**S2 Table. Regions of genomic plasticity (RGP) identified after comparison of CB2 with 3As and K12.** The RGP were identified with the *RGP finder* module in MaGe, which identify synteny breaks and search for HGT features (tRNA hotspots, genes involed in mobility), and for compositional bias (AlienHunter (Vernikos and Parkhill, 2006), SIGI-HMM (Waack *et al.*, 2006), and GC deviation computation).

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **RGP** | **Begin** | **End** | **Length** | **Feature Score** | **Feature** | **THIOM\_3As** | **THIIK\_K12** | **Specificity Score** | |
| RGP1 | 409 | 12446 | 12038 | 4 | tRNA-int-IVOM-Specific\_Region | 71 | 71 | 142 | |
| RGP2 | 607500 | 625666 | 18167 | 1 | Specific\_Region | 83 | 96 | 179 | |
| RGP3 | 750094 | 824454 | 74361 | 4 | int-SIGI-IVOM-Specific\_Region | 88 | 70 | 158 | |
| RGP4 | 837543 | 916150 | 78608 | 3 | tRNA-IVOM-Specific\_Region | 73 | 29 | 102 | |
| RGP5 | 1014685 | 1044464 | 29780 | 3 | SIGI-IVOM-Specific\_Region | 93 | 93 | 186 | |
| RGP6 | 1111788 | 1130387 | 18600 | 2 | IVOM-Specific\_Region | 82 | 71 | 153 | |
| RGP7 | 1188698 | 1206631 | 17934 | 0 | none | 13 | 100 | 113 | |
| RGP8 | 1393011 | 1428722 | 35712 | 4 | int-SIGI-IVOM-Specific\_Region | 100 | 100 | 200 | |
| RGP9 | 1538398 | 1622571 | 84174 | 2 | misc\_RNA-IVOM | 3 | 94 | 97 | |
| RGP10 | 1626740 | 1717910 | 91171 | 4 | int-SIGI-IVOM-Specific\_Region | 72 | 27 | 99 | |
| RGP11 | 2196265 | 2202854 | 6590 | 1 | Specific\_Region | 100 | 25 | 125 | |
| RGP12 | 2233184 | 2269464 | 36281 | 5 | tRNA-int-SIGI-IVOM-Specific\_Region | 82 | 94 | 176 | |
| RGP13 | 2628929 | 2697519 | 68591 | 4 | tRNA-int-IVOM-Specific\_Region | 52 | 77 | 129 | |
| RGP14 | 2794075 | 2816184 | 22110 | 3 | tRNA-IVOM-Specific\_Region | 68 | 100 | 168 | |
| RGP15 | 2865731 | 2874024 | 8294 | 3 | tRNA-int-IVOM | 100 | 50 | 150 | |
| RGP16 | 2959834 | 2965781 | 5948 | 0 | none | 100 | 20 | 120 | |
| RGP17 | 3304256 | 3314146 | 9891 | 5 | tRNA-int-misc\_RNA-IVOM-Specific\_Region | 83 | 100 | 183 | |
| RGP18 | 3327601 | 3382919 | 55319 | 3 | int-IVOM-Specific\_Region | 75 | 70 | 145 | |
| RGP19\* | 3533461 | 3872209 | 338749 | 6 | tRNA-int-mob-SIGI-IVOM-Specific\_Region | 50 | 69 | 119 | |
| \* this island possibly corresponds to at least two distinct GEIs | | | | | | | | |  |