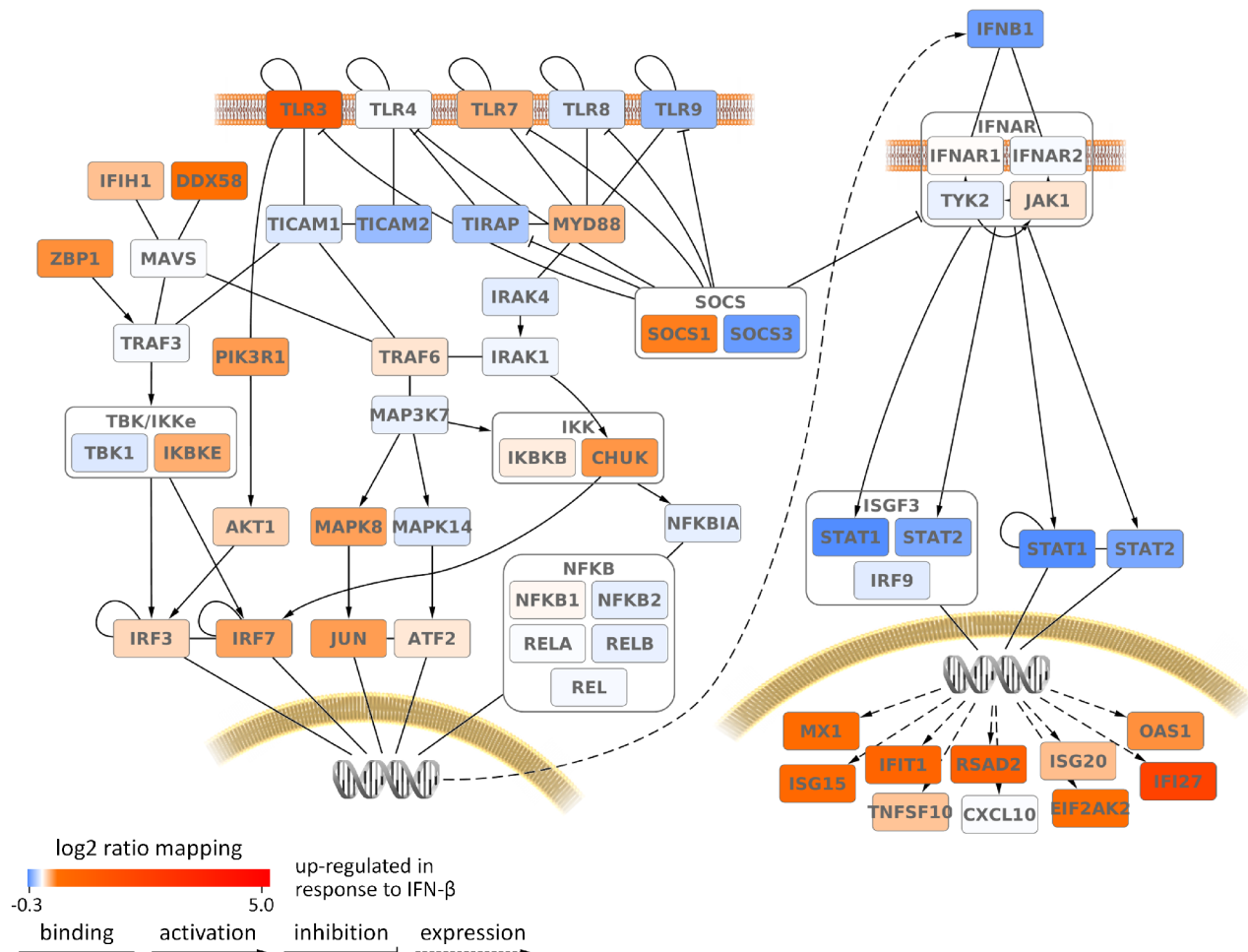




Additional file 4: Gene expression modulation of type I IFN pathway genes in the MX1_{high} group (n=7) during the first month of IFN-beta sc. therapy.

The color of the genes visualizes the log2 ratio of the mean expression levels at one month into therapy versus the mean pre-treatment levels. None of the genes was significantly altered in expression in the MX1_{high} patient group (p-values >0.01). Though not significant, ISGs like RSAD2 (p-value=0.078) and pathogen recognition receptors like TLR3 (p-value=0.016) were slightly up-regulated whilst SOCS3 (p-value=0.047) and STAT1 (p-value=0.375) tended to be down-regulated compared to baseline.