

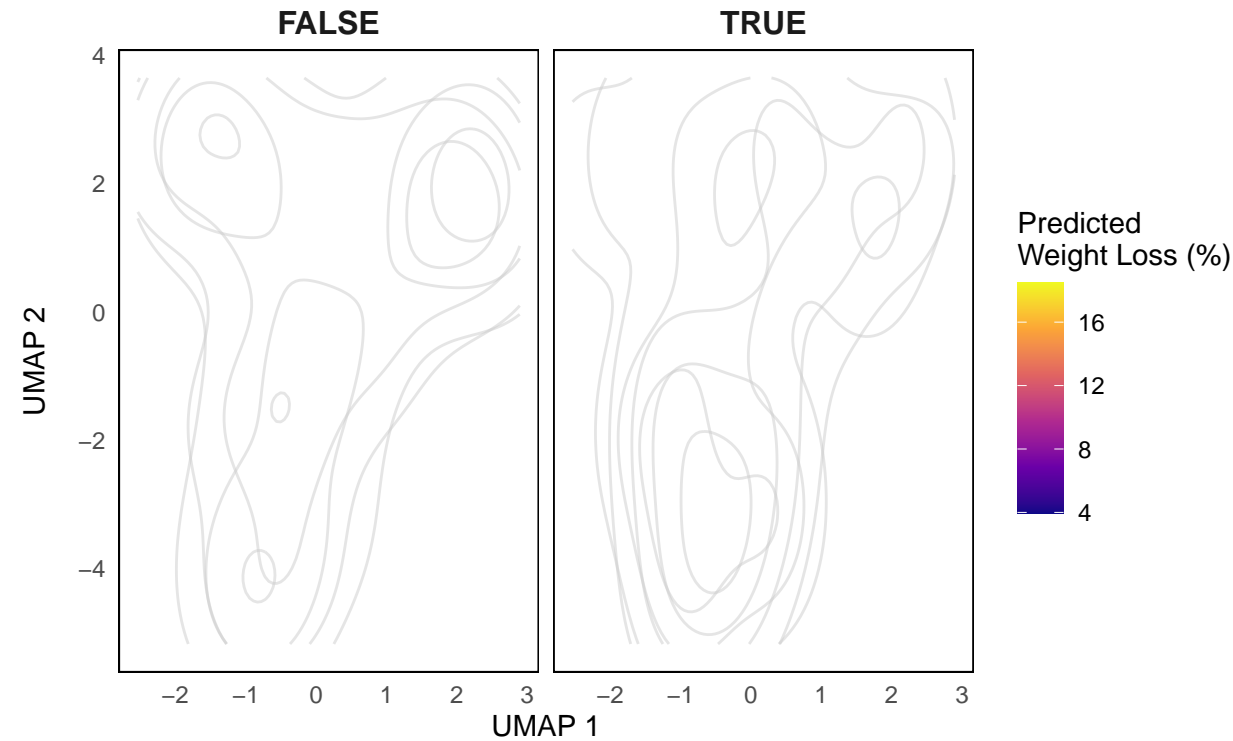
Sex-Specific Immune Dysregulation in Hybrid Mice

Multi-layered analysis reveals male-specific network collapse

A

Immune Landscape Trajectories Reveal Sex-Specific Responses

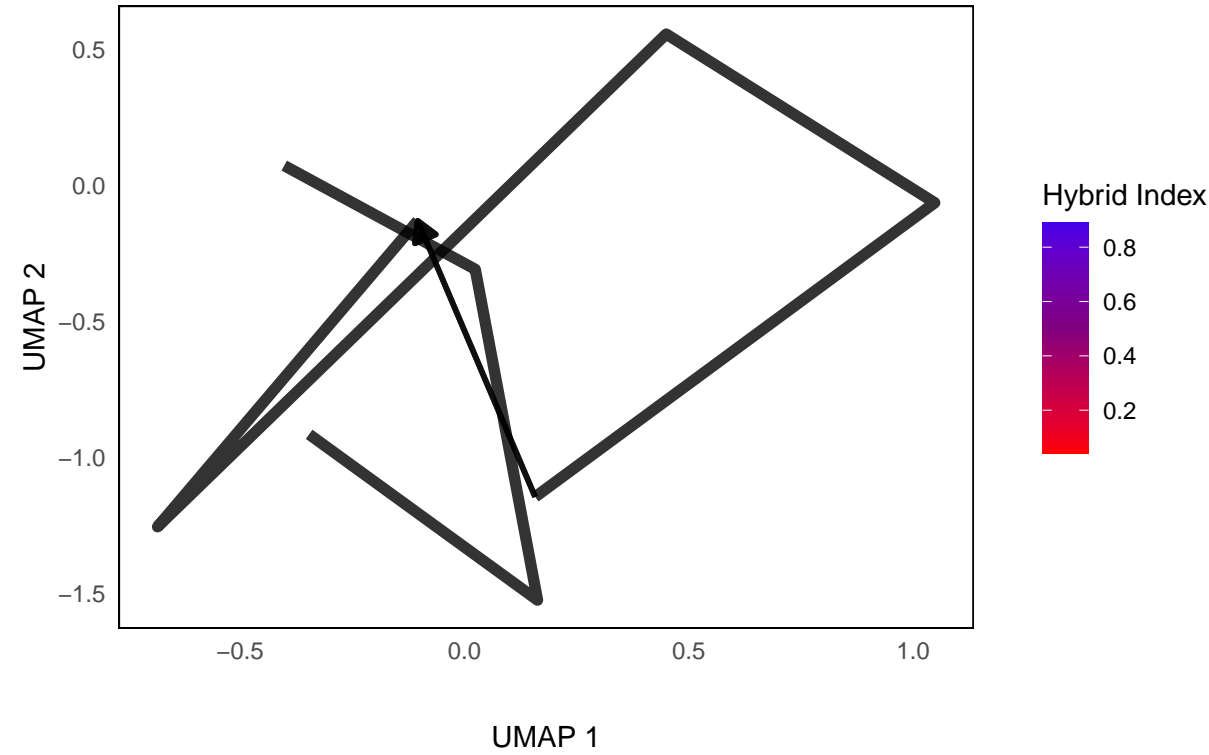
UMAP projection of 19 immune genes



B

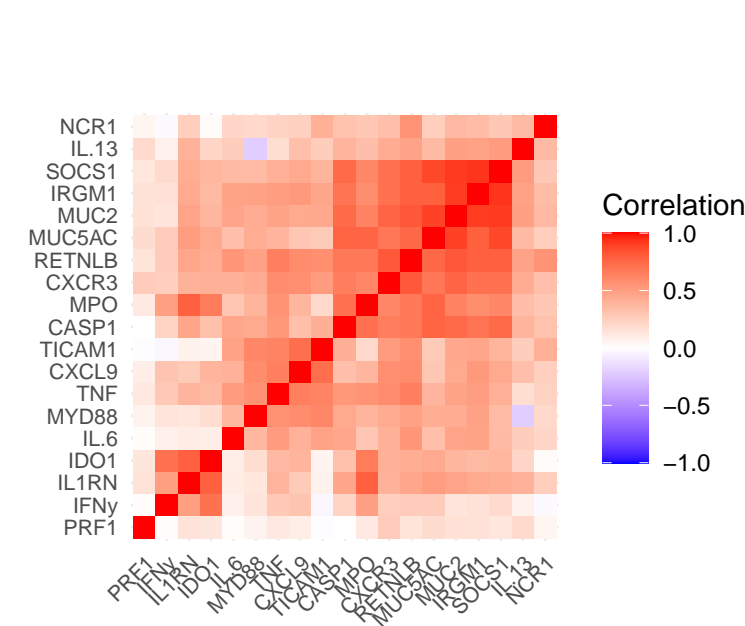
Sex-Specific Immune Trajectories Along Hybrid Gradient

Infected mice only – arrows show direction from domesticus to musculus



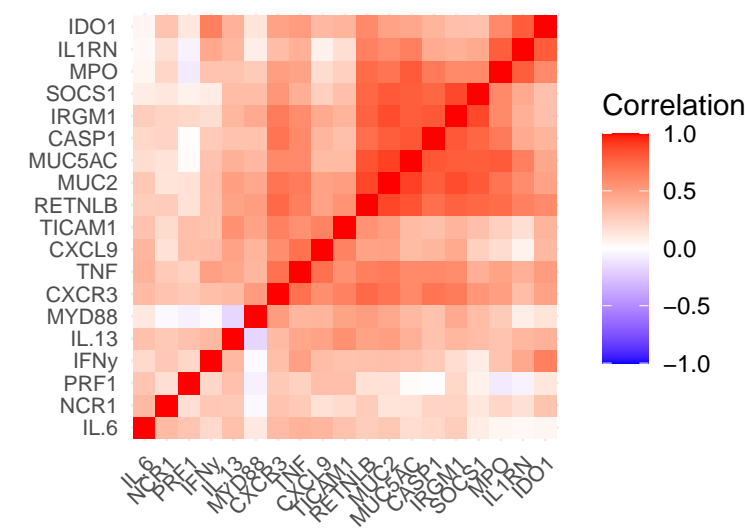
C

Female Network



D

Male Network



E

Sex-Specific Gene Effects in Infected Mice

