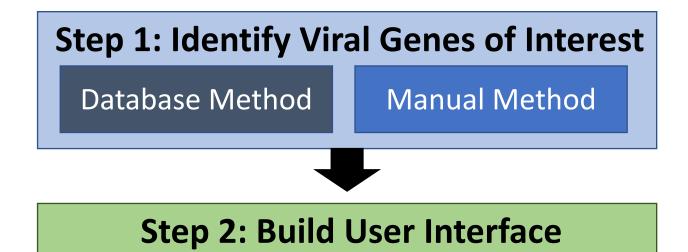
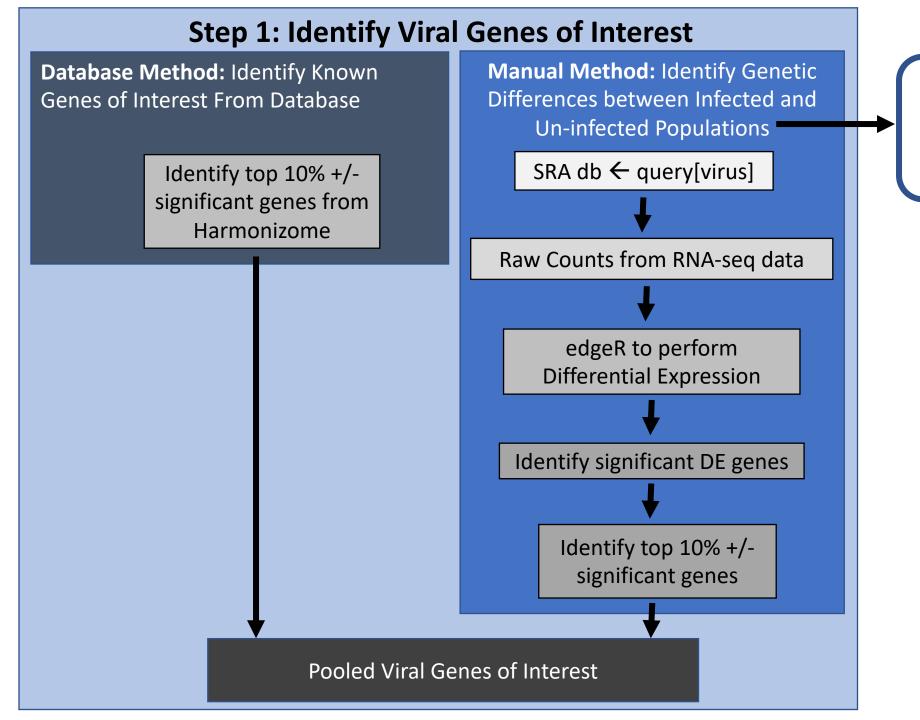
Overall of ViraVate Functionality

- Input:
 - Gene Expression Matrix
 - Control vs. Disease Key
 - Team Identified Genes of Interest
 - Optional: Additional User
 Defined Genes of Interest



- Output:
 - Genes associated with viral infection that differ between the Control vs. Disease Groups





RSV, sepsis, HSV1, HCMV, hepatitis, C,E, plasmodium_falciparum

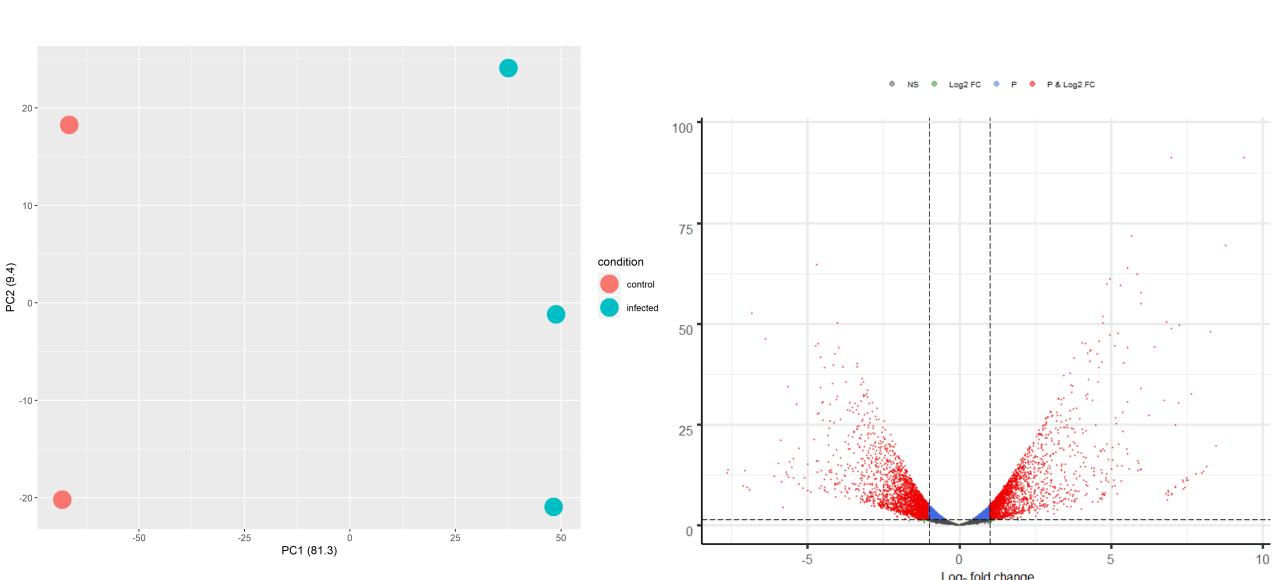
Step 2: Build User Interface

 Algorithm to identify which of the Viral Genes of Interest are different between a disease and control gene expression

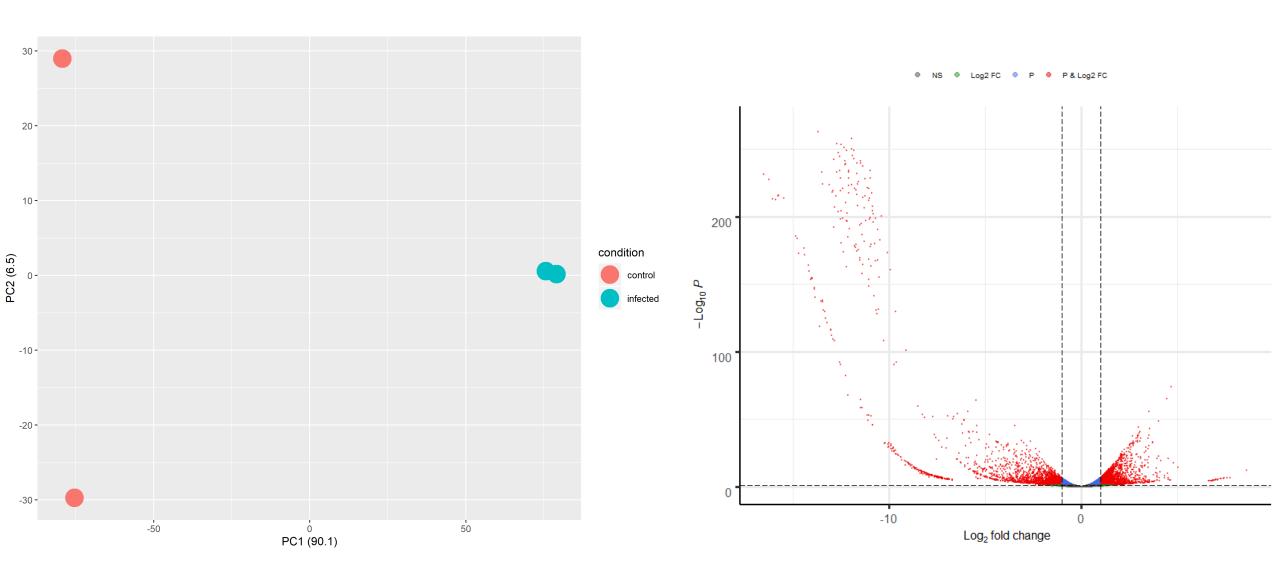
Create wrapper function for GSECA to identify significant viruses from database

Formal GSECA output to clearly show significant related viruses

Wild Type Control



siNT



siP2Y2

