

## 01\_README.pdf

02\_Summary\_Table\_organism.csv: GDS summary table for selected organism and keyword.

03\_Results\_sig\_genes.csv: Summary table with number of significant studies per gene.

04\_Results\_sig\_studies.csv: Summary table with number of significant genes per study.

05\_pValues\_summary.csv: Unadjusted p-values for all mapped genes in studies with at least two samples per group. For genes with multiple probes the lowest p-value is shown. NA = gene was not mapped to a GDS or GDS had fewer than 2 Ns per group.

06\_max\_log2FC\_summary.csv: Summary of largest absolute log2 fold change between the experimental groups for a mapped gene in a study with at least two samples per group. NA = gene was not mapped to a GDS or GDS had fewer than 2 Ns per group.

PDF files: Dot plots for probes that reached significance in ANOVA based on user-specified alpha level (default = 0.05). Red lines = mean.

CSV files: Expression values that were used to generate dot plots for significant probes.

### Example output plot:

