

Description of Additional Supplementary Files

Supplementary Data 1: Genotyping and cross-activation results for *dual-enSERT-2* constructs. hMM, human ortholog of mouse enhancer.

Supplementary Data 2: Primers used in this study for cloning, nested PCR, and qPCR.

Supplementary Data 3: Barcode meta-data for single-cell transcriptomics of dual-enSERT E11.5 hindlimbs with human reference and variant ZRS alleles. dE1, dual-enSERT-1; dE2, dual-enSERT-2.