S5 Table. KEGG pathways of *A. anophagefferens* genes differentially expressed in both the CCMP1850 transcriptome [25] and the CCMP1984 infection cycle transcriptome [11].
Columns denote whether all of these genes differentially expressed over the course of the infection cycle at every time point are overexpressed (+), underexpressed (-), or a mixed (+/-).

| KEGG Pathway                          | Down in LowL | Up in LowL | KEGG Pathway                          | Down in LowL | Up in LowL |
|---------------------------------------|--------------|------------|---------------------------------------|--------------|------------|
| ABC transporters                      | + 2 +/- 1    | 1 1        | Glyoxylate and dicarboxylate metabolism| + 1          |            |
| Amino sugar and nucleotide sugar metabolism | 1 1 1        | 1          | Metabolic pathways                    | 7 4 2 14     |            |
| Aminoacyl-tRNA biosynthesis           | 1 1          | 1          | Monobactam biosynthesis                | 1            |            |
| Arachidonic acid metabolism           | 1 1          | 1          | Nitrogen metabolism                   | 1 1          |            |
| Arginine and Proline metabolism       | 1 1          | 1          | One carbon pool by folate             | 1            |            |
| Ascorbate and aldarate metabolism     |              | 1          | Pentose and glucuronate interconversions| 1 1          |            |
| Biosynthesis of amino acids           | 2 1 1        | 1          | Pentose phosphate pathway              | 1 3          |            |
| Biosynthesis of antibiotics           | 1 3 2        | 7          | Peroxisome/Oxidative stress           | 2            |            |
| Biosynthesis of secondary metabolites | 3 2 4        | 2          | Phagosome                             | 2 1          |            |
| Biotin metabolism                     |              | 2          | Phosphatidylinositol signaling system  | 1            |            |
| Carbon metabolism                     | 1 1 2 3      |            | Porphyrin and chlorophyll metabolism  | 1            |            |
| Cyanona amino acid metabolism         | 1            |            | Protein Export                        | 1            |            |
| Cysteine and methioine metabolism     | 1            |            | Protein processing in endoplasmic reticulum | 3 |            |
| DNA replication                       | 3 1          |            | Purine metabolism                     | 3 1          |            |
| Endocytosis                           | 1 3 1        |            | Ribosome                              | 1            |            |
| Ether lipid metabolism                | 1            |            | Ribosome biogenesis in eukaryotes     | 13 2         |            |
| Fatty acid biosynthesis               | 2 3          |            | RNA degradation                       | 2 1          |            |
| Fatty acid metabolism                 | 2 3          |            | RNA polymerase                        | 1 1          |            |
| Fructose and mannose metabolism       | 1 1          |            | RNA transport                         | 2 2          |            |
| Galactose metabolism                  | 1            |            | Selenocompound metabolism              | 1 1          |            |
| Glutathione metabolism                | 2            |            | Spliceosome                           | 3 1          |            |
| Glycerol lipid metabolism             | 1 2          |            | Starch and sucrose metabolism         | 1 1          |            |
| Glycerophospholipid metabolism        | 2            |            | Sulfur metabolism                     | 1 1          |            |
| Glycine, serine and threonine metabolism | 1            |            | Terpenoid backbone biosynthesis       | 1            |            |
| Glycolysis/Gluconeogenesis            | 1 2          |            | Ubiquitin mediated proteolysis        | 2            |            |
| Glycosaminoglycan degradation         | 1            |            | Valine, Leucine, and isoleucine biosynthesis | 1 |            |