

Table S3.

(a) Genes detected as expressed at 1 hpi by Belland et al (2003) but not present in hRNA-Seq (RPKM>0.1 and 10 mapped reads) (b) Genes detected as expressed at 1 hpi by Belland et al (2003) but not present in hRNA-Seq at 1 hpi (RPKM>1.0 and 50 mapped reads) (c) GO-term enrichment for differentially expressed (versus mock infected) host non-hypothetical genes at 1 hpi (d) GO-term enrichment for differentially expressed (versus mock infected) host non-hypothetical genes at 24 hpi

(a)

| Gene ID | Gene Symbol | Function |
|---------|-------------|-------------------------|
| CT473 | <i>yidD</i> | Predicted a-hemolysin |
| CT474 | | Conserved hypothetical |
| CT774 | <i>cysQ</i> | Biphosphate phosphatase |
| CT850 | | Conserved hypothetical |

(b)

| Gene ID | Gene Symbol | Function |
|---------|---------------|----------------------------|
| CT365 | | Conserved hypothetical |
| CT375 | <i>aad</i> | D-amino acid dehydrogenase |
| CT376 | <i>mdhC</i> | Malate dehydrogenase |
| CT474 | | Conserved hypothetical |
| CT480 | <i>oppA.4</i> | Oligopeptide permease |
| CT774 | <i>cysQ</i> | Biphosphate phosphatase |
| CT850 | | Conserved hypothetical |
| CT851 | <i>map</i> | Methionine aminopeptidase |

(c)

| | | |
|------------------------------|-----|------------------------|
| GO:0008150 biological_proces | 210 | 387 biological_process |
| GO:0007568 aging (aging) | 8 | 8 biological_process |
| GO:0048856 anatomical struct | 99 | 123 biological_process |
| GO:0048646 anatomical struct | 32 | 32 biological_process |
| GO:0009058 biosynthetic proc | 116 | 126 biological_process |

| | | |
|----------------------------------|----|------------------------|
| GO:0005975 carbohydrate me | 28 | 28 biological_process |
| GO:0009056 catabolic process | 28 | 66 biological_process |
| GO:0034655 nucleobase-cont | 14 | 40 biological_process |
| GO:0016887 ATPase activity | 12 | 12 molecular_function |
| GO:0003924 GTPase activity | 24 | 24 molecular_function |
| GO:0007155 cell adhesion (ce | 51 | 51 biological_process |
| GO:0007049 cell cycle (cell cy | 21 | 22 biological_process |
| GO:0008219 cell death (cell de | 61 | 61 biological_process |
| GO:0030154 cell differentiator | 89 | 89 biological_process |
| GO:0051301 cell division (cell | 6 | 6 biological_process |
| GO:0034330 cell junction orga | 8 | 8 biological_process |
| GO:0000902 cell morphogene: | 34 | 34 biological_process |
| GO:0048870 cell motility (cell r | 40 | 40 biological_process |
| GO:0008283 cell proliferation (| 52 | 52 biological_process |
| GO:0007267 cell-cell signaling | 34 | 34 biological_process |
| GO:0022607 cellular compone | 21 | 49 biological_process |
| GO:0065003 macromolecular | 6 | 31 biological_process |
| GO:0006461 protein complex | 24 | 24 biological_process |
| GO:0022618 ribonucleoprote | 1 | 1 biological_process |
| GO:0034641 cellular nitrogen (| 92 | 142 biological_process |
| GO:0006259 DNA metabolic p | 13 | 13 biological_process |
| GO:0004518 nuclease activity | 3 | 3 molecular_function |
| GO:0006464 cellular protein m | 74 | 74 biological_process |
| GO:0051276 chromosome org | 10 | 10 biological_process |
| GO:0007059 chromosome seg | 1 | 1 biological_process |
| GO:0003013 circulatory syste | 17 | 17 biological_process |
| GO:0051186 cofactor metaboli | 7 | 7 biological_process |
| GO:0007010 cytoskeleton orga | 29 | 29 biological_process |
| GO:0021700 developmental m | 3 | 3 biological_process |
| GO:0009790 embryo developm | 14 | 14 biological_process |

