**Table S1 i-iv -**

S1i-

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *bicA1* | *bicA2* | *ccmM* | *ccmK2* | *ccmK3* | *ndhF4* | *ndhD4* | *ndhL* | *chpX* | *atpB* | *sod* | *asp* | *glcD* | *glnA* | *hetR* | *nifH* | *rbcL* | *rca* | *psaB* | *psaC* | *psbA* |  |
| 1 | 0.3490.266 | 0.5950.041 | 0.7850.002 | 0.6270.039 | 0.7070.015 | 0.5140.088 | 0.0930.786 | 0.41590.133 | 0.2910.385 | 0.4080.188 | 0.5290.077 | 0.8240.002 | -0.2190.517 | -0.1860.584 | 0.220.946 | 0.8110.001 | 0.3830.219 | 0.7070.010 | 0.6820.015 | 0.3120.323 | *bicA1* |
|  | 1 | 0.9110.000 | 0.1700.596 | 0.1780.600 | -0.1520.655 | 0.9660.000 | 0.7680.006 | 0.9790.000 | 0.2020.551 | 0.9810.000 | 0.9250.000 | -0.0640.853 | 0.6770.22 | 0.5580.074 | -0.0060.986 | 0.5930.042 | 0.9770.000 | 0.8320.001 | 0.8700.000 | -0.1170.717 | *bicA2* |
|  |  | 1 | 0.5140.088 | 0.8280.002 | 0.7670.006 | 0.9780.000 | 0.5700.067 | 0.9440.000 | 0.6180.043 | 0.9300.000 | 0.9730.000 | 0.5960.053 | 0.1870.581 | 0.2780.407 | 0.0650.840 | 0.8210.001 | 0.9200.000 | 0.9180.000 | 0.9590.000 | 0.1270.694 | *ccmM* |
|  |  |  | 1 | 0.7780.005 | 0.8000.003 | 0.3580.253 | 0.4310.188 | 0.2490.436 | 0.4980.119 | 0.1860.563 | 0.4100.185 | 0.5690.068 | 0.1630.632 | 0.2380.480 | 0.1760.584 | 0.8060.002 | 0.1630.612 | 0.4290.164 | 0.4910.105 | 0.5140.087 | *ccmK2* |
|  |  |  |  | 1 | 0.8940.000 | 0.8560.001 | 0.3760.254 | 0.8050.003 | 0.7930.004 | 0.6500.031 | 0.8020.003 | 0.7330.010 | -0.0110.973 | 0.0450.896 | 0.5330.037 | 0.93610.000 | 0.2640.433 | 0.6000.051 | 0.9100.000 | 0.9050.000 | *ccmK3* |
|  |  |  |  |  | 1 | 0.8320.001 | 0.1180.729 | 0.6160.044 | 0.6520.030 | 0.5830.060 | 0.8310.002 | 0.7540.007 | -0.1620.634 | -0.0780.820 | 0.4500.165 | 0.9120.000 | 0.4660.149 | 0.7360.010 | 0.8800.000 | 0.7790.005 | *ndhF4* |
|  |  |  |  |  |  | 1 | 0.5440.084 | 0.9850.000 | 0.6060.048 | 0.9830.000 | 0.9820.000 | 0.6390.034 | 0.2030.550 | 0.2640.432 | 0.0001.000 | 0.7360.006 | 0.9780.000 | 0.9210.000 | 0.9500.000 | 0.0060.985 | *ndhD4* |
|  |  |  |  |  |  |  | 1 | 0.3500.291 | 0.5260.097 | 0.4510.164 | 0.4040.217 | 0.1050.758 | 0.7830.004 | 0.7800.005 | 0.4220.192 | 0.04160.204 | -0.0990.773 | 0.0490.886 | 0.2210.514 | 0.2400.477 | *ndhL* |
|  |  |  |  |  |  |  |  | 1 | 0.5790.062 | 0.9890.000 | 0.9610.000 | 0.6490.031 | 0.0710.835 | 0.0400.908 | 0.00740.982 | 0.6800.15 | 0.9830.000 | 0.9010.000 | 0.9370.000 | -0.0040.991 | *chpX* |
|  |  |  |  |  |  |  |  |  | 1 | 0.5700.067 | 0.9200.002 | 0.5690.068 | 0.2700.422 | 0.3500.291 | 0.6630.026 | 0.7540.007 | 0.1790.599 | 0.5110.108 | 0.7090.014 | 0.8720.000 | *atpB* |
