

|               | <b>Factor 1</b> | <b>Factor 2</b> |
|---------------|-----------------|-----------------|
| BACTERIA      | 0.01            | 0.46            |
| CHAESOCI      | -0.06           | -0.18           |
| CYANOBACTERIA | -0.07           | 0.70            |
| FLAGSPP       | 0.60            | -0.44           |
| HEMISPP       | 0.06            | 0.47            |
| PHGOBCEL      | 0.73            | -0.56           |
| PHGOBCOL      | 0.24            | -0.64           |
| PLAGSPP       | -0.10           | 0.35            |
| PRYMSPP       | 0.16            | -0.64           |
| PSEUDELI      | 0.63            | -0.18           |
| SKELCOST      | 0.01            | -0.28           |
| THALSPP       | -0.07           | 0.04            |
| DGTS_26_0     | 0.469           | -0.300          |
| DGTS_27_0     | 0.417           | -0.266          |
| DGTS_28_0     | 0.501           | -0.244          |
| DGTS_28_1     | 0.476           | -0.398          |
| DGTS_29_0     | 0.673           | -0.014          |
| DGTS_29_1     | 0.774           | -0.369          |
| DGTS_30_0     | 0.583           | 0.299           |
| DGTS_30_1     | 0.820           | -0.040          |
| DGTS_31_0     | 0.293           | 0.435           |
| DGTS_31_1     | 0.520           | 0.284           |
| DGTS_32_0     | 0.578           | 0.657           |
| DGTS_32_1     | 0.841           | 0.325           |
| DGTS_32_2     | 0.650           | 0.304           |
| DGTS_32_3     | 0.704           | 0.403           |
| DGTS_33_1     | 0.479           | 0.657           |
| DGTS_34_1     | 0.618           | 0.565           |
| DGTS_34_2     | 0.818           | 0.262           |
| DGTS_34_3     | 0.577           | 0.243           |
| DGTS_34_4     | 0.732           | 0.040           |
| DGTS_34_5     | 0.713           | 0.022           |
| DGTS_35_1     | 0.781           | 0.329           |
| DGTS_35_2     | 0.889           | -0.011          |
| DGTS_36_2     | 0.905           | 0.114           |
| DGTS_36_3     | 0.853           | 0.179           |
| DGTS_36_4     | 0.594           | 0.215           |
| DGTS_36_5     | 0.784           | -0.355          |
| PC_28_0       | 0.901           | -0.299          |
| PC_29_0       | 0.896           | -0.283          |
| PC_30_0       | 0.823           | -0.288          |
| PC_30_1       | 0.833           | -0.345          |
| PC_31_0       | 0.815           | -0.262          |
| PC_31_1       | 0.847           | -0.370          |
| PC_32_0       | 0.787           | -0.294          |
| PC_32_1       | 0.784           | -0.443          |
| PC_32_2       | 0.875           | -0.164          |
| PC_33_1       | 0.853           | -0.415          |
| PC_34_0       | 0.415           | -0.277          |

