

A

STAT1 MSQWFELQQLD SKFLEQVHQLYDDSFPMEIRQYLAQWLEKQDWEHAAVDVS----FATIR 56
 STAT3 MAQWNQLQQLDTRYLKLHQLYSDFPMELRQFLAPWIESQDWAYAASKES----HATIV 56
 STAT4 MSQWNQVQQLEIKFLEQVDQFYDDNFPMEIRHLLAQWIETQDWEVASNNET----MATIL 56
 STAT5A MAGWIAQQQLQGDALRQMQLVLYGQHFPIEVRYHLAQWIESQPWDAIDLDPQDRGQATQL 60
 STAT5B MAMWIAQQQLQGDALHQMQLVLYGQHFPIEVRYHLSQWIESQAWDSIDLDPQENIKATQL 60
 STAT6 MSLWGLVSKMPP---EKVQRLYVD-FPQHRLRHLG DWLESQPWEFLVGS DAFCCNLASAL 56

 STAT1 FHDLLSQLDDQYSRFSLENNFLQHNRKSKRNLDNFQEDPVQMSMI IYNCLKEERKIL 116
 STAT3 FHNLLGEIDQQYSRFLQESNVLYQHNLRRIKQFLQSRYLEKPM EIARIVARCLWEESRLL 116
 STAT4 LQNLLIQQLDEQLGRVSKEKNLLLIHNLKRIRKVLQGKFHGNPMHVAVVISNCLREERRIL 116
 STAT5A LEGLVQELQKKAEHQVGEDGFLLKIKLGHYATQLQNTYDRCPMELVRCIRHILYNEQRLV 120
 STAT5B LEGLVQELQKKAEHQVGEDGFLLKIKLGHYATQLQSTYDRCPMELVRCIRHILYNEQRLV 120
 STAT6 LSDTVQHLQASVGEQ-GEGSTILQH-----ISTLES IYQRDPLKLVATFRQILQGEKKAV 110

 STAT1 ENAQRFNQ----- 124
 STAT3 QTAATAAQ----- 124
 STAT4 AAANMPIQ----- 124
 STAT5A REAN----- 124
 STAT5B REAN----- 124
 STAT6 MEQFRHLPMPFHWK 124

