A walk through

Four classes of mature natural killer cells

CL\_0002446 Ly49CI-negative natural killer cell

CL\_0002443 Ly49CI-positive natural killer cell

CL\_0002448 Ly49H-negative natural killer cell

CL\_0002444 Ly49H-positive natural killer cell

We first compare each subset against each other by discussed method.

Interesting for Ly49CI

Antibody listed is clone “5E6” a synonym for 14b11 which recognizes Ly49C (Klra3), Ly49I (Klra9), Ly49F(Klra6), and Ly49H(Klra8).

None of these Klra are enriched at the gene expression level. Suggests antibody is still isolating a mixed population. Population is enriched for cell types primed to promote phagocytosis Lysozyme 2 is the most highly expressed but at levels much lower than in monocytes. In fact all genes are highly expressed in monocytes.

Ly49CI-negative NK cells

Express genes associated with signaling and activation in other lymphocytes including CD79, cd3e, cr2, FCER2A. Also expresses two tcrg- sections… contamination?

Ly49H-positive

Klra8 does not come enriched though bar graph shows some up-regulation. Genes associated with this cell type have poor GO representation.