|         |       |        |
|---------|-------|--------|
| PC_34_1 | 0.801 | -0.456 |
| PC_34_2 | 0.852 | -0.411 |
| PC_34_5 | 0.927 | -0.179 |
| PC_35_1 | 0.822 | -0.097 |
| PC_35_2 | 0.897 | -0.072 |
| PC_35_5 | 0.939 | -0.225 |
| PC_36_0 | 0.938 | -0.193 |
| PC_36_1 | 0.868 | -0.359 |
| PC_36_2 | 0.852 | -0.421 |
| PC_36_3 | 0.901 | -0.277 |
| PC_36_4 | 0.920 | -0.203 |
| PC_36_5 | 0.871 | -0.235 |
| PC_36_6 | 0.916 | -0.020 |
| PC_37_2 | 0.946 | -0.037 |
| PC_37_6 | 0.950 | -0.170 |
| PC_38_2 | 0.645 | 0.186  |
| PC_38_5 | 0.877 | -0.128 |
| PC_38_6 | 0.885 | -0.021 |
| PC_39_3 | 0.793 | 0.304  |
| PC_40_5 | 0.496 | 0.339  |
| PC_40_6 | 0.722 | 0.089  |
| PC_41_4 | 0.601 | 0.450  |
| PC_42_6 | 0.150 | 0.421  |
| PC_43_5 | 0.520 | 0.481  |
| PE_28_0 | 0.851 | -0.003 |
| PE_29_0 | 0.851 | -0.013 |
| PE_30_0 | 0.795 | 0.113  |
| PE_30_1 | 0.782 | 0.012  |
| PE_31_0 | 0.854 | 0.083  |
| PE_31_1 | 0.781 | 0.098  |
| PE_31_2 | 0.726 | 0.107  |
| PE_32_0 | 0.755 | 0.245  |
| PE_32_1 | 0.823 | 0.178  |
| PE_32_2 | 0.676 | 0.262  |
| PE_32_3 | 0.790 | 0.032  |
| PE_33_1 | 0.676 | 0.338  |
| PE_33_2 | 0.687 | 0.333  |
| PE_33_3 | 0.703 | 0.075  |
| PE_33_5 | 0.599 | -0.003 |
| PE_34_0 | 0.725 | 0.310  |
| PE_34_1 | 0.810 | 0.165  |
| PE_34_2 | 0.773 | 0.287  |
| PE_34_3 | 0.824 | 0.094  |
| PE_34_4 | 0.868 | 0.071  |
| PE_35_2 | 0.701 | 0.496  |
| PE_36_2 | 0.856 | 0.184  |
| PE_36_3 | 0.880 | 0.128  |
| PE_36_5 | 0.778 | 0.225  |
| PE_37_0 | 0.900 | 0.060  |
| PE_37_2 | 0.860 | 0.033  |

|           |       |        |
|-----------|-------|--------|
| PE_38_5   | 0.525 | 0.452  |
| PE_38_6   | 0.635 | 0.406  |
| PE_39_6   | 0.558 | 0.370  |
| PE_40_6   | 0.442 | 0.442  |
| PG_28_0   | 0.884 | -0.011 |
| PG_30_0   | 0.917 | -0.038 |
| PG_30_1   | 0.667 | -0.205 |
| PG_31_0   | 0.850 | 0.287  |
| PG_31_1   | 0.836 | 0.240  |
| PG_32_1   | 0.882 | 0.023  |
| PG_32_2   | 0.708 | 0.099  |
| PG_33_0   | 0.359 | 0.703  |
| PG_33_1   | 0.676 | 0.462  |
| PG_33_2   | 0.677 | 0.052  |
| PG_34_1   | 0.844 | 0.218  |
| PG_34_2   | 0.937 | -0.138 |
| PG_34_3   | 0.279 | 0.544  |
| PG_34_4   | 0.170 | 0.763  |
| PG_35_0   | 0.530 | -0.560 |
| PG_35_2   | 0.922 | -0.139 |
| PG_36_1   | 0.933 | 0.052  |
| PG_36_2   | 0.916 | -0.262 |
| PG_36_5   | 0.449 | 0.437  |
| PG_36_6   | 0.272 | 0.508  |
| PG_37_2   | 0.907 | -0.074 |
| SQDG_28_0 | 0.722 | -0.392 |
| SQDG_29_0 | 0.426 | 0.118  |
| SQDG_30_0 | 0.514 | -0.113 |
| SQDG_30_1 | 0.779 | -0.211 |
| SQDG_30_2 | 0.640 | -0.284 |
| SQDG_31_1 | 0.788 | 0.006  |
| SQDG_32_0 | 0.404 | 0.434  |
| SQDG_32_1 | 0.718 | -0.084 |
| SQDG_32_2 | 0.603 | 0.042  |
| SQDG_32_3 | 0.576 | -0.612 |
| SQDG_32_4 | 0.535 | -0.235 |
| SQDG_34_0 | 0.038 | 0.398  |
| SQDG_34_1 | 0.402 | 0.091  |
| SQDG_34_2 | 0.738 | 0.111  |
| SQDG_34_3 | 0.393 | 0.337  |
| SQDG_36_1 | 0.847 | -0.185 |
| SQDG_36_2 | 0.899 | -0.146 |
| SQDG_38_1 | 0.748 | -0.192 |