**Supplementary Figure S1 – The β^A origin without the FIV and IL2R sequences is active ectopically**

(A) Transgene inserted at the ectopic position on chromosome 1. The short-version WT transgene a 1.1 kb fragment containing the β^A origin promoter (white rectangle) and a tag (162 bp) from the IL2R sequence (gray rectangle). The red line represents the G4 motif and the black lines indicate the primer pairs used for qPCR analyses of SNS. Primer pairs 1 and 2 are specific for the transgenes; the bkgd primer pair binds 5 kb away from the site of insertion and is designed to detect background. (B) Relative SNS enrichment of the wild-type short-version transgene. Error bars show the standard deviation of SNS enrichment for qPCR duplicates in two independent clones.