|  |  |  |  |  |  |  |  |  |  | 1 | 0.9550.000 | 0.8720.000 | 0.0260.94 | 0.0400.908 | -0.0580.857 | 0.6170.033 | 0.9990.000 | 0.8970.000 | 0.8970.000 | 0.9080.000 | *sod* |
|  |  |  |  |  |  |  |  |  |  |  | 1 | 0.8900.056 | 0.2540.452 | 0.3710.262 | 0.0410.899 | 0.7880.002 | 0.9490.000 | 0.9350.000 | 0.9580.000 | 0.1160.720 | *asp* |
|  |  |  |  |  |  |  |  |  |  |  |  | 1 | -0.3360.312 | -0.3050.363 | 0.4430.172 | 0.7790.005 | 0.7640.006 | 0.9150.000 | 0.9080.000 | 0.6480.031 | *glcD* |
|  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.9780.000 | 0.0960.779 | 0.0770.821 | -0.3500.292 | -0.2730.416 | -0.1880.580 | -0.740.828 | *glnA* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.1080.752 | 0.1510.658 | -0.2870.392 | -0.1910.575 | -0.1330.697 | -0.0150.965 | *hetR* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.3330.291 | -0.0840.796 | 0.0280.931 | 0.1190.712 | 0.6660.018 | *nifH* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.5920.043 | 0.8110.001 | 0.8640.000 | 0.5420.069 | *rbcL* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.8850.000 | 0.8950.000 | -0.1260.695 | *rca* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.9630.000 | 0.1190.712 | *psaB* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.2580.418 | *psaC* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | *psbA* |

S1ii-

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *bicA1* | *bicA2* | *ccmM* | *ccmK2* | *ccmK3* | *ndhF4* | *ndhD4* | *ndhL* | *chpX* | *atpB* | *sod* | *asp* | *glcD* | *glnA* | *hetR* | *nifH* | *rbcL* | *rca* | *psaB* | *psaC* | *psbA* |  |
| 1 | 0.9570.000 | 0.7360.004 | 0.8410.000 | 0.8750.000 | 0.5600.046 | 0.6200.031 | 0.5510.051 | 0.6050.037 | 0.7170.006 | 0.7160.006 | 0.7080.007 | 0.7870.001 | 0.2840.397 | 0.3680.265 | 0.7910.001 | 0.7680.002 | 0.4970.098 | 0.5510.051 | 0.7580.003 | 0.7150.006 | *bicA1* |
|  | 1 | 0.6780.015 | 0.8400.001 | 0.9460.000 | 0.4540.138 | 0.5010.117 | 0.5340.074 | 0.5250.097 | 0.6280.029 | 0.6140.034 | 0.7890.002 | 0.6840.014 | 0.1740.631 | 0.2130.555 | 0.7600.004 | 0.9030.000 | 0.7210.008 | 0.6910.013 | 0.6830.014 | 0.6420.024 | *bicA2* |
|  |  | 1 | 0.9580.00 | 0.8020.001 | 0.9460.000 | 0.9450.000 | 0.8110.001 | 0.9570.000 | 0.9730.000 | 0.9540.000 | 0.1620.598 | 0.9130.00 | 0.7230.012 | 0.8160.002 | 0.7960.001 | 0.7950.001 | 0.4670.107 | 0.6640.013 | 0.9800.000 | 0.9630.000 | *ccmM* |
|  |  |  | 1 | 0.9110.000 | 03.8570.000 | 0.8720.000 | 0.7850.001 | 0.8990.000 | 0.9320.000 | 0.9100.000 | 0.3790.202 | 0.8990.000 | 0.5910.055 | 0.6770.022 | 0.8350.000 | 0.8790.000 | 0.5640.045 | 0.7060.007 | 0.9560.000 | 0.9370.000 | *ccmK2* |
