

## Data Dictionary

Field Name	Field Contents
% 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 dpi indicated
µg/mL	Micrograms per milliliter
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.
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”.
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 Number	Total number of specific immune cell population present in specific tissue.
Cell Population	Group of cells with the same characteristic.
Cellularity	Number of total cells in a single cell suspension from a tissue.
Cholesterol	Type of lipid produced by the liver measured in the serum, high cholesterol can lead to disease.
Degeneration/regeneration	Defect in cartilage
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.
Fabp1	Cytokine involved in phospholipidosis that was measured in the liver following PFAS exposure.
Fibrosis	Wound healing with connective tissue leading to tissue remodeling
Fold Change	Fold change in gene expression compared to 0% control. Determined by real-time PCR
Glucose	Simple sugar used as energy source and component of many carbohydrates.

Hyperkeratosis	Increase in amount of compressed keratin in the skin, thickening of the outer layer of the skin.
Hyperplasia	Increase in number of keratinocyte layers in the skin
Hypertrophy	Increase in the size of liver cells
IL-6, Tslp, S100a7a, S100a8a	Immune related cytokines that were measured in the ear following PFAS exposure.
Inflammation	Neutrophil, lymphocyte, and/or macrophage influx scattered within the fibrosis
Lor, Flg, Krt10	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	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.
NK cells	Immune cell lymphocyte involved in the innate immune response.

PFHpA	The synthetic polyfluoroalkyl substance, perfluoroheptanoic acid, applied to the ears of the mice
PFHxA	The synthetic polyfluoroalkyl substance, perfluorohexanoic acid, applied to the ears of the mice
PFPeA	The synthetic polyfluoroalkyl substance, perfluoropentanoic acid, applied to the ears of the mice
Pltp, Ppar $\alpha$ , Ppar $\delta$ , Ppar $\gamma$ , Acox1, Ehhadh	Cytokines that are Ppara target genes involved in fatty acid metabolism and ligand transport measured in the liver and/or the ear following PFAS exposure.
Serpine1	Cytokine involved in necrosis that was measured in the liver and ear following PFAS exposure.
Treatment	Indicates specific animal treatment or exposure
U/L	Units per liter
Urea Nitrogen	Normal waste product produced by the liver, released into the blood.
Value	Number associated with serum parameter measured
VC	Acetone vehicle control applied to the ears of the mice