| | | | |
|---|----|----|--------------------|
| GO:0030234 enzyme regulator | 31 | 31 | molecular_function |
| GO:0030198 extracellular matrix | 19 | 19 | biological_process |
| GO:0006091 generation of precursor | 18 | 18 | biological_process |
| GO:0040007 growth (growth) | 17 | 17 | biological_process |
| GO:0004386 helicase activity (| 2 | 2 | molecular_function |
| GO:0042592 homeostatic process | 42 | 42 | biological_process |
| GO:0016810 hydrolase activity | 3 | 3 | molecular_function |
| GO:0016798 hydrolase activity | 2 | 2 | molecular_function |
| GO:0002376 immune system process | 70 | 70 | biological_process |
| GO:0016853 isomerase activity | 1 | 1 | molecular_function |
| GO:0016301 kinase activity (kinase) | 42 | 42 | molecular_function |
| GO:0016874 ligase activity (ligase) | 12 | 12 | molecular_function |
| GO:0006629 lipid metabolic process | 29 | 29 | biological_process |
| GO:0040011 locomotion (locomotion) | 31 | 56 | biological_process |
| GO:0016829 lyase activity (lyase) | 10 | 10 | molecular_function |
| GO:0061024 membrane organization | 28 | 31 | biological_process |
| GO:0007009 plasma membrane organization | 5 | 5 | biological_process |
| GO:0008168 methyltransferase activity | 1 | 1 | molecular_function |
| GO:0007005 mitochondrion organization | 4 | 4 | biological_process |
| GO:0007067 mitosis (mitosis) | 2 | 2 | biological_process |
| GO:0006397 mRNA processing | 1 | 1 | biological_process |
| GO:0050877 neurological system process | 34 | 34 | biological_process |
| GO:0071941 nitrogen cycle metabolic process | 1 | 1 | biological_process |
| GO:0001071 nucleic acid binding | 30 | 30 | molecular_function |
| GO:0016779 nucleotidyltransferase activity | 2 | 2 | molecular_function |
| GO:0016491 oxidoreductase activity | 23 | 23 | molecular_function |
| GO:0008233 peptidase activity | 31 | 31 | molecular_function |
| GO:0016791 phosphatase activity | 7 | 7 | molecular_function |
| GO:0043473 pigmentation (pigmentation) | 1 | 1 | biological_process |
| GO:0000988 protein binding | 9 | 9 | molecular_function |

| | | |
|-------------------------------|-----|------------------------|
| GO:0006457 protein folding (p | 3 | 3 biological_process |
| GO:0051604 protein maturatio | 9 | 9 biological_process |
| GO:0000003 reproduction (rep | 30 | 30 biological_process |
| GO:0006950 response to stres | 103 | 103 biological_process |
| GO:0007165 signal transductic | 150 | 154 biological_process |
| GO:0004871 signal transduce | 47 | 47 molecular_function |
| GO:0044281 small molecule r | 74 | 99 biological_process |
| GO:0006520 cellular amino ac | 6 | 6 biological_process |
| GO:0006790 sulfur compound | 7 | 7 biological_process |
| GO:0044403 symbiosis, encon | 11 | 11 biological_process |
| GO:0016746 transferase activi | 2 | 2 molecular_function |
| GO:0016757 transferase activi | 7 | 7 molecular_function |
| GO:0006412 translation (trans | 6 | 6 biological_process |
| GO:0008135 translation factor | 1 | 1 molecular_function |
| GO:0006810 transport (transp | 86 | 125 biological_process |
| GO:0030705 cytoskeleton-dep | 2 | 2 biological_process |
| GO:0006913 nucleocytoplasr | 10 | 10 biological_process |
| GO:0006605 protein targeting | 9 | 9 biological_process |
| GO:0008565 protein transport | 1 | 1 molecular_function |
| GO:0055085 transmembrane | 35 | 47 biological_process |
| GO:0022857 transmembrane | 37 | 37 molecular_function |
| GO:0016192 vesicle-mediatec | 47 | 47 biological_process |
| GO:0032196 transposition (tra | 1 | 1 biological_process |
| GO:0005575 cellular_compone | 211 | 406 cellular_component |
| GO:0005623 cell (cell) | 54 | 343 cellular_component |
| GO:0005737 cytoplasm (cytop | 119 | 221 cellular_component |
| GO:0016023 cytoplasmic mer | 25 | 25 cellular_component |
| GO:0005783 endoplasmic reti | 39 | 39 cellular_component |
| GO:0005768 endosome (endc | 16 | 16 cellular_component |
| GO:0005794 Golgi apparatus | 44 | 44 cellular_component |