|  |  |  |  | 1 | 0.6080.028 | 0.6230.31 | 0.6310.021 | 0.6840.014 | 0.7450.003 | 0.7200.006 | 0.6070.028 | 0.7070.007 | 0.3880.238 | 0.4120.208 | 0.8830.000 | 0.9100.000 | 0.5890.034 | 0.6260.022 | 0.7810.002 | 0.7770.002 | *ccmK3* |
|  |  |  |  |  | 1 | 0.9630.000 | 0.7660.002 | 0.9670.000 | 0.9660.000 | 0.9420.000 | -0.1050.734 | 0.8820.000 | 0.7970.003 | 0.9040.000 | 0.6630.013 | 0.6330.020 | 0.3330.267 | 0.5550.049 | 0.9440.000 | 0.9440.000 | *ndhF4* |
|  |  |  |  |  |  | 1 | 0.8370.001 | 0.9830.000 | 0.9420.000 | 0.9750.000 | -0.0210.947 | 0.9530.000 | 0.7950.003 | 0.8980.000 | 0.6970.012 | 0.7000.011 | 0.4350.157 | 0.6930.012 | 0.9630.000 | 0.9350.000 | *ndhD4* |
|  |  |  |  |  |  |  | 1 | 0.9550.000 | 0.7900.001 | 0.8920.000 | 0.1430.624 | 0.8380.000 | 0.6500.031 | 0.7170.013 | 0.7620.002 | .07050.007 | 0.3100.303 | 0.6120.026 | 0.8550.000 | 0.8200.001 | *ndhL* |
|  |  |  |  |  |  |  |  | 1 | 0.9490.000 | 0.9750.000 | -0.0340.915 | 0.9210.000 | 0.8370.001 | 0.9120.000 | 0.7610.004 | 0.7530.005 | 0.4790.115 | 0.7080.010 | 0.9650.000 | 0.9550.000 | *chpX* |
|  |  |  |  |  |  |  |  |  | 1 | 0.9650.000 | 0.1140.710 | 0.9260.000 | 0.6940.018 | 0.8140.002 | 0.7560.003 | 0.7190.006 | 0.3850.194 | 0.5750.040 | 0.9830.000 | 0.9880.000 | *atpB* |
|  |  |  |  |  |  |  |  |  |  | 1 | 0.1250.683 | 0.9670.000 | 0.7680.006 | 0.8650.001 | 0.8120.001 | 0.7540.003 | 0.440.171 | 0.6510.016 | 0.9830.000 | 0.9690.000 | *sod* |
|  |  |  |  |  |  |  |  |  |  |  | 1 | 0.2720.369 | -0.4220.196 | -0.3870.240 | 0.3820.198 | 0.5240.066 | 0.4120.162 | 0.3330.267 | 0.2050.501 | 0.1490.627 | *asp* |
|  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.6420.033 | 0.7640.006 | 0.7430.004 | 0.7600.003 | 0.4640.110 | 0.7030.0074 | 0.9640.000 | 0.9270.000 | *glcD* |
|  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.9690.000 | 0.6790.022 | 0.4840.132 | 0.2970.375 | 0.5070.112 | 0.6840.020 | 0.6970.017 | *glnA* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.6580.028 | 0.4850.130 | 0.2550.448 | 0.5050.113 | 0.7980.003 | 0.7990.003 | *hetR* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.8460.000 | 0.4700.105 | 0.5880.035 | 0.07930.001 | 0.8020.001 | *nifH* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.78780.001 | 0.8620.000 | 0.7970.00011 | 0.7830.002 | *rbcL* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.9120.000 | 0.4620.112 | 0.4640.110 | *rca* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.6760.11 | 0.6420.018 | *psaB* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.9840.000 | *psaC* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | *psbA* |

