**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 6 – Metascape ontology results.

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

Microsoft Excel document with output from Metascape ontology analyses for specific pairwise comparisons of diet groups at each time point or to prior published expression data. 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*)

Results for each comparison are presented on a separate tab, as follows:

|  |  |
| --- | --- |
| **Tab title** | **Description** |
| AIN all DEGs col v pre | All differentially expressed genes for mice fed AIN diet when comparing colitis to pre-DSS time point |
| AIN all DEGs rec v pre | All differentially expressed genes for mice fed AIN diet when comparing recovery to pre-DSS time point |
| TWD all DEGs col v pre | All differentially expressed genes for mice fed TWD diet when comparing colitis to pre-DSS time point |
| TWD all DEGs rec v pre | All differentially expressed genes for mice fed TWD diet when comparing recovery to pre-DSS time point |
| TWD unique DEGs col v pre | All differentially expressed genes uniquely expressed in mice fed TWD when comparing colitis to pre-DSS time point |
| TWD unique DEGs recovery v pre | All differentially expressed genes uniquely expressed in mice fed TWD when comparing recovery to pre-DSS time point |
| unique to TWD vs Fang or Wu | Differentially expressed genes unique to TWD in this study as compared to differentially expressed genes in Fang et al (doi:10.1152/physiolgenomics.00138.2010) or Wu et al (doi:10.1053/j.gastro.2008.07.068) |

|  |  |
| --- | --- |
| **Column descriptions for each tab** | |
| Group ID | Cluster grouping ID. Cells colored orange and labeled “summary” indicate IDs that had the lowest p-value and were used to name the cluster; cells colored blue and labeled “member” are other IDs that formed the cluster |
| Category | Indicates the database for ontology analysis |
| Term | Ontology term ID |
| LogP | The log10 of the p-value |
| Log(q-value) | The log10 of the FDR q-value |
| InTerm\_InList | Number of genes associated with the term/number of genes in the query list |
| Genes | Gene IDs that matched to the term |
| Symbols | Gene symbols that matched to the term |

**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*