AD S.aureus Group Memory IL10+ Th1 Vd2-----CD8 Memory exTh17 Vd1 CD4 Memory Trans Th17 Memory CD4 Prolif Memory CD4 Memory IL4+ Memory Treg Memory Th1 CD4+CD45RO+ Memory IL13+ Treg — Memory IL4+IL13+ exTh17 Memory Th17— Intercept — -4 **Regression Coefficient**