

Table S2 Functional classification of gene numbers up- and down-regulated during gentle starvation in PBS-Tween80

| Functional classification ^a | No. of genes ^b | | | | | | | | |
|--|---------------------------|------|------|------|------|------|------|------|------|
| | Total | 1h | | 3h | | 24h | | 14d | |
| | | Up | Down | Up | Down | Up | Down | Up | Down |
| Whole genome | 6716 | 1185 | 1236 | 1212 | 1206 | 1509 | 1563 | 1476 | 1432 |
| Energy production and conversion | 510 | 65 | 76 | 71 | 88 | 98 | 77 | 108 | 84 |
| Amino Acid metabolism and transport | 500 | 107 | 71 | 117 | 82 | 106 | 85 | 97 | 72 |
| Nucleotide metabolism and transport | 103 | 26 | 27 | 21 | 16 | 16 | 29 | 14 | 22 |
| Carbohydrate metabolism and transport | 434 | 46 | 88 | 76 | 62 | 54 | 53 | 66 | 59 |
| Coenzyme metabolism and transport | 212 | 25 | 42 | 18 | 50 | 22 | 59 | 34 | 44 |
| Lipid metabolism and transport | 505 | 38 | 82 | 34 | 76 | 57 | 72 | 69 | 66 |
| Inorganic ion transport and metabolism | 282 | 34 | 55 | 35 | 53 | 48 | 49 | 54 | 65 |
| Secondary metabolites biosynthesis, transport, catabolism | 408 | 38 | 62 | 49 | 64 | 68 | 46 | 60 | 55 |
| RNA processing and modification | 18 | 4 | 0 | 5 | 2 | 4 | 2 | 2 | 2 |
| Chromatin structure and dynamics | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Translation, ribosomal structure and biogenesis | 185 | 9 | 92 | 12 | 97 | 11 | 99 | 11 | 39 |
| Transcription | 600 | 113 | 51 | 97 | 48 | 79 | 42 | 95 | 51 |
| Replication and repair | 210 | 23 | 32 | 22 | 44 | 16 | 29 | 9 | 41 |
| Cell cycle control, cell division, chromosome partitioning | 30 | 6 | 6 | 7 | 2 | 1 | 5 | 0 | 4 |
| Cell wall/membrane/envelop biogenesis | 179 | 21 | 27 | 24 | 21 | 27 | 32 | 18 | 36 |
| Protein export | 10 | 0 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| Posttranslational modification, protein turnover, chaperones | 139 | 23 | 21 | 16 | 23 | 16 | 30 | 18 | 29 |
| Signal transduction mechanisms | 187 | 37 | 15 | 55 | 10 | 54 | 11 | 50 | 19 |
| Intracellular trafficking and secretion | 28 | 3 | 7 | 2 | 7 | 1 | 9 | 1 | 5 |
| Defense mechanisms | 53 | 9 | 6 | 7 | 7 | 6 | 10 | 8 | 13 |
| General functional prediction only | 858 | 106 | 117 | 109 | 130 | 100 | 126 | 99 | 127 |
| Function unknown | 408 | 69 | 46 | 64 | 53 | 44 | 57 | 38 | 70 |
| Not in COGs | 856 | 300 | 181 | 269 | 185 | 290 | 176 | 263 | 198 |

^a According to COG (clusters of orthologous groups) from NCBI NC_008596.

^b Number of genes showing significant expression changes (>2-fold up- or down-regulation and a *P*-value<0.001 and false detection rate<0.005).