## TFH\_Associated\_up.srt\_rmdup\_flt.csv Arnt:Ahr(bHLH) EWS:ERG-fusion(ETS) E2A(bHLH) TCF4(bHLH) Hes5+M0215 Ascl2+M5987 BATF(bZIP) Atf1(bZIP) Creb1+M0297 Atf3(bZIP)

WT\_Tfh\_vs\_WT\_Tn1.up
WT\_Tfh\_vs\_WT\_Tn1.dn
DKO\_Th1\_vs\_WT\_Th1.up
DKO\_Th1\_vs\_Bcl6KO\_Th1
DKO\_Tfh\_vs\_WT\_Tfh.up
DKO\_Tfh\_vs\_Prdm1KO\_Tf \_Th1\_vs\_WT\_Th1.up

\_Tfh\_vs\_WT\_Tfh.up \_Tfh\_vs\_Prdm1KO\_Tfh.up \_Th1\_vs\_Bcl6KO\_Th1.up









40

20

0

Fra1(bZIP) Fra2(bZIP)

AP-1(bZIP) Jun+M0311 JunB(bZIP) E2F3(E2F) E2F6(E2F) E2f2+M0670 EHF(ETS) ELF1(ETS) Elf2+M0708 Elf4(ETS) ETV1(ETS) ETV4(ETS) Elk1(ETS) Elk3+M0692 ETS1(ETS) Etv2(ETS) Fli1(ETS) GABPA(ETS) PU.1(ETS) IRF4(IRF) Irf5+M1267 Irf6+M1266 Irf7+M1265 Nfat5+M1519 Nfatc2+M1518 Nfatc3+M1517 RUNX1(Runt) RUNX2(Runt) RUNX3+M5791 STAT4(Stat) Stat3(Stat) Stat3+il21(Stat) Stat5a+M3985 Stat5b+M3990 Tbet(T-box) Tbr1(T-box) Tbx21(T-box) LEF1(HMG) Tcf4(HMG) Tcf7(HMG) Zbtb1+M0413 Bcl6(Zf) PRDM1(Zf) Zfp161+M0432 Zfp691+M0428 Egr1(Zf) KLF10(Zf) KLF3(Zf) KLF5(Zf) KLF6(Zf) Klf1+M2294 Klf12+M0443 Klf4(Zf) Klf7+M0405 Klf8+M0421 KLF14(Zf) Sp2(Zf) Sp4+M0401 . Dmrta1+M0641 Dmrtc2+M0635 GATA3(Zf) GATA3(Zf),DR4 GATA3(Zf),DR8 Gmeb1+M1550 Gmeb2+M1551 Smad4(MAD) Smad2(MAD)