B

β -Casein: AGATTTCTAGGAATTC

IL-2R α GAScn: CGTTTCTTCTAGGAAGTACCAAACATTTCTGATAATAGA

Figure S2

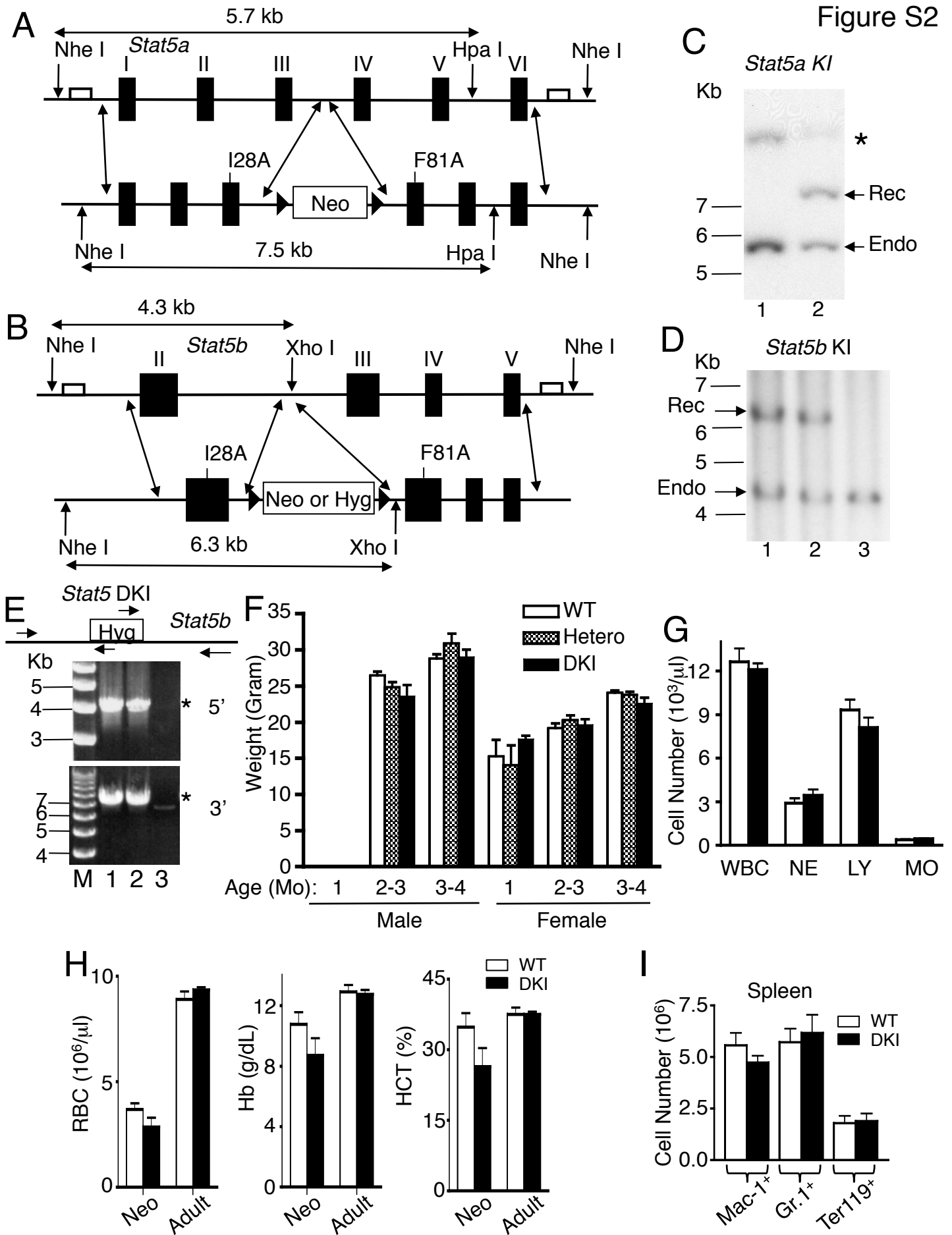


Figure S3

