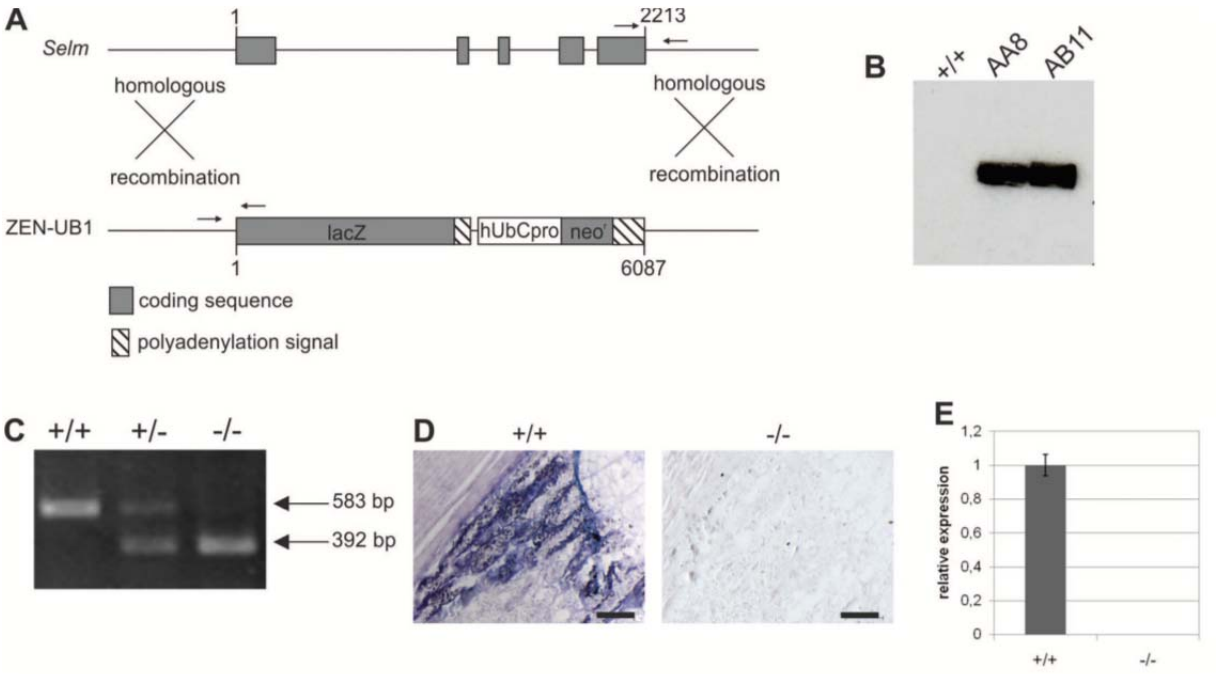

Supplementary Figure 1: Mutant mice (Selm$^{-/-}$) were generated from C57BL/6 embryonic stem cell clones 11537A-A8 and 11537A-B11 (referred to as AA8 and AB11) by injection into blastocysts from C57BL/6 mice with genetically deleted Selm obtained from the knockout mouse project (KOMP) repository (an NCRR-NIH-supported strain suppository). ES-cells were created by VelociGene from funds provided by the trans-NIH KOMP. Subsequent intercrosses of heterozygous animals generated two congenic strains with a C57BL/6 genetic background. (**A**) The Selm ORF was deleted and replaced by a ZEN-Ub1 cassette harbouring the reporter and neo resistance gene. Genotyping primers are indicated by arrows. lacZ: β-galactosidase coding sequence from E. coli lacZ gene, hUbCpro: promoter from the human Ubiquitin C gene, neo^{r}: coding sequence for neomycin phosphotransferase. (**B**) Southern blot analysis of genomic DNA from the kidney of wild type (+/+) and Selm$^{-/-}$ mice (AA8/AB11) using a probe against a 493 bp fragment of the LacZ gene from the knockout cassette (5'-gccaggcacagatgggtaccg-3' and 5'-taaccgacccagcgcccgtt-3'). (**C**) Genotypes were determined by multiplex PCR using different primer pairs for wild type (-/-; 583 bp) and knockout (-/-; 392 bp) mice (wild type: 5'- tcagccaaatgacccgggacg-3' and 5'- ctgccccgtctgtcaaaacacc-3'; knockout: 5'- tttgggtgcagcctgcggaa-3' and 5'- ttctccgtgggaacaaacggcg-3'). +/-, heterozygous mice. (**D**) RNA **in situ** hybridization on hindlimb sections of postnatal day 4 wild type (+/+) and *Selm*$^{-/-}$ (-/-) mice. 5 µm paraffin sections were hybridized with antisense riboprobes against *Selm*; scale bar: 0.5 mm. (**E**) *Selm* expression of wild type (+/+) and *Selm*$^{-/-}$ (-/-) P4 calvarial osteoblasts relative to *Actb* expression (mean + S.D., n = 4).