S1iii-

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *bicA1* | *bicA2* | *ccmM* | *ccmK2* | *ccmK3* | *ndhF4* | *ndhD4* | *ndhL* | *chpX* | *atpB* | *sod* | *asp* | *glcD* | *glnA* | *hetR* | *nifH* | *rbcL* | *rca* | *psaB* | *psaC* | *psbA* |  |
| 1 | 0.4490.143 | 0.5220.082 | 0.5060.093 | 0.3560.257 | 0.3630.246 | 0.3530.260 | 0.2230.487 | 0.4280.165 | 0.1070.740 | 0.6780.015 | -0.1960.541 | 0.3400.280 | 0.2430.472 | 0.1040.749 | 0.0930.773 | 0.3300.298 | 0.0280.930 | 0.3580.253 | 0.7320.007 | 0.2970.349 | *bicA1* |
|  | 1 | 0.3870.214 | 0.3420.277 | 0.4840.111 | 0.4490.143 | 0.6120.035 | 0.4860.109 | 0.1390.666 | 0.2120.509 | 0.4600.133 | 0.3590.252 | 0.2190.494 | -0.1350.693 | -0.2180.495 | 0.2950.351 | 0.3600.251 | 0.0020.995 | -0.0580.859 | 0.4830.111 | 0.2080.516 | *bicA2* |
|  |  | 1 | 0.9490.000 | 0.7810.003 | 0.8720.00 | 0.8420.001 | 0.1490.644 | 0.8920.000 | 0.5950.041 | 0.4860.110 | -0.1440.655 | 0.4370.156 | 0.6950.017 | 0.6880.013 | 0.6850.014 | 0.8310.001 | -0.2060.520 | -0.2020.528 | 0.5770.050 | 0.7710.003 | *ccmM* |
|  |  |  | 1 | 0.8160.001 | 0.9100.000 | 0.8750.000 | 0.2520.430 | 0.9570.000 | 0.7020.011 | 0.6390.025 | 0.0450.890 | 0.5820.047 | 0.6910.018 | 0.7040.011 | 0.8330.001 | 0.9360.000 | -0.0430.894 | -0.2890.362 | 0.5830.046 | 0.9210.000 | *ccmK2* |
|  |  |  |  | 1 | 0.9480.00 | 0.9020.000 | 0.6830.014 | 0.7560.004 | 0.8810.000 | 0.6480.023 | 0.3990.199 | 0.3540.259 | 0.2520.455 | 0.2830.372 | 0.8120.001 | 0.7480.005 | -0.1150.123 | -0..3780.225 | 0.6140.034 | 0.7050.010 | *ccmK3* |
|  |  |  |  |  | 1 | 0.9230.000 | 0.4810.113 | 0.8470.001 | 0..890.000 | 0.5980.040 | 0.2360.460 | 0.3840.218 | 0.4770.136 | 0.4870.108 | 0.8720.000 | 0.8390.001 | -0.2020.530 | -0.4340.159 | 0.5900.044 | 0.8270.001 | *ndhF4* |
|  |  |  |  |  |  | 1 | 0.4720.121 | 0.7550.005 | 0.7250.008 | 0.5830.047 | 0.3620.247 | 0.4730.120 | 0.4270.190 | 0.4180.177 | 0.8700.000 | 0.8850.000 | -0.0550.866 | -0.5070.093 | 0.4670.126 | 0.7980.002 | *ndhD4* |
|  |  |  |  |  |  |  | 1 | 0.2390.455 | 0.5920.043 | 0.6090.036 | 0.7650.004 | 0.0750.817 | -0.4790.136 | -0.4100.186 | 0.4110.184 | 0.2510.431 | 0.0860.791 | -0.1500.641 | 0.5090.091 | 0.2120.508 | *ndhL* |
|  |  |  |  |  |  |  |  | 1 | 0.6860.014 | 0.5710.053 | -0.0100.976 | 0.4760.118 | 0.6810.021 | 0.7310.007 | 0.7750.003 | 0.8680.000 | -0.1030.750 | -0.2490.434 | 0.5670.054 | 0.8860.000 | *chpX* |
|  |  |  |  |  |  |  |  |  | 1 | 0.5470.066 | 0.4060.190 | 0.2990.345 | 0.2800.404 | 0.3310.294 | 0.8430.001 | 0.6660.018 | -0.1010.754 | -0.4540.138 | 0.4790.115 | 0.7260.007 | *atpB* |
