

**Persisting *Cryptococcus* Yeast Species *Vishniacozyma victoriae* and *Cryptococcus neoformans*
Elicit Unique Airway Inflammation In Mice Following Repeated Exposure**

Data Dictionary

Field Name	Field Contents
Exposure	The test article that the mouse group was exposed to (either phosphate-buffered saline as a negative control, <i>C. neoformans</i> , or <i>V. victoriae</i>).
Dose	Number of yeast cells that mice were exposed to during each exposure.
Timepoint	Time points of tissue collection from which the data was derived from, either 1-day post final exposure or 21 days post final exposure.
Mouse ID	The identification of which mouse the sample was derived from.
PBS	Exposure group that was exposed to phosphate-buffered saline each exposure.
C. neo	Exposure group that was exposed to <i>C. neoformans</i> cells each exposure.
V. vic	Exposure group that was exposed to <i>V. victoriae</i> cells each exposure.
BALF	Bronchoalveolar lavage fluid samples. 2 mL was collected per sample.
PVM	Perivascular mononuclear inflammation score analyzed utilizing Hematoxylin and Eosin-stained slides.
PBM	Peribronchial mononuclear inflammation score analyzed utilizing Hematoxylin and Eosin-stained slides.
PCM	Parenchymal mononuclear inflammation score analyzed utilizing Hematoxylin and Eosin-stained slides.
GRA	Granulomatous inflammation score analyzed utilizing Hematoxylin and Eosin-stained slides.
AH	Alveolar histiocyte score analyzed utilizing Hematoxylin and Eosin-stained slides.
INF	Total inflammation score analyzed utilizing Hematoxylin and Eosin-stained slides.
GC	Goblet cell score analyzed utilizing Periodic Acid Schiff-stained slides.
YS	Yeast score analyzed utilizing Grocott's Methenamine Silver-stained slides.

HG	Histiocyte granule score analyzed utilizing Grocott's Methenamine Silver-stained slides.
n/a	Not applicable, there are no cellular doses for PBS (negative control) exposures.
IL-4	Quantifications of the cytokine interleukin-4 in pg/mL in lung homogenate supernatant.
IL-5	Quantifications of the cytokine interleukin-5 in pg/mL in lung homogenate supernatant.
IL-13	Quantifications of the cytokine interleukin-13 in pg/mL in lung homogenate supernatant.
Eotaxin	Quantifications of the cytokine eotaxin in pg/mL in lung homogenate supernatant.
IL-33	Quantifications of the cytokine interleukin-33 in pg/mL in lung homogenate supernatant.
CD45+	Total number of CD45 ⁺ cells per total lung homogenate or 2 mL BALF sample. CD45 is the common white blood cell marker.
Eosinophils	Total number of CD45 ⁺ /CD11b ⁺ /Siglec F ⁺ cells per total lung homogenate or 2 mL BALF sample. These granulocyte cells have varied roles in immunology but are involved in allergic responses.
Macrophages	Total number of CD45 ⁺ /CD11b ⁺ /Siglec F ⁺ cells per total lung homogenate or 2 mL BALF sample..These are phagocytic innate cells.
Neutrophils	Total number of CD45 ⁺ /Siglec F ⁺ /Ly6G ⁺ cells per total lung homogenate or 2 mL BALF sample.. These granulocyte cells are highly involved in anti-fungal responses.
Ly6C ^{hi} med Monocytes	Total number of CD45 ⁺ /Siglec F ⁺ /Ly6G ⁺ /CD11b ⁺ /Ly6C ^{hi/med} cells per total lung homogenate or 2 mL BALF sample. These are monocytic cells that are thought to be recruited from the bone marrow.
CD11b ⁺ Dendritic Cells	Total number of CD45 ⁺ /Siglec F ⁺ /Ly6G ⁺ /CD11c ⁺ /CD11b ⁺ cells per total lung homogenate or 2 mL BALF sample. These cells present antigen to CD4 ⁺ T cells.
CD103 ⁺ Dendritic Cells	Total number of CD45 ⁺ /Siglec F ⁺ /Ly6G ⁺ /CD11c ⁺ /CD103 ⁺ cells per total lung homogenate or 2 mL BALF sample. These cells present antigen to CD8 ⁺ T cells.
Lymphocytes	Total number of lymphocyte cells per total lung homogenate or 2 mL BALF sample. Lymphocytes are sorted based on their CD45 ⁺ expression and size with side scatter and forward scatter. They encompass natural killer cells, B cells, and T cells.
Natural Killer Cells	Total number of CD45 ⁺ /lymphocyte size/CD3 ⁺ /CD49b ⁺ cells per total lung homogenate or 2 mL BALF sample. These lymphoid cells have granules with anti-microbial enzymes.

Natural Killer T Cells	Total number of CD45 ⁺ /lymphocyte size/CD3 ⁺ /CD49b ⁺ cells per total lung homogenate or 2 mL BALF sample. These cells have co-expression of the natural killer and T cell marker.
B Cells	Total number of CD45 ⁺ /lymphocyte size/CD3 ⁺ /CD49b ⁻ /B220 ⁺ cells per total lung homogenate or 2 mL BALF sample. These cells make antibodies and are important for the memory immune response.
T Cells	Total number of CD45 ⁺ /lymphocyte size/CD3 ⁺ /CD49b ⁻ cells per total lung homogenate or 2 mL BALF sample. These cells have varied roles in immunology and are required for antigen-dependent immune responses.
CD4 ⁺ T Cells	Total number of CD45 ⁺ /lymphocyte size/CD3 ⁺ /CD49b ⁻ /CD4 ⁺ cells per total lung homogenate or 2 mL BALF sample. This is the “helper” subset of T cells that promote antigen-specific responses.
CD8 ⁺ T Cells	Total number of CD45 ⁺ /lymphocyte size/CD3 ⁺ /CD49b ⁻ /CD4 ⁺ cells per total lung homogenate or 2 mL BALF sample. This is the cytotoxic subset of T cells.