Supplementary Table S1.Percentage of singleton and doubletons in TSC results of 11 datasets

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | 4455655.3 | 4455656.3 | 4455657.3 | 4455670.3 | 4455679.3 | 4455848.3 | 4455861.3 | 4456579.3 | 4457768.3 | 4457769.3 | 4457770.3 |
| S\_3\_0.03\_al | 0.5758  | 0.6997  | 0.6313  | 0.6220  | 0.6452  | 0.6925  | 0.6435  | 0.5008  | 0.6608  | 0.6667  | 0.6608  |
| D\_3\_0.03\_al | 0.1657  | 0.1418  | 0.1373  | 0.1453  | 0.1434  | 0.1368  | 0.1443  | 0.1438  | 0.0528  | 0.0572  | 0.0394  |
| S\_3\_0.03\_cl | 0.5758  | 0.6997  | 0.6313  | 0.6214  | 0.6447  | 0.6925  | 0.6428  | 0.5000  | 0.6608  | 0.6585  | 0.6551  |
| D\_3\_0.03\_cl | 0.1657  | 0.1418  | 0.1373  | 0.1451  | 0.1433  | 0.1368  | 0.1442  | 0.1436  | 0.0528  | 0.0565  | 0.0390  |
| S\_3\_0.03\_sl | 0.5791  | 0.6997  | 0.6344  | 0.6282  | 0.6487  | 0.6935  | 0.6471  | 0.5043  | 0.6675  | 0.6889  | 0.6864  |
| D\_3\_0.03\_sl | 0.1667  | 0.1418  | 0.1380  | 0.1467  | 0.1442  | 0.1370  | 0.1451  | 0.1448  | 0.0533  | 0.0591  | 0.0409  |
| S\_3\_0.05\_al | 0.5342  | 0.6119  | 0.5655  | 0.5295  | 0.5795  | 0.6257  | 0.5801  | 0.4336  | 0.4477  | 0.5075  | 0.4909  |
| D\_3\_0.05\_al | 0.1410  | 0.1619  | 0.1461  | 0.1518  | 0.1427  | 0.1495  | 0.1450  | 0.1460  | 0.0523  | 0.0299  | 0.0364  |
| S\_3\_0.05\_cl | 0.5319  | 0.6105  | 0.5634  | 0.5251  | 0.5736  | 0.6240  | 0.5750  | 0.4317  | 0.4425  | 0.4892  | 0.4709  |
| D\_3\_0.05\_cl | 0.1404  | 0.1615  | 0.1455  | 0.1505  | 0.1412  | 0.1491  | 0.1437  | 0.1453  | 0.0517  | 0.0288  | 0.0349  |
| S\_3\_0.05\_sl | 0.5482  | 0.6148  | 0.5853  | 0.5414  | 0.5954  | 0.6291  | 0.5900  | 0.4393  | 0.4695  | 0.5574  | 0.5294  |
| D\_3\_0.05\_sl | 0.1447  | 0.1627  | 0.1512  | 0.1552  | 0.1466  | 0.1503  | 0.1475  | 0.1479  | 0.0549  | 0.0328  | 0.0392  |
| S\_3\_0.1\_al | 0.4312  | 0.4588  | 0.4000  | 0.3846  | 0.4589  | 0.5000  | 0.4318  | 0.2710  | 0.2206  | 0.3333  | 0.2500  |
| D\_3\_0.1\_al | 0.1651  | 0.1235  | 0.1455  | 0.1725  | 0.1516  | 0.1261  | 0.1337  | 0.1262  | 0.0588  | 0.0222  | 0.0208  |
| S\_3\_0.1\_cl | 0.4052  | 0.4483  | 0.3826  | 0.3675  | 0.4343  | 0.4788  | 0.4167  | 0.2636  | 0.2143  | 0.3061  | 0.2143  |
| D\_3\_0.1\_cl | 0.1552  | 0.1207  | 0.1391  | 0.1648  | 0.1434  | 0.1208  | 0.1290  | 0.1227  | 0.0571  | 0.0204  | 0.0179  |
| S\_3\_0.1\_sl | 0.4563  | 0.4727  | 0.4190  | 0.4209  | 0.4888  | 0.5244  | 0.4572  | 0.2990  | 0.2500  | 0.4054  | 0.3158  |
| D\_3\_0.1\_sl | 0.1748  | 0.1273  | 0.1524  | 0.1888  | 0.1614  | 0.1323  | 0.1416  | 0.1392  | 0.0667  | 0.0270  | 0.0263  |

1. In the first column a\_b\_c\_d, a means singleton (S) or doubleton (D), b means cutoff = 3, c means cluster distance value, d means cluster method.
2. In the first row is the sample ID from MG-RAST.