

Data Dictionary

| Field Name | Field Contents |
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| % Body Weight | Weight of tissue in relation to the total weight of animal |
| % change in body weight | Difference in weight of the animal from the start of the study until day of sacrifice |
| Alanine Aminotransferase | Type of enzyme mostly located in the liver measured in the serum |
| Alkaline Phosphatase | Type of enzyme mostly located in the liver measured in the serum |
| ANID | Animal Identification number for each individual mouse |
| B-cells | B lymphocyte involved in the adaptive immune system that secretes antibodies. |
| Bile, hepatocyte | Measure of histology liver damage |
| CD11b- DCs | Dendritic cell that does not express CD11b. |
| CD11b+ | Immune cell expressing CD11b. |
| CD11b+ DCs | Dendritic cell that does express CD11b. |
| Cd36, Lpl, Scd1 | Cytokines involved in steatosis that were measured in the liver following PFAS exposure. |
| CD4 T cells | T lymphocytes expressing CD4, or "helper T cells" in indicated tissue. |
| CD45+ | Cell population of immune cells that express CD45 |
| CD8 T cells | T lymphocytes expressing CD8, or "cytotoxic T cells". |

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| CD86 B-cells | Level of expression of CD86 on a b-cell |
| CD86 DCs | Level of expression of CD86 on a dendritic cell. |
| Cell Frequency | Percentage of specific immune cell population present in specific tissues compared to other immune cell populations. |
| Cell Population | Group of cells with the same characteristic. |
| Cellularity | Number of total cells in a single cell suspension from a tissue. |
| Chac1 | Channel and transporter |
| Cholesterol | Type of lipid produced by the liver measured in the serum, high cholesterol can lead to disease. |
| Crim1 | Cytokine receptor |
| Decreased cellularity, lymphocyte | Histopathologic finding in spleen |
| Dendritic cells | Immune cell that processes antigen material and presents it to the T cells. |
| dLN | draining lymph node; lymph node draining the lung. Tissue used for analysis. |
| Eosinophils | Immune cell lymphocyte involved in inflammation. |
| Fbxo38 | Gene involved in cell cycle |
| Fold Change | Fold change in gene expression compared to unexposed control. Determined by real-time PCR |
| Glucose | Simple sugar used as energy source and component of many carbohydrates. |

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| Group | Indicates specific animal treatment or exposure |
| Hypertrophy | Increase in the size of liver cells |
| Id1 | Transcription factor |
| IL-1 β , IL-6, Tslp, Cxcl1, S100a8a, Il-10, Ctse, Abcg1 | Immune related cytokines that were measured in the ear/spleen/liver following PFAS exposure. |
| Infiltrate, mononuclear cell | Histopathologic finding in the kidney |
| Lor, Flg, Krt10, Flg2, Itgbl1, Krt14 | Genes involved in skin barrier function measured in the ear following PFAS exposure. |
| MFI | Median fluorescent intensity, measures level of expression on a per cell basis. |
| mg/dL | Milligram per deciliter, measurement of the amount of a substance in a specific amount of blood. |
| MHCII B-cells | Level of expression of the major histocompatibility complex II on a b-cell |
| MHCII DCs | Level of expression of the major histocompatibility complex II on a dendritic cell |
| Minimal, mild, moderate, marked | Histopathology terms in terms of severity of damage to a tissue by the chemical exposure where "minimal" is the least amount of damage and increases to "marked" as the most severe amount of damage. |
| Necrosis | Form of cell injury which results in premature death of cells |
| Neutrophils | Immune cell type that responds to cellular stress. |
| Natural Killer cells | Immune cell lymphocyte involved in the innate immune response. |

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| Number of cells | Total number of specific immune cell population present in specific tissue. |
| PFC | Plaque-forming cell measured in sheep red blood cell assay |
| PFHxS | The synthetic polyfluoroalkyl substance, perfluorohexane sulfonic acid, applied to the ears of the mice |
| Pigment macrophage | Measure of histology liver damage |
| Pla2g12a, Avp1a, Apa1 | Genes involved in hepatotoxicity |
| Pltp, Ppar α , Ppar δ , Ppar γ , Acox1, Ehhadh, Cpt1b, Cyp4a10, Cyp7a1 | Cytokines that are Ppar target genes involved in fatty acid metabolism and ligand transport measured in the liver/spleen/ear following PFAS exposure. |
| Serpine1 | Cytokine involved in necrosis that was measured in the liver and ear following PFAS exposure. |
| Tlr5, 6, 7, 8 | Pattern recognition receptor |
| U/L | Units per liter |
| Urea Nitrogen | Normal waste product produced by the liver, released into the blood. |
| VC | Acetone vehicle control applied to the ears of the mice |