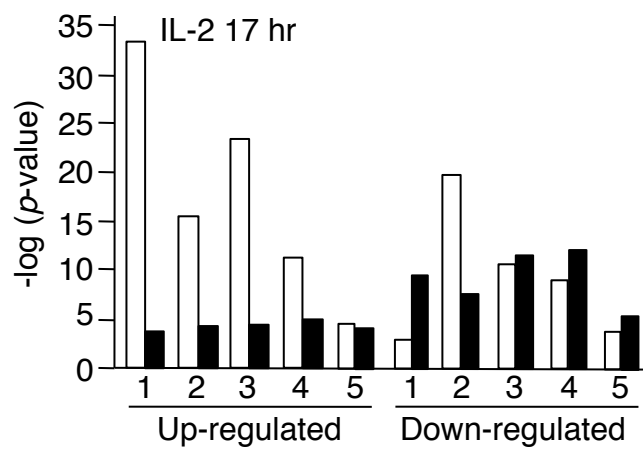
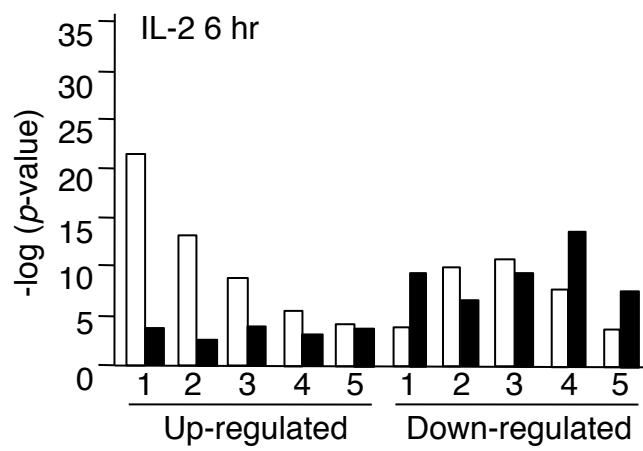
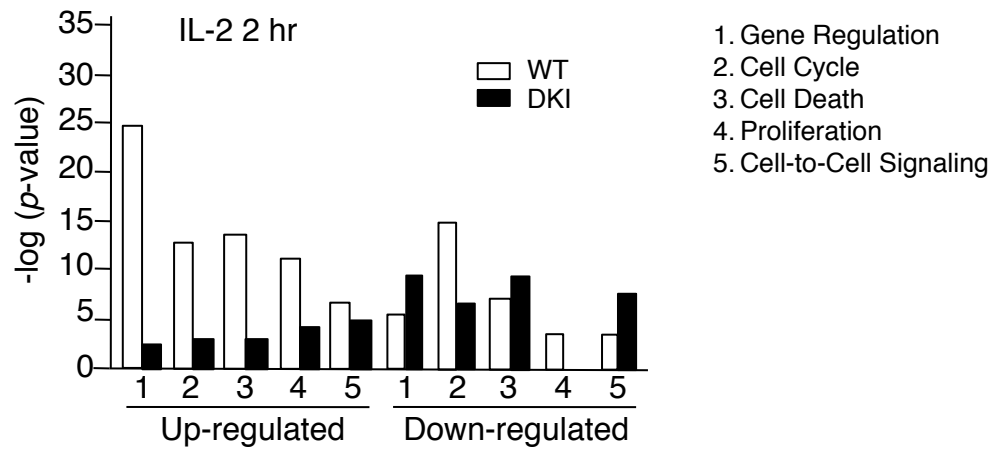
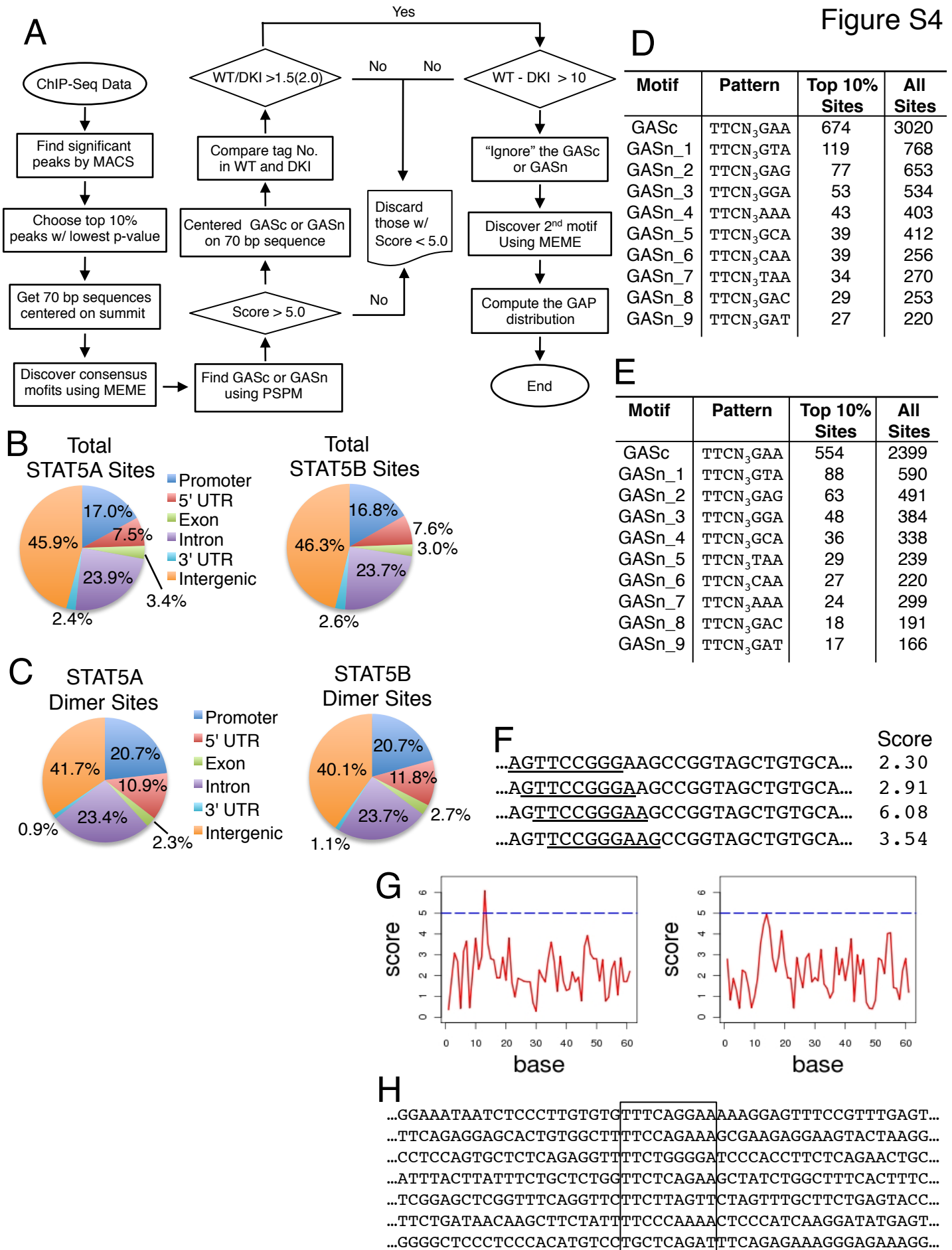


