

# 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/pubs/tggates/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/pubs/tggates/S2.pdf>

**Supplemental Material S3:**

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

<http://www.pmgenomics.ca/bhklab/pubs/tggates/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/pubs/tggates/S4.zip>

**Supplemental Material S5:**

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

<http://www.pmgenomics.ca/bhklab/pubs/tggates/S5.zip>

**Supplemental Material S6:**

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

<http://www.pmgenomics.ca/bhklab/pubs/tggates/S6.pdf>

**Supplemental Material S7:**

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

<http://www.pmgenomics.ca/bhklab/pubs/tggates/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/pubs/tggates/S8.zip>