**S2 Table. Ordered list of the first twenty groups of genes down-regulated in ETEC treated loops, compared to CTRL loops (NES, normalized enrichment score; FDR, false discovery rate).**

|  |  |  |  |
| --- | --- | --- | --- |
| NAME | SIZE | NES | FDR q-val |
| SECONDARY\_ACTIVE\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY | 37 | -2.111 | 0.003 |
| SPHINGOLIPID\_METABOLIC\_PROCESS | 23 | -1.974 | 0.020 |
| LIGAND\_DEPENDENT\_NUCLEAR\_RECEPTOR\_ACTIVITY | 22 | -1.957 | 0.019 |
| ORGANIC\_ACID\_METABOLIC\_PROCESS | 144 | -1.945 | 0.017 |
| CARBOXYLIC\_ACID\_METABOLIC\_PROCESS | 143 | -1.917 | 0.021 |
| AMINO\_ACID\_AND\_DERIVATIVE\_METABOLIC\_PROCESS | 80 | -1.899 | 0.023 |
| SYMPORTER\_ACTIVITY | 25 | -1.889 | 0.023 |
| LIPID\_TRANSPORT | 22 | -1.857 | 0.031 |
| PEROXISOME | 37 | -1.836 | 0.036 |
| MICROBODY | 37 | -1.833 | 0.034 |
| NITROGEN\_COMPOUND\_METABOLIC\_PROCESS | 123 | -1.802 | 0.047 |
| LIPID\_METABOLIC\_PROCESS | 234 | -1.802 | 0.043 |
| OXIDOREDUCTASE\_ACTIVITY\_ACTING\_ON\_THE\_ALDEHYDE\_OR\_OXO\_GROUP\_OF\_DONORS | 16 | -1.785 | 0.049 |
| ACTIVE\_TRANSMEMBRANE\_TRANSPORTER\_ACTIVITY | 98 | -1.782 | 0.047 |
| CELLULAR\_LIPID\_METABOLIC\_PROCESS | 184 | -1.780 | 0.045 |
| COFACTOR\_BINDING | 22 | -1.776 | 0.044 |
| AMINE\_METABOLIC\_PROCESS | 113 | -1.776 | 0.042 |
| REGULATION\_OF\_NEUROTRANSMITTER\_LEVELS | 21 | -1.757 | 0.049 |
| COENZYME\_BINDING | 16 | -1.754 | 0.048 |
| AMINO\_ACID\_METABOLIC\_PROCESS | 65 | -1.752 | 0.046 |