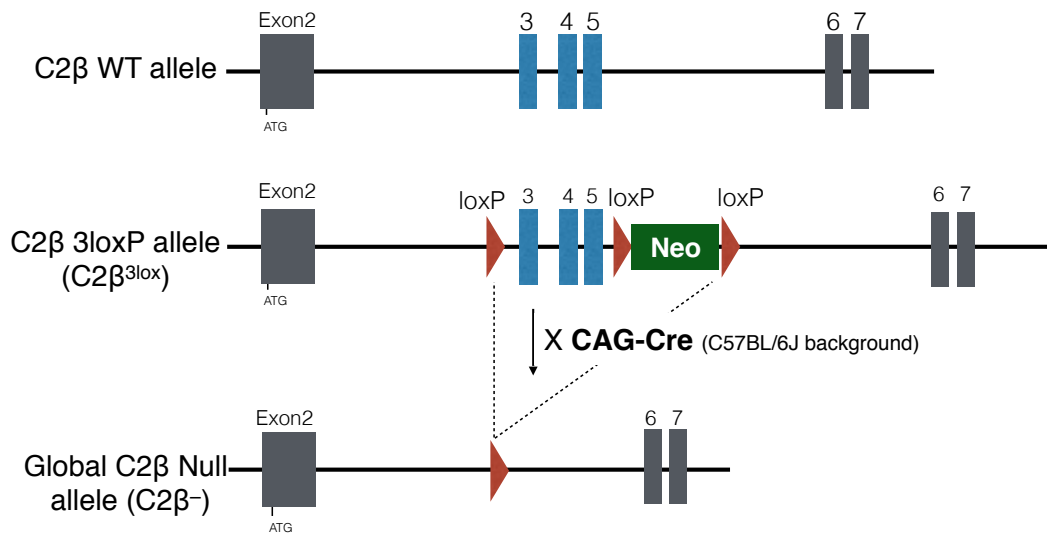
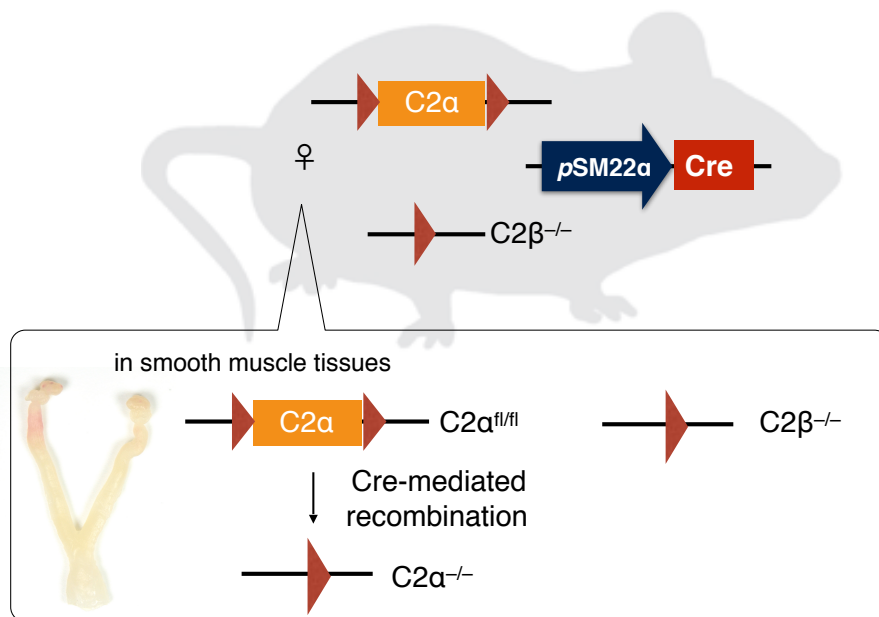


