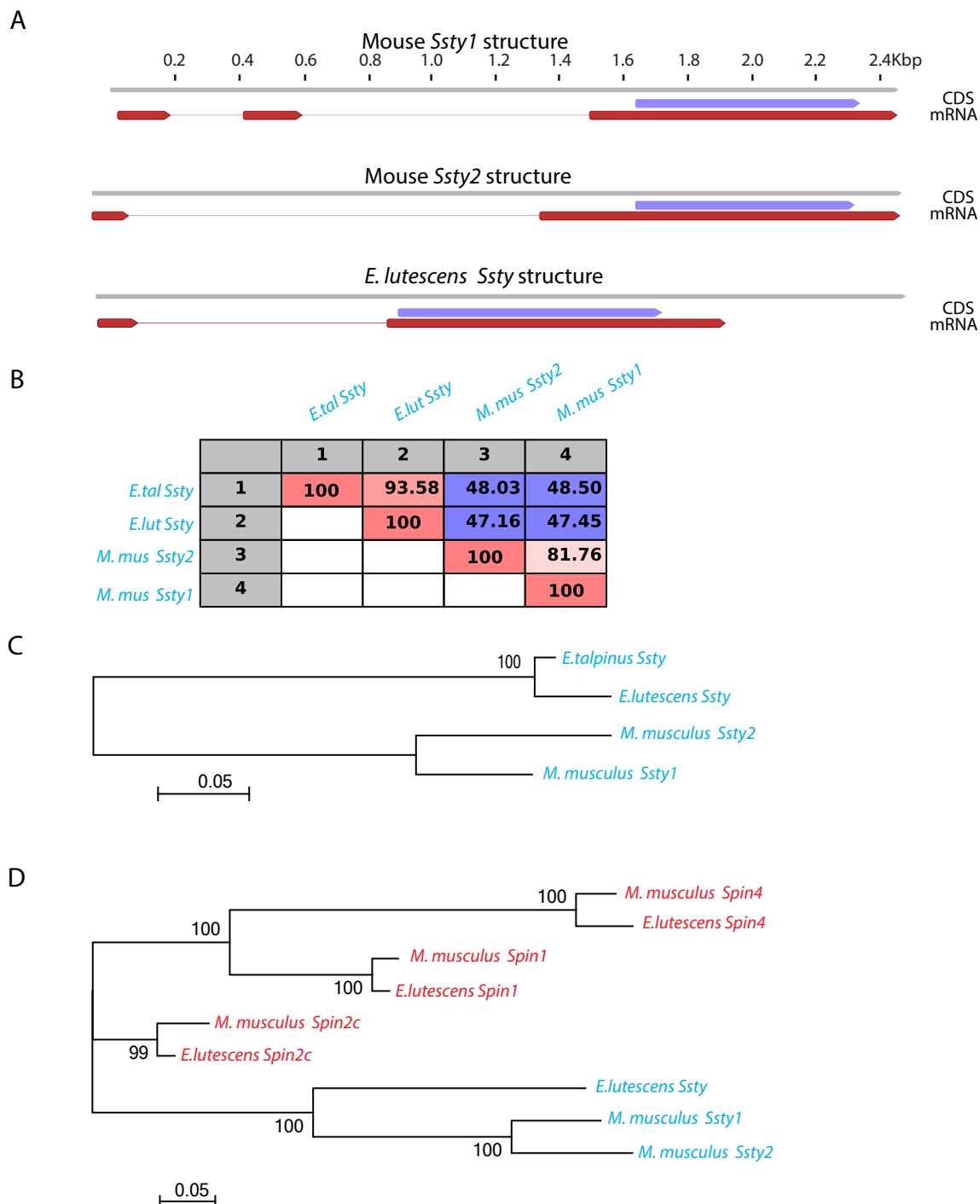




Supplemental Figure S5: Conservation of *E. lutescens* and *E. talpinus* *Ssty* genes

A) Structure of mouse *Ssty1* and *Ssty2* and the *E. lutescens* *Ssty* gene. We could not assemble the structure of the *E. talpinus* *Ssty* gene, because of lack of mRNA information.

B) Alignment percentage identity of *E. talpinus* (1274 bp) and *E. lutescens* *Ssty* (1261 bp) and the orthologous regions of the mouse *Ssty1* and *Ssty2* genes (based on genomic sequences)

C) Phylogenetic relationship between *E. talpinus* and *E. lutescens* *Ssty* and mouse *Ssty1* and *Ssty2* genes (based on genomic sequences indicated in B). Bootstrap value is shown on one node.

D) Phylogenetic relationship between *E. lutescens* *Ssty* (1154 bp), *Spin1* (3762 bp), *Spin4* (644 bp) and *Spin2c* (1293 bp) and the orthologous regions of the mouse *Ssty1*, *Ssty2*, *Spin1*, *Spin4*, and *Spin2c* genes (based on mRNA sequences). Bootstrap value is shown on six nodes.