Delta curves

16S – Check w/ Garret and Claire

MetaG

Liver metaB

Taxa correlated w/ delta curves

Taxa correlated w/ liver metaB

Inulinase genes in MetaG

Taxa of inulinase genes

Mucin-glycan degradation genes in MetaG

Taxa of mucin-glycan degradation genes

CAZymes in MetaG

Taxa of CAZymes

DIABLO = <http://mixomics.org/mixdiablo/>

Rey Lab code = <https://github.com/KiRinHong/fiberNmicrobiome/tree/main/code>

Mmvec (microbe-metabolite co-occurrence) = <https://github.com/biocore/mmvec>

Write first draft

Discuss as we go

Cecum content -

Plasma -

Liver –

Only summer & winter; spring still needs to be analyzed

Make google drive so Matt can access

Mannitol? <- Leave out for now unless otherwise stated

Weave saline & inulin? Or keep as separate stories?

PCA/PLS/sPLSDA example code = <https://github.com/gkong1/longitudinal_metagenomics_analysis>

AMON (predict origin of metabolites) = <https://github.com/lozuponelab/AMON>

Vanted = <https://www.cls.uni-konstanz.de/software/vanted/tutorialsexample-files/demo-session/>

Metacyc = <https://metacyc.org/MetaCycUserGuide.shtml>

~~Gaggle =~~ [~~https://www.g6g-softwaredirectory.com/bio/cross-omics/dbs-kbs/20222InstSystBiolNYUGaggle.php~~](https://www.g6g-softwaredirectory.com/bio/cross-omics/dbs-kbs/20222InstSystBiolNYUGaggle.php)

MetaboAnalyst = <https://www.metaboanalyst.ca/>

OmicsPLS = <https://github.com/selbouhaddani/OmicsPLS>

Reactome = <https://reactome.org/>