Phenotype of ribonuclease 1 deficiency in mice

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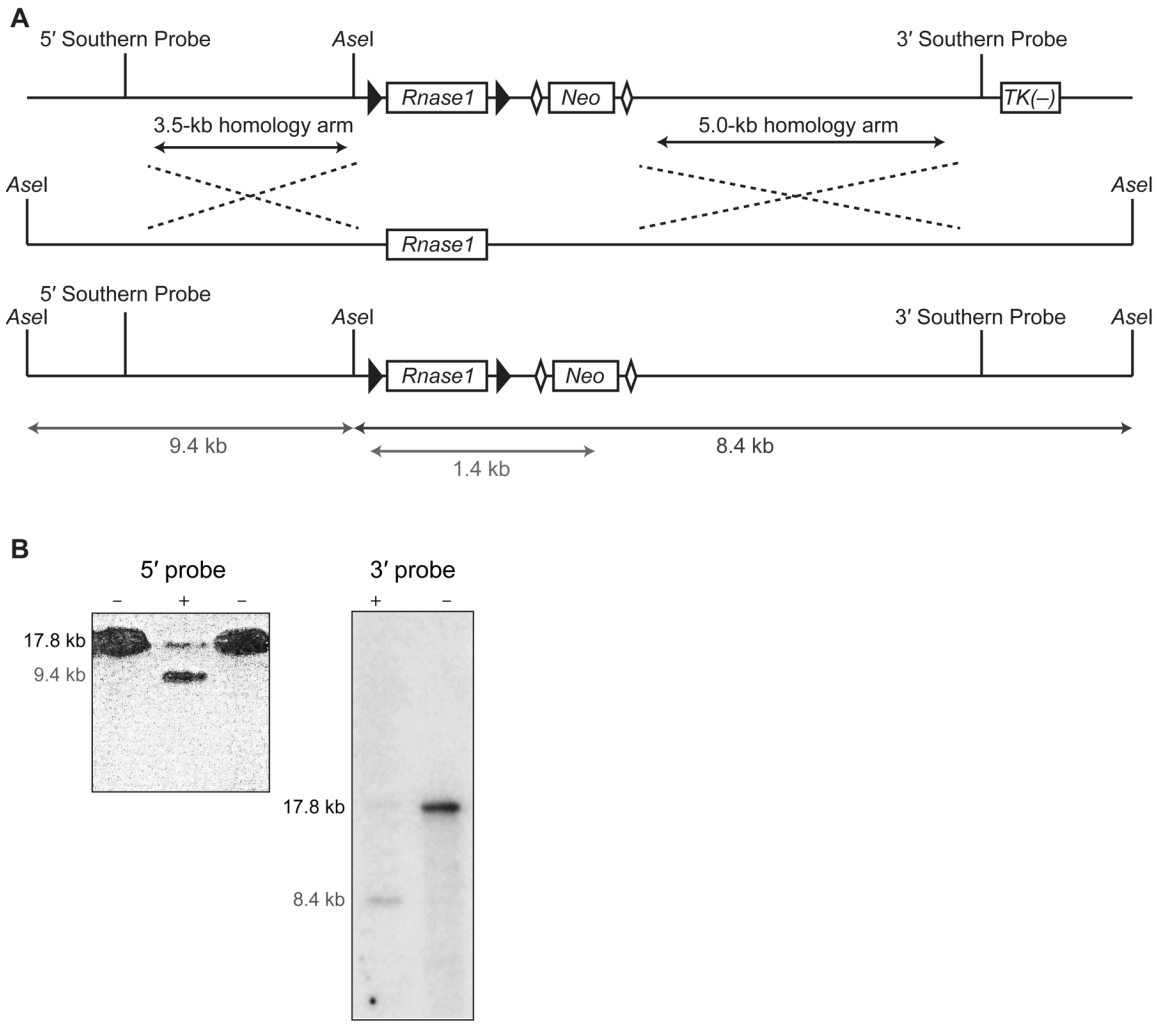

FIGURE S1. Generation of *Rnase1* knockout mice: strategy and results. (*A*) Map of the vector to target the *Rnase1* gene. The vector, which was constructed in *Escherichia coli* via homologous recombination, consists of a 5′ 3.5-kb homology arm, the *Rnase1* gene flanked by *loxP* sites (black triangles), a *Neo* cassette flanked by FRT sites (open diamonds) in the 3′ untranslated region of exon 2 of *Rnase1*, a 3′ 5.0-kb homology arm, and a thymidine kinase cassette (*TK*). (*B*) Southern blot to identify correctly targeted embryonic stem cell clones. 5′ and 3′ probes detected either a wild-type band (17.8 kb) or targeted band (9.4 kb for 5′; 8.4 kb for 3′) following digestion with *Ase*I.

