Supplemental Material

Characterization of conserved toxicogenomic responses in chemically exposed hepatocytes across species and platforms

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All supplemental material are being hosted and maintained at a companion website (http://www.pmgenomics.ca/bhklab/pubs/tggates/). The following files are available:

Supplemental Material S1:

Venn diagram showing the overlap between human and rat Reactome pathways.

http://www.pmgenomics.ca/bhklab/sites/default/files/downloads/S1.pdf

Supplemental Material S2:

One hundred and fifteen common chemicals analyzed in the TG-GATEs project. Among the experiments in TG-GATEs, these 115 chemicals were common for the rat in vivo, primary human hepatocytes, and primary rat hepatocytes platforms. This included known rat hepatocarcinogens. Non-carcinogenic compounds, selected as a negative control, are highlighted in blue.

http://www.pmgenomics.ca/bhklab/sites/default/files/downloads/S2.pdf

Supplemental Material S3:

Zip file of all module heatmaps in RLV, PHH and PRH.

http://www.pmgenomics.ca/bhklab/sites/default/files/downloads/S3.zip

Supplemental Material S4:

Zip file with xls files containing p-values of module overlaps (for all experimental settings), p-values for the 'special' cases such as hepatocarcinogens/cancer pathways/etc.

http://www.pmgenomics.ca/bhklab/sites/default/files/downloads/S4.zip

Supplemental Material S5:

Zip file with all leading edge genes in all modules for all datasets.

http://www.pmgenomics.ca/bhklab/sites/default/files/downloads/S5.zip

Supplemental Material S6:

Document describing how to reproduce the study results by running the analysis pipeline.

http://www.pmgenomics.ca/bhklab/sites/default/files/downloads/S6.pdf

Supplemental Material S7:

Analysis pipeline code without microarray data, also available at https://github.com/bhaibeka/TGGATES.

http://www.pmgenomics.ca/bhklab/sites/default/files/downloads/S7.zip

Supplemental Material S8:

Histograms showing the distribution of significant differentially expressed genes in hepatocarcinogens vs. non hepatocarcinogens, in RLV, PRH and PHH respectively.

http://www.pmgenomics.ca/bhklab/sites/default/files/downloads/S8.zip