Figure S4



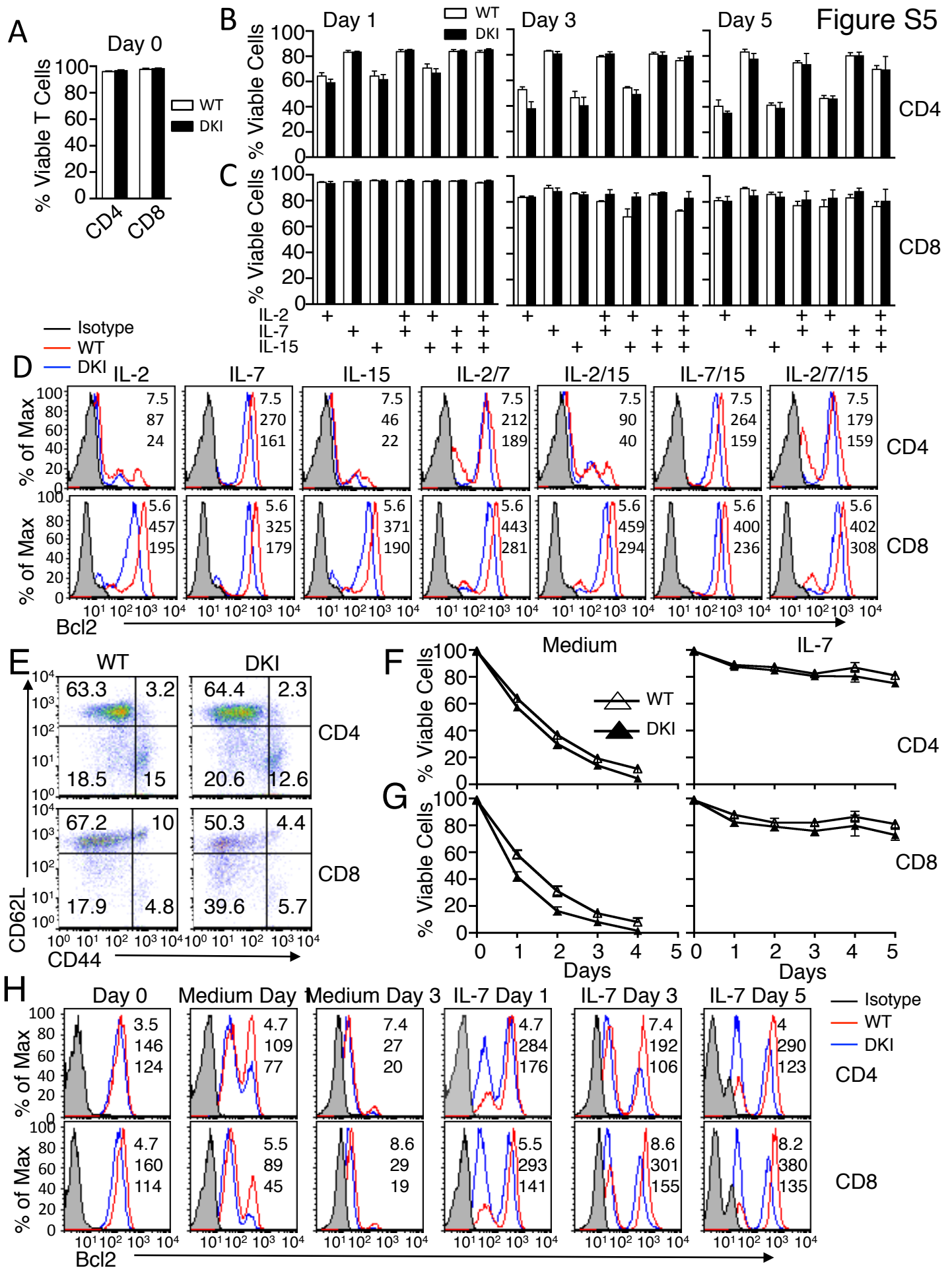


Figure S6

