

**ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_UP, GSE21546\_WT\_VS\_SAP1A\_KO\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_UP**  **GSE39916\_B\_CELL\_SPLEEN\_VS\_PLASMA\_CELL\_BONE\_MARROW\_DN, GSE39916\_B\_CELL\_SPLEEN\_VS\_PLASMA\_CELL\_BONE\_MARROW\_DN**  
**ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_UP, GSE21546\_WT\_VS\_SAP1A\_KO\_ANTI\_CD3\_STIM\_DP\_THYMOCYTES\_UP**  **GSE21379\_WT\_VS\_SAP\_KO\_TFH\_CD4\_TCELL\_UP, GSE21379\_WT\_VS\_SAP\_KO\_TFH\_CD4\_TCELL\_UP**