**Digital Commons – Data Fields**

**Author(s) AND their Email addresses**

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**Title of Your Dataset or Journal article:**

Consumption of the total Western diet promotes colitis and inflammation-associated colorectal cancer in mice. Supplementary File 2 – nSolver differential expression analysis results.

**Description (short description of your dataset; indicate it is supporting an article):**

Microsoft Excel document with output from nSolver for differential expression analyses for pairwise comparisons noted by each named sheet. This data set is supporting material for a journal article.

**Comments**:(*anything you need people to know right up front – special software they will need to use your data? Order of download or use? This information appears on the front of the Digital Commons page, with the title, the Journal title, authors, etc. so it’s a good place to show users important information*)

|  |  |
| --- | --- |
| **Supplementary file 2 column definitions.** | |
| Gene symbol | Official gene symbol for *Mus musculus* |
| Log2 fold change | Average log2 fold change calculated for comparison indicated by name of spreadsheet tab |
| std error (log2) | Log2 standard error of the calculated average log2 fold change |
| lower confidence limit | Upper 95% confidence limit of the average log2 fold change |
| upper confidence limit | Lower 95% confidence limit of the average log2 fold change |
| linear fold change | Average linear fold change calculated for comparison indicated by name of spreadsheet tab |
| lower confidence limit (linear) | Upper 95% confidence limit of the average linear fold change |
| upper confidence limit (linear) | Lower 95% confidence limit of the average linear fold change |
| P-value | Unadjusted P-value |
| BH.p.value | False discovery rate adjusted P-value using the Benjamini-Hochberg method |
| method | Differential expression test method, where “wald” indicates the mixture negative binomial model, “lm.nb” indicates the simplified negative binomial model, and “loglinear” indicates the log-linear model. |
| Gene.sets | Gene sets or pathways to which the indicated gene belongs within the annotated Nanostring probe set |
| probe.ID | NanoString probe identification |

**Discipline:** Toxicology

*We usually select based on your department and area*

*You can see a list of disciplines here:* [*http://network.bepress.com/*](http://network.bepress.com/)

*At the bottom of the page, you can click and drill down through the subsequent pages to see additional breakdown*.

**Keywords:**

Western diet; colitis; inflammation; colorectal cancer; calcium; vitamin D; transcript profiling; NanoString

**Journal:** Nutrients

*If applicable, name of journal in which your article is appearing that your dataset is supporting*

**Volume, Issue, Date (year is fine that is all you have):**

*For journal issue*

2020

**Embargo:** 02/18/2020

*Date that you want the data to be made public. If immediate, enter today’s date*