Relative expression levels of previously reported targets determined by quantitative PCR. Total RNAs were isolated from the CNS of late-third instar larvae cultured at 25°C; reversed transcribed cDNAs were used as template in PCR using the SYBR Green PCR Master mix (Applied Biosystems). The signals were normalized to the internal reference, ribosome protein 49-encoding gene (Rp49). The PCR was run in triplicates per primer set, and repeated 4 independent times. zfh-1 and PTPE1F RNA levels did not change in JAK activated or inactivated brains; domeless and SOCS36E RNA levels significantly increased in JAK activated brains, but did not decrease in JAK inactivated brains; chinmo expression was repressed by JAK signaling, although not statistically significant. WT: wild type; OE: c768-Gal4/UAS-hopTum; RNAi: c768-Gal4/UAS-stat92E. **: p <0.01; *: p<0.05.