

Table S3. *Listeria monocytogenes* gene groups showing positive or negative enrichment^a at 7°C compared to 37°C

| Functional Category | Number of genes in group | Bacteria grown to | |
|--|--------------------------|--------------------|--------------------|
| | | Log phase | Stationary phase |
| Regulons^b | | | |
| CodY | 83 | (-) ^{***} | (+) ^{**} |
| CtsR | 18 | - | (-) [*] |
| HrcA | 20 | (-) ^{**} | - |
| σ^B | 166 | (-) ^{**} | - |
| σ^H | 95 | (+) [*] | (-) ^{**} |
| σ^L | 31 | (-) ^{***} | (-) [*] |
| Functional categories^c | | | |
| Amino acid biosynthesis: aromatic amino acid family | 70 | (-) ^{***} | - |
| Amino acid biosynthesis: glutamate family | 14 | (-) [*] | - |
| Cellular processes: chemotaxis and motility | 26 | (+) ^{***} | - |
| Energy metabolism: amino acids and amines | 28 | (-) [*] | - |
| Energy metabolism: atp-proton motive force interconversion | 19 | - | (+) ^{***} |
| Energy metabolism: biosynthesis and degradation of polysaccharides | 15 | (-) [*] | - |
| Energy metabolism: fermentation | 33 | (-) [*] | - |
| Energy metabolism: pentose pyruvate dehydrogenase | 65 | (-) ^{***} | - |
| Energy metabolism: sugars | 42 | (-) ^{**} | - |
| Protein synthesis: tRNA aminoacylation | 43 | (-) [*] | - |
| Transport and binding proteins: amino acids, peptides and amines | 82 | (+) ^{***} | - |
| Transport and binding proteins: carbohydrates, organic alcohols, and acids | 110 | (-) ^{***} | - |
| Transport and binding proteins: cations | 59 | (+) ^{**} | - |
| Transport and binding proteins: unknown substrate | 100 | (+) ^{**} | - |
| Viral functions: general | 47 | (+) ^{**} | - |

^aReported changes are based on Gene Set Enrichment analysis. (+) indicates that genes comprising group were significantly enriched for higher transcript levels at 7°C compared to 37°C in the same growth phase while (-) indicates significant enrichment for lower transcript levels at 7°C compared to 37°C (i.e. negative enrichment). ***p < 0.001, **p < 0.01, *p < 0.05

^b 7 total regulons were tested for enrichment. PrfA was not included in the table because it was not significantly enriched under any of the conditions tested

^c Functional categories from The Institute for Genomic Research Comprehensive Microbial Resource: <http://cmr.tigr.org>. Only functional categories containing ≥ 10 genes are reported. 74 total functional categories were tested for enrichment, including 39 that contained ≥ 10 genes.