| | | |
|----------------------------------|-----|------------------------|
| GO:0005739 mitochondrion (r | 39 | 39 cellular_component |
| GO:0005777 peroxisome (per | 1 | 1 cellular_component |
| GO:0005840 ribosome (ribosc | 1 | 1 cellular_component |
| GO:0005773 vacuole (vacuole | 0 | 9 cellular_component |
| GO:0005764 lysosome (lysos | 9 | 9 cellular_component |
| GO:0005829 cytosol (cytosol) | 62 | 62 cellular_component |
| GO:0005576 extracellular regio | 75 | 98 cellular_component |
| GO:0005615 extracellular spac | 44 | 44 cellular_component |
| GO:0005622 intracellular (intra | 69 | 282 cellular_component |
| GO:0005694 chromosome (chr | 7 | 8 cellular_component |
| GO:0000228 nuclear chromo: | 4 | 4 cellular_component |
| GO:0005929 cilium (cilium) | 3 | 3 cellular_component |
| GO:0005856 cytoskeleton (cy | 44 | 50 cellular_component |
| GO:0005634 nucleus (nucleus | 97 | 106 cellular_component |
| GO:0005730 nucleolus (nucle | 9 | 9 cellular_component |
| GO:0005811 lipid particle (lipid | 2 | 2 cellular_component |
| GO:0005815 microtubule orga | 7 | 7 cellular_component |
| GO:0005635 nuclear envelope | 5 | 5 cellular_component |
| GO:0005654 nucleoplasm (nuc | 10 | 10 cellular_component |
| GO:0043226 organelle (organe | 33 | 238 cellular_component |
| GO:0005886 plasma membrar | 139 | 139 cellular_component |
| GO:0043234 protein complex (| 56 | 56 cellular_component |
| GO:0005578 proteinaceous ex | 28 | 28 cellular_component |
| GO:0003674 molecular_funcio | 322 | 401 molecular_function |
| GO:0008092 cytoskeletal prote | 19 | 19 molecular_function |
| GO:0003677 DNA binding (DN | 56 | 56 molecular_function |
| GO:0019899 enzyme binding (| 35 | 35 molecular_function |
| GO:0042393 histone binding (l | 1 | 1 molecular_function |
| GO:0043167 ion binding (ion b | 163 | 163 molecular_function |
| GO:0008289 lipid binding (lipic | 23 | 23 molecular_function |

| | | |
|-------------------------------|----|-----------------------|
| GO:0030674 protein binding, b | 3 | 3 molecular_function |
| GO:0003723 RNA binding (RN | 7 | 8 molecular_function |
| GO:0003729 mRNA binding (r | 1 | 1 molecular_function |
| GO:0032182 small conjugating | 1 | 1 molecular_function |
| GO:0005198 structural molecu | 20 | 20 molecular_function |
| GO:0008134 transcription fact | 15 | 15 molecular_function |
| GO:0051082 unfolded protein | 1 | 1 molecular_function |

