | VTC2 |
| MMETSP1327 | Chlorophyta | Mamiellophyceae | Mamiellaceae | Micromonas | pusilla | RCC2306 | VTC2 |
| MMETSP1330 | Chlorophyta | Trebouxiophyceae | Trebouxiophyceae | Picochlorum | sp. | RCC944 | VTC2 |

**Supplementary File 3: Identification of *VTC2* in Marine Microbial Eukaryote Transcriptome database**