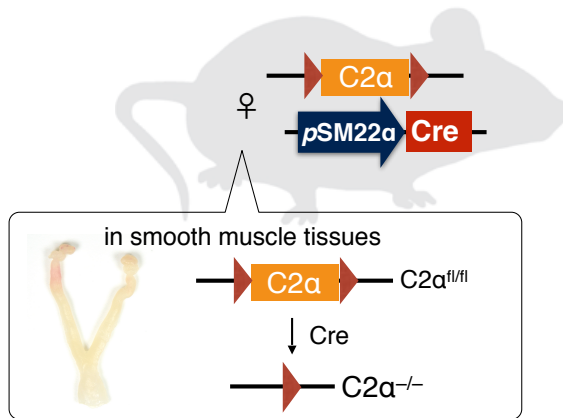
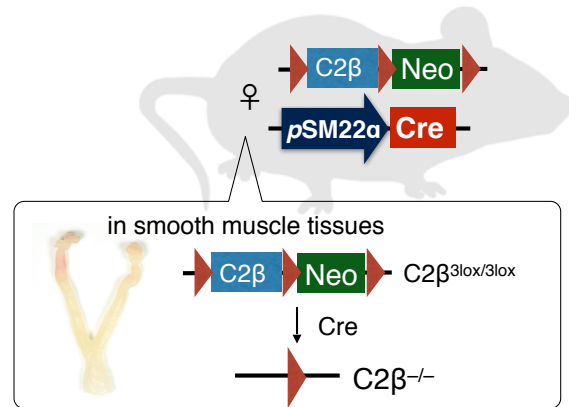
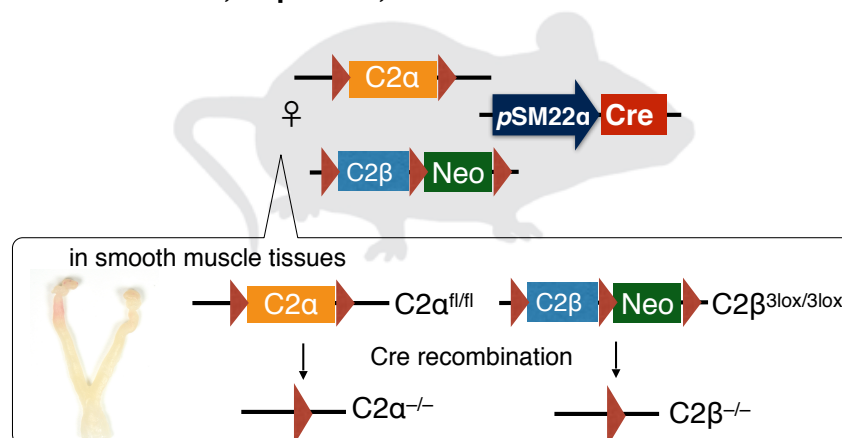
Supplementary Figure 1. Generation of C2β floxed mice and smooth muscle-specific deletion of C2α and C2β.

A. C2β 3loxP allele has one loxP before exon 3 and the two loxPs flanking the neomycin cassette (Neo). To produce C2β-floxed allele, the Neo was specifically deleted by mating with Ins-Cre mice (ICR strain), which expressed Cre recombinase (Cre) downstream of the insulin promoter in fertilized eggs. C2β-floxed allele was specifically deleted in smooth muscle by Cre that are expressed by SM22α promoter. B. In smDKO mice, both C2α- and C2β-floxed alleles are specifically deleted in smooth muscle by SM22α promoter-driven expression of Cre.

A**B****C2α^{fl/fl}; C2β^{-/-}; SM22α-Cre**

Supplementary Figure 2. Generation of C2β-null mice and smooth muscle-specific deletion of C2α-floxed allele in C2β-null mice.

A. C2β 3loxP allele-carrying mice were crossed with mice that expressed Cre downstream of the universal CAG promoter, leading to generation of mice with C2β-null allele. B. C2α-floxed allele is specifically deleted in smooth muscle by SM22α promoter-driven expression of Cre.

A**smC2aKO: C2a^{fl/fl}; SM22a-Cre****B****smC2βKO: C2β^{3lox/3lox}; SM22a-Cre****C****C2a^{fl/fl}; C2β^{3lox/3lox}; SM22a-Cre**

Supplementary Figure 3 Smooth muscle-specific single deletion of C2a-floxed allele (smC2aKO) (A) and C2β 3loxP allele (smC2βKO) (B), and deletion of both C2a-floxed allele and C2β 3loxP allele (C) by SM22a promoter-driven expression of Cre.