(d)

| | | |
|----------------------------------|----|-----------------------|
| GO:0008150 biological_process | 43 | 77 biological_process |
| GO:0048856 anatomical struct | 22 | 27 biological_process |
| GO:0048646 anatomical struct | 9 | 9 biological_process |
| GO:0009058 biosynthetic proce | 17 | 20 biological_process |
| GO:0005975 carbohydrate met | 5 | 5 biological_process |
| GO:0009056 catabolic process | 3 | 14 biological_process |
| GO:0034655 nucleobase-conta | 3 | 11 biological_process |
| GO:0016887 ATPase activity (| 5 | 5 molecular_function |
| GO:0003924 GTPase activity (| 5 | 5 molecular_function |
| GO:0007155 cell adhesion (cell | 7 | 7 biological_process |
| GO:0007049 cell cycle (cell cycl | 6 | 6 biological_process |
| GO:0008219 cell death (cell de | 12 | 12 biological_process |
| GO:0030154 cell differentiation | 23 | 23 biological_process |
| GO:0051301 cell division (cell c | 1 | 1 biological_process |
| GO:0034330 cell junction organ | 2 | 2 biological_process |
| GO:0000902 cell morphogenes | 9 | 9 biological_process |
| GO:0048870 cell motility (cell r | 8 | 8 biological_process |
| GO:0008283 cell proliferation (| 12 | 12 biological_process |
| GO:0007267 cell-cell signaling (| 5 | 5 biological_process |
| GO:0022607 cellular componen | 5 | 11 biological_process |
| GO:0065003 macromolecular | 1 | 8 biological_process |

| | | |
|----------------------------------|----|-----------------------|
| GO:0006461 protein complex | 7 | 7 biological_process |
| GO:0034641 cellular nitrogen c | 15 | 27 biological_process |
| GO:0006259 DNA metabolic p | 2 | 2 biological_process |
| GO:0004518 nuclease activity | 2 | 2 molecular_function |
| GO:0006464 cellular protein m | 17 | 17 biological_process |
| GO:0051276 chromosome orga | 2 | 2 biological_process |
| GO:0007059 chromosome segr | 1 | 1 biological_process |
| GO:0003013 circulatory system | 5 | 5 biological_process |
| GO:0051186 cofactor metaboli | 2 | 2 biological_process |
| GO:0007010 cytoskeleton orga | 8 | 8 biological_process |
| GO:0021700 developmental m | 4 | 4 biological_process |
| GO:0009790 embryo developr | 6 | 6 biological_process |
| GO:0030234 enzyme regulator | 4 | 4 molecular_function |
| GO:0030198 extracellular matr | 5 | 5 biological_process |
| GO:0006091 generation of pre | 2 | 2 biological_process |
| GO:0040007 growth (growth) | 5 | 5 biological_process |
| GO:0004386 helicase activity (l | 1 | 1 molecular_function |
| GO:0042592 homeostatic proc | 9 | 9 biological_process |
| GO:0016810 hydrolase activity | 1 | 1 molecular_function |
| GO:0002376 immune system p | 10 | 10 biological_process |
| GO:0016301 kinase activity (kir | 11 | 11 molecular_function |
| GO:0016874 ligase activity (liga | 1 | 1 molecular_function |
| GO:0006629 lipid metabolic pr | 7 | 7 biological_process |
| GO:0040011 locomotion (locor | 4 | 10 biological_process |
| GO:0016829 lyase activity (lyas | 3 | 3 molecular_function |
| GO:0061024 membrane organi | 6 | 6 biological_process |
| GO:0008168 methyltransferase | 1 | 1 molecular_function |
| GO:0007005 mitochondrion or | 1 | 1 biological_process |
| GO:0007067 mitosis (mitosis) | 1 | 1 biological_process |
| GO:0050877 neurological syste | 6 | 6 biological_process |

