

| <b>Rhodobacaceae and<br/>Flavobacteraceae strains</b> | <b>Phosphorus<br/>solubilizing<br/>capacity</b> | <b>IAA<br/>production<br/>capacity</b> | <b><i>nif</i><br/><i>H</i><br/>gene</b> |
|-------------------------------------------------------|-------------------------------------------------|----------------------------------------|-----------------------------------------|
| <i>Ruegeria denitrificans</i> 1                       | -2.03±0.23                                      | 186.01±3.6                             |                                         |
| <i>Ruegeria</i> CP045384 s 3                          | 3.32±4.67                                       | 10.67±1.97                             |                                         |
| <i>Ruegeria</i> CP000377 s 7                          | 102.73±16.22                                    | 170.31±6.0                             |                                         |
| <i>Ruegeria atlantica</i> 11                          | 90.11±14.10                                     | 157.46±3.9                             | √                                       |
| <i>Phaeobacter gallaeciensis</i> 64                   | 15.68±1.52                                      | 84.19±6.64                             |                                         |
| <i>Phaeobacter inhibens</i> 12                        | -1.90±0.12                                      | 24.01±0.58                             | √                                       |
| <i>Sagittula stellata</i> SB11                        | 8.48±1.16                                       | 156.01±4.4                             | √                                       |
| AFCFs Y9                                              | 4.72±0.28                                       | 78.92±4.54                             |                                         |
| <i>Leisingera daeponensis</i> Y6                      | 1.56±0.73                                       | 12.73±13.6                             |                                         |
| <i>Phaeobacter piscinae</i> M25                       | 154.23±1.26                                     | 132.79±1.0                             |                                         |
| <i>Pseudovibrio hongkongensis</i> H3                  | 10.49±2.92                                      | 130.55±4.1                             | √                                       |
| <i>Paracoccus seriniphilus</i> RW-2                   | 11.33±4.06                                      | 24.25±5.50                             | √                                       |
| <i>Paracoccus aquimaris</i> W2                        | 115.33±11.34                                    | 188.37±0.8                             |                                         |
| <i>Donghicola eburneus</i> 5-35                       | 88.15±4.17                                      | 176.01±9.8                             | √                                       |
| <i>Aliiroseovarius crassostreae</i> Y11               | 97.82±7.16                                      | 155.88±4.2                             | √                                       |
| <i>Aquimarina spongiae</i> 4                          | 131.23±0.62                                     | 37.22±1.09                             | √                                       |
| <i>Dokdonia donghaensis</i> 5                         | 30.01±0.69                                      | 24.25±0.69                             |                                         |
| <i>Croceivirga radialis</i> 6                         | 136.80±3.88                                     | 165.28±4.9                             | √                                       |
| <i>Tenacibaculum skagerrakense</i> 16                 | 108.53±6.83                                     | 243.40±10.                             |                                         |
| <i>Tenacibaculum geojense</i> 51                      | 17.92±0.65                                      | 12.98±13.4                             |                                         |
| <i>Tenacibaculum aestuarii</i> 58                     | 7.77±1.54                                       | 142.43±5.0                             | √                                       |
| <i>Tenacibaculum singaporense</i> 59                  | -2.00±0.08                                      | 186.49±7.2                             |                                         |
| <i>Tenacibaculum skagerrakense</i>                    | 6.24±1.20                                       | -2.66±0.38                             | √                                       |
| <i>Olleya algicola</i> Y3                             | 1.99±1.00                                       | 22.67±4.11                             |                                         |
| <i>Phaeobacter inhibens</i> M13                       | 1.08±0.16                                       | 166.98±0.5                             |                                         |
| <i>Phaeobacter inhibens</i> M17                       | 8.33±0.58                                       | 64.07±6.88                             |                                         |
| <i>Phaeobacter inhibens</i> M9                        | 0.32±0.12                                       | 39.52±3.11                             |                                         |
| <i>Phaeobacter inhibens</i> M7                        | 13.56±12.78                                     | 24.43±4.16                             |                                         |
| <i>Hyunsoonleella ulvae</i> HU1-3                     | 213.98±1.15                                     | 227.64±0.8                             | √                                       |
| in total                                              | 10                                              | 15                                     | 12                                      |