|  |  |  |  |  |  |  |  |  |  | 1 | 0.4000.198 | 0.7020.011 | 0.1780.600 | 0.1690.599 | 0.5640.056 | 0.6170.033 | 0.3420.277 | 0.0980.763 | 0.7250.008 | 0.6350.026 | *sod* |
|  |  |  |  |  |  |  |  |  |  |  | 1 | 0.2390.454 | -0.4620.152 | -0.3810.222 | 0.4780.116 | 0.2470.439 | 0.3740.232 | -0.4080.191 | -0.0380.906 | 0.2220.906 | *asp* |
|  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.5300.093 | 0.5250.079 | 0.5870.045 | 0.7070.010 | 0.6720.017 | 0.0770.812 | 0.2410.451 | 0.7040.011 | *glcD* |
|  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.9900.000 | 0.5180.103 | 0.6790.022 | -0.0590.863 | -0.1500.660 | 0.1000.771 | 0.7030.016 | *glnA* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.5430.088 | 0.6900.013 | -0.0230.944 | -0.1600.619 | 0.0940.771 | 0.7300.007 | *hetR* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.9150.000 | 0.1140.724 | -0.5940.042 | 0.2780.3881 | 0.9290.000 | *nifH* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.1950.544 | -0.3710.236 | 0.3940.205 | 0.9600.000 | *rbcL* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.3110.324 | -0.0850.739 | 0.1520.637 | *rca* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.2610.413 | -0.4030.194 | *psaB* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.3860.216 | *psaC* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | *psbA* |

S1iv-

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *bicA1* | *bicA2* | *ccmM* | *ccmK2* | *ccmK3* | *ndhF4* | *ndhD4* | *ndhL* | *chpX* | *atpB* | *sod* | *asp* | *glcD* | *glnA* | *hetR* | *nifH* | *rbcL* | *rca* | *psaB* | *psaC* | *psbA* |  |
| 1 | 0.9370.000 | 0.9230.00 | 0.9530.00 | 0.6810.015 | 0.4160.179 | 0.1780.580 | 0.8620.000 | 0.0880.787 | 0.4620.130 | 0.4460.146 | 0.3120.324 | 0.3460.271 | 0.0250.941 | 0.0070.984 | 0.2300.472 | 0.3170.316 | 0.0580.857 | 0.2890.363 | 0.8920.000 | 0.3270.300 | *bicA1* |
|  | 1 | 0.8570.000 | 0.8580.000 | 0.5740.051 | 0.5240.080 | 0.2350.463 | 0.7380.002 | 0.0280.931 | 0.3720.234 | 0.4120.184 | 0.2900.360 | 0.3810.221 | 0.1220.722 | 0.0580.866 | 0.2390.454 | 0.3280.298 | 0.0160.960 | 0.1140.723 | 0.7480.005 | 0.3240.304 | *bicA2* |
|  |  | 1 | 0.9790.000 | 0.7670.004 | 0.4970.101 | 0.3180.313 | 0.6380.026 | 0.3550.257 | 0.3690.238 | 0.3230.306 | 0.1130.728 | 0.2530.0428 | 0.3340.316 | 0.3600.276 | 0.3340.289 | 0.4200.174 | -0.0040.991 | 0.2810.377 | 0.8060.002 | 0.1050.745 | *ccmM* |
|  |  |  | 1 | 0.7920.002 | 0.4270.166 | 0.2560.421 | 0.7360.006 | 0.3330.290 | 0.4020.195 | 0.3960.202 | 0.1760.585 | 0.2850.369 | 0.1690.620 | 0.2240.507 | 0.3390.282 | 0.3840.218 | 0.0830.796 | 0.3700.237 | 0.8700.000 | 0.1920.550 | *ccmK2* |
|  |  |  |  | 1 | 0.5180.084 | 0.5610.058 | 0.5820.047 | 0.6370.026 | 0.5790.048 | 0.7000.011 | 0.4330.160 | 0.5670.055 | 0.1770.603 | 0.3670.267 | 0.6710.017 | 0.7260.007 | 0.4060.191 | 0.6700.017 | 0.7060.010 | 0.4200.175 | *ccmK3* |
|  |  |  |  |  | 1 | 0.9130.000 | 0.2640.407 | 0.5070.092 | 0.3780.225 | 0.5490.065 | 0.4620.130 | 0.5820.047 | 0.4040.217 | 0.4910.15 | 0.5950.041 | 0.7990.002 | 0.4390.153 | 0.2190.493 | 0.2650.405 | 0.4650.128 | *ndhF4* |
|  |  |  |  |  |  | 1 | 0.0680.833 | 0.6750.016 | 0.4260.167 | 0.5860.045 | 0.4780.116 | 0.6040.037 | 0.4090.212 | 0.5750.064 | 0.7570.004 | 0.8980.000 | 0.5670.054 | 0.370.231 | 0.1320.682 | 0.4760.118 | *ndhD4* |
|  |  |  |  |  |  |  | 1 | -0.0920.775 | 0.6050.037 | 0.6440.024 | 0.6190.032 | 0.4820.113 | -0.4370.179 | -0.4210.197 | 0.2340.464 | 0.2330.466 | 0.2110.510 | 0.3760.228 | 0.8850.000 | 0.6550.21 | *ndhL* |
|  |  |  |  |  |  |  |  | 1 | 0.0220.946 | 0.3190.313 | -0.0050.988 | 0.2660.404 | 0.3580.279 | 0.7010.016 | 0.6160.033 | 0.6210.031 | 0.4770.117 | 0.4380.155 | 0.1070.741 | 0.0540.867 | *chpX* |
|  |  |  |  |  |  |  |  |  | 1 | 0.6610.019 | 0.7940.002 | 0.4650.127 | -0.1600.638 | -0.1830.589 | 0.6480.023 | 0.5240.080 | 0.23280.456 | 0.5090.091 | 0.6850.014 | 0.6910.013 | *atpB* |
|  |  |  |  |  |  |  |  |  |  | 1 | 0.8860.000 | 0.9120.000 | -0.2600.440 | -0.1090.749 | 0.5490.064 | 0.7780.003 | 0.7790.003 | 0.7660.004 | 0.4990.99 | 0.8960.000 | *sod* |
|  |  |  |  |  |  |  |  |  |  |  | 1 | 0.7880.002 | -0.4340.182 | -0.3890.237 | 0.4570.135 | 0.5930.042 | 0.5780.049 | 0.5610.058 | 0.4490.144 | 0.9590.000 | *asp* |
|  |  |  |  |  |  |  |  |  |  |  |  | 1 | -0.1000.769 | -0.0080.982 | 0.3880.212 | 0.8050.002 | 0.7330.007 | 0.6520.022 | 0.2890.362 | 0.8000.002 | *glcD* |
|  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.9120.000 | 0.1510.657 | 0.3680.266 | -0.2190.518 | -0.1360.691 | -0.2050.545 | -0.5320.092 | *glnA* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.3440.3000 | 0.5030.114 | 0.0130.970 | 0.0290.932 | -0.1740.809 | -0.4300.187 | *hetR* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.6850.014 | 0.4130.182 | 0.4150.179 | 0.3840.218 | 0.4880.108 | *nifH* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.6770.016 | 0.6570.020 | 0.2750.387 | 0.5600.059 | *rbcL* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.7620.004 | 0.0790.808 | 0.6610.019 | *rca* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.4380.154 | 0.5250.080 | *psaB* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.4410.151 | *psaC* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | *psbA* |