### Atrazine Exposure

<table>
<thead>
<tr>
<th>Atrazine [mg kg⁻¹]</th>
<th>Expression (relative to mean control values)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>5.0</td>
</tr>
<tr>
<td>20</td>
<td>4.0</td>
</tr>
<tr>
<td>9</td>
<td>3.0</td>
</tr>
<tr>
<td>59</td>
<td>2.0</td>
</tr>
<tr>
<td>35</td>
<td>1.2</td>
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<tr>
<td>1.0</td>
<td>0.8</td>
</tr>
<tr>
<td>0.8</td>
<td>0.6</td>
</tr>
<tr>
<td>0.6</td>
<td>0.4</td>
</tr>
<tr>
<td>0.4</td>
<td>0.2</td>
</tr>
<tr>
<td>0.2</td>
<td>0.0</td>
</tr>
</tbody>
</table>

### Genes and Pathways

#### Detoxification/Metabolism
- Lr_LC1ED_41E05: Microsomal glutathione S-transferase 3
- Lr_Cd2CF_08H04: Cytochrome P450 2R1
- Lr_PAHCF_64D03: UV excision repair protein RAD23 homolog B
- Lr_PAHCF_58F12: Hus1+-like protein (HUS1 checkpoint protein)
- Lr_CHECF_57B11: DNA-directed RNA polymerase II largest subunit
- Lr_Cd2CF_65C05: Ubiquitin and ribosomal protein S27a

#### DNA Damage / Cell Cycle
- Lr_PAHCF_58F12: Hus1+-like protein (HUS1 checkpoint protein)
- Lr_PAHCF_64D03: UV excision repair protein RAD23 homolog B
- Lr_PAHCF_58F12: Hus1+-like protein (HUS1 checkpoint protein)
- Lr_PAHCF_57B11: DNA-directed RNA polymerase II largest subunit
- Lr_Cd2CF_65C05: Ubiquitin and ribosomal protein S27a

#### Oxidative Phosphorylation
- Lr_PAHCF_72E02: Cytochrome C oxidase subunit Vla homolog
- Lr_PAHCF_70G10: NADH dehydrogenase 1 α subcomplex 9
- Lr_CHECF_50A05: ATP synthase, H⁺ transporting, mito. F1 α
- Lr_CHECF_30D09: ATP synthase B chain, mitochondrial
- Lr_PAHCF_67B04: Succinate dehydrogenase iron-sulfur protein
- Lr_Cd2CF_05D11: Vacular ATP synthase subunit D

#### Protein Catabolism
- Lr_AT1CF_23D02: Zn-carboxypeptidase
- Lr_Cu2CF_03B10: Aminopeptidase
- Lr_Cu2CF_38A02: Serine proteinase
- Lr_JV2CF_27H10: Lumbrokinase-4 (Protease E)
- Lr_PAHCF_01E07: Lumbrokinase-5 (Serine Protease)
- Lr_Cd2CF_20A03: ubiquitin-conjugating enzyme
- Lr_CHECF_14C07: ubiquitin-conjugating enzyme
- Lr_Cu2CF_16F02: Proteasome (PSMB2 protein)
- Lr_LC1ED_18C07: Cathepsin C

#### Protein Synthesis
- Lr_PAHCF_66G07: Ribosomal protein L5
- Lr_CHECF_19C10: 40S ribosomal protein S27
- Lr_AT1CF_38F10: 40S ribosomal protein S12
- Lr_PAHCF_15H02: 40S ribosomal protein S27
- Lr_PAHCF_03G05: Ribosomal protein L17
- Lr_PAHCF_58F12: 40S ribosomal protein S5
- Lr_CHECF_82C07: 40S ribosomal protein S23
- Lr_AT1CF_25E10: Elongation factor-2
- Lr_Cd2CF_02F05: Elongation factor 1-alpha 2
- Lr_AT1CF_11B02: Elongation factor 1-alpha 2