Top 50 differentially expressed pathways cluster assigned cluster assigned cluster1 GSE10147 IL3 VS IL3 AND HIVP17 STIM PDC UP GSE10240\_CTRL\_VS\_IL22\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_UP cluster2 GSE10094\_LCMV\_VS\_LISTERIA\_IND\_EFF\_CD4\_TCELL\_UP cluster3 GSE10239\_MEMORY\_VS\_DAY4.5\_EFF\_CD8\_TCELL\_DN GSE10239\_MEMORY\_VS\_KLRG1HIGH\_EFF\_CD8\_TCELL\_DN GSE10239\_MEMORY\_VS\_KLRG1INT\_EFF\_CD8\_TCELL\_DN GSE10239\_NAIVE\_VS\_MEMORY\_CD8\_TCELL\_UP GSE10240\_IL22\_VS\_IL17\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_UP GSE10147\_IL3\_AND\_HIVP17\_VS\_IL3\_AND\_CPG\_STIM\_PDC\_DN GOLDRATH\_EFF\_VS\_MEMORY\_CD8\_TCELL\_UP GOLDRATH NAIVE VS EFF CD8 TCELL DN GSE10240\_CTRL\_VS\_IL17\_AND\_IL22\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_UP GSE10239 NAIVE VS DAY4.5 EFF CD8 TCELL DN GSE10239\_NAIVE\_VS\_KLRG1HIGH\_EFF\_CD8\_TCELL\_DN GSE10239 NAIVE VS KLRG1INT EFF CD8 TCELL DN GSE10273 HIGH VS LOW IL7 TREATED IRF4 8 NULL PRE BCELL UP GSE10239\_KLRG1INT\_VS\_KLRG1HIGH\_EFF\_CD8\_TCELL\_DN GSE10240 IL22 VS IL17 STIM PRIMARY BRONCHIAL EPITHELIAL CELLS DN GSE10147\_IL3\_VS\_IL3\_AND\_CPG\_STIM\_PDC\_DN GSE10240\_CTRL\_VS\_IL22\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_DN GSE10239 KLRG1INT VS KLRG1HIGH EFF CD8 TCELL UP GSE10240\_CTRL\_VS\_IL17\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_UP GSE10273\_HIGH\_IL7\_VS\_HIGH\_IL7\_AND\_IRF4\_IN\_IRF4\_8\_NULL\_PRE\_BCELL\_UP GSE10273 LOW IL7 VS HIGH IL7 AND IRF4 IN IRF4 8 NULL PRE BCELL UP GSE10239 MEMORY VS KLRG1INT EFF CD8 TCELL UP GSE10273\_HIGH\_IL7\_VS\_HIGH\_IL7\_AND\_IRF4\_IN\_IRF4\_8\_NULL\_PRE\_BCELL\_DN GSE10147\_IL3\_VS\_IL3\_AND\_CPG\_STIM\_PDC\_UP GSE10239 NAIVE VS MEMORY CD8 TCELL DN GSE10240\_CTRL\_VS\_IL17\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_DN GSE10239 MEMORY VS DAY4.5 EFF CD8 TCELL UP GSE10239 NAIVE VS DAY4.5 EFF CD8 TCELL UP GSE10239\_NAIVE\_VS\_KLRG1INT\_EFF\_CD8\_TCELL\_UP GSE10240 IL17 VS IL17 AND IL22 STIM PRIMARY BRONCHIAL EPITHELIAL CELLS UP GSE10240\_IL22\_VS\_IL22\_AND\_IL17\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_DN GOLDRATH\_EFF\_VS\_MEMORY\_CD8\_TCELL\_DN GOLDRATH NAIVE VS EFF CD8 TCELL UP GOLDRATH\_NAIVE\_VS\_MEMORY\_CD8\_TCELL\_UP GSE10240 IL22 VS IL22 AND IL17 STIM PRIMARY BRONCHIAL EPITHELIAL CELLS UP GOLDRATH NAIVE VS MEMORY CD8 TCELL DN GSE10273\_HIGH\_VS\_LOW\_IL7\_TREATED\_IRF4\_8\_NULL\_PRE\_BCELL\_DN GSE10273 LOW IL7 VS HIGH IL7 AND IRF4 IN IRF4 8 NULL PRE BCELL DN GSE10211\_UV\_INACT\_SENDAI\_VS\_LIVE\_SENDAI\_VIRUS\_TRACHEAL\_EPITHELIAL\_CELLS\_DN GSE10239\_NAIVE\_VS\_KLRG1HIGH\_EFF\_CD8\_TCELL\_UP GSE10240\_CTRL\_VS\_IL17\_AND\_IL22\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_DN GSE10211\_UV\_INACT\_SENDAI\_VS\_LIVE\_SENDAI\_VIRUS\_TRACHEAL\_EPITHELIAL\_CELLS\_UP GSE10239\_MEMORY\_VS\_KLRG1HIGH\_EFF\_CD8\_TCELL\_UP GSE10240\_IL17\_VS\_IL17\_AND\_IL22\_STIM\_PRIMARY\_BRONCHIAL\_EPITHELIAL\_CELLS\_DN GSE10147 IL3 VS IL3 AND HIVP17 STIM PDC DN GSE10094\_LCMV\_VS\_LISTERIA\_IND\_EFF\_CD4\_TCELL\_DN GSE10147 IL3 AND HIVP17 VS IL3 AND CPG STIM PDC UP