

Data Dictionary

Field Name	Field Contents
VC	Acetone vehicle control applied to the ears of the mice
TCS	The antimicrobial chemical agent, triclosan, applied to the ears of the mice
PR8	Mouse-adapted A(H1N1) influenza A/Puerto Rico/8/34 (PR8) used for infection
S	Phosphate buffered saline used as vehicle control for influenza infection.
PFU/50 mg	Plaque forming units; measurement of viral infection per 50 milligrams of lung tissue
Dpi	Days post infection; number of days following influenza exposure
BALF	Bronchoalveolar lavage fluid; collected from the lungs of animals at the end of study and a source of cytokines and cells
LLN	Lung lymph node; lymph node draining the lung.
Starting weight	The weight of the animal at the start of the study
% change in body weight	Difference in weight of the animal from the start of the study until dpi indicated
Group	Indicates specific animal treatment or exposure
% CD4 T cells	Frequency (or percentage) of total T lymphocytes expressing CD4, or "helper T cells" in indicated tissue. This number is calculated based on total number of T lymphocytes in specific tissue.

# CD4 T cells	Total number of T lymphocytes expressing CD4, or "helper T cells" in indicated tissue. This number is calculated based on total number of T lymphocytes in specific tissue.
% CD8 T cells	Frequency (or percentage) of total T lymphocytes expressing CD8, or "cytotoxic T cells". This number is calculated based on total number of T lymphocytes in specific tissue.
# CD8 T cells	Number of T lymphocytes expressing CD8, or "cytotoxic T cells". This number is calculated based on total number of T lymphocytes in specific tissue.
Pg/ml	Picogram/milliliter; concentration of specific cytokine per volume of liquid.
#CD44 ^{Hi} CD4 T cells	CD4 T cells expressing high levels CD44, indicating an activated/responding status. This number is calculated based on total number of T lymphocytes in specific tissue.
#tet ⁺ CD4 T cells	CD4 T cells that bind to the MHC-II tetramer reagent, indicates these cells are influenza specific. This number is calculated based on total number of T lymphocytes in specific tissue.
#CD44 ^{Hi} CD8 T cells	CD8 T cells expressing high levels of CD44, indicating an activated/responding status. This number is calculated based on total number of T lymphocytes in specific tissue.
#tet ⁺ CD8 T cells	CD4 T cells that bind to the MHC-II tetramer reagent, indicates these cells are influenza specific. This number is calculated based on total number of T lymphocytes in specific tissue.
IL-1beta, IL-2, IL-4, IL-5, IL-6 IL-9, IL-10, IL-12p70, IL-13, IL-17A, IL-18, IL-22, IL-23, IL-27, GM-CSF, IFN-gamma, TNF-alpha	Immune related cytokines that were measured in the BALF following PR8 infection.
% Tbet+	Frequency (or percentage) of cells expressing the transcription factor Tbet, an indicator of T helper type 1 responses important for anti-

	viral immunity. This number is calculated based on total number of T lymphocytes in specific tissue.
# Tbet+ cells	Number of cells expressing the transcription factor Tbet, an indicator of T-helper type 1 responses important for anti-viral immunity. This number is calculated based on total number of T lymphocytes in specific tissue.
MFI Tbet	Median fluorescent intensity of Tbet expression, measures level of expression on a per cell basis.
Number of Cells	Total number of specific immune cell population present in specific tissue.
Frequency	Percentage of specific immune cell population present in specific tissues compared to other immune cell populations.