| | | |
|--------------------------------|----|-----------------------|
| GO:0001071 nucleic acid bindi | 7 | 7 molecular_function |
| GO:0016779 nucleotidyltransfe | 1 | 1 molecular_function |
| GO:0016491 oxidoreductase ac | 2 | 2 molecular_function |
| GO:0008233 peptidase activity | 7 | 7 molecular_function |
| GO:0016791 phosphatase activi | 3 | 3 molecular_function |
| GO:0000988 protein binding tr | 2 | 2 molecular_function |
| GO:0006457 protein folding (p | 1 | 1 biological_process |
| GO:0051604 protein maturatio | 2 | 2 biological_process |
| GO:0000003 reproduction (rep | 11 | 11 biological_process |
| GO:0006950 response to stres | 16 | 16 biological_process |
| GO:0007165 signal transductio | 26 | 27 biological_process |
| GO:0004871 signal transducer | 10 | 10 molecular_function |
| GO:0044281 small molecule m | 14 | 22 biological_process |
| GO:0006520 cellular amino ac | 1 | 1 biological_process |
| GO:0006790 sulfur compound | 1 | 1 biological_process |
| GO:0044403 symbiosis, encom | 1 | 1 biological_process |
| GO:0016757 transferase activit | 3 | 3 molecular_function |
| GO:0006810 transport (transp | 18 | 22 biological_process |
| GO:0030705 cytoskeleton-dep | 1 | 1 biological_process |
| GO:0006913 nucleocytoplasm | 3 | 3 biological_process |
| GO:0006605 protein targeting | 3 | 3 biological_process |
| GO:0055085 transmembrane t | 6 | 11 biological_process |
| GO:0022857 transmembrane | 11 | 11 molecular_function |
| GO:0016192 vesicle-mediated | 7 | 7 biological_process |
| GO:0005575 cellular_componen | 40 | 80 cellular_component |
| GO:0005623 cell (cell) | 9 | 61 cellular_component |
| GO:0005737 cytoplasm (cytopl | 23 | 38 cellular_component |
| GO:0016023 cytoplasmic merr | 3 | 3 cellular_component |
| GO:0005783 endoplasmic retic | 8 | 8 cellular_component |
| GO:0005768 endosome (endo | 2 | 2 cellular_component |

| | | |
|---------------------------------|----|-----------------------|
| GO:0005794 Golgi apparatus (| 11 | 11 cellular_component |
| GO:0005739 mitochondrion (r | 7 | 7 cellular_component |
| GO:0005840 ribosome (riboso | 1 | 1 cellular_component |
| GO:0005773 vacuole (vacuole) | 0 | 1 cellular_component |
| GO:0005764 lysosome (lysosc | 1 | 1 cellular_component |
| GO:0005829 cytosol (cytosol) | 13 | 13 cellular_component |
| GO:0005576 extracellular regio | 17 | 23 cellular_component |
| GO:0005615 extracellular spac | 9 | 9 cellular_component |
| GO:0005622 intracellular (intra | 7 | 46 cellular_component |
| GO:0005694 chromosome (chr | 1 | 1 cellular_component |
| GO:0005856 cytoskeleton (cyt | 12 | 12 cellular_component |
| GO:0005634 nucleus (nucleus) | 17 | 20 cellular_component |
| GO:0005730 nucleolus (nucle | 1 | 1 cellular_component |
| GO:0005635 nuclear envelope | 1 | 1 cellular_component |
| GO:0005654 nucleoplasm (nuc | 3 | 3 cellular_component |
| GO:0043226 organelle (organe | 9 | 41 cellular_component |
| GO:0005886 plasma membran | 32 | 32 cellular_component |
| GO:0043234 protein complex (| 12 | 12 cellular_component |
| GO:0005578 proteinaceous ext | 9 | 9 cellular_component |
| GO:0003674 molecular_functio | 60 | 78 molecular_function |
| GO:0008092 cytoskeletal prote | 5 | 5 molecular_function |
| GO:0003677 DNA binding (DNA | 10 | 10 molecular_function |
| GO:0019899 enzyme binding (e | 6 | 6 molecular_function |
| GO:0043167 ion binding (ion b | 41 | 41 molecular_function |
| GO:0008289 lipid binding (lipid | 4 | 4 molecular_function |
| GO:0005198 structural molecu | 3 | 3 molecular_function |
| GO:0008134 transcription fact | 2 | 2 molecular_function |
| GO:0051082 unfolded protein | 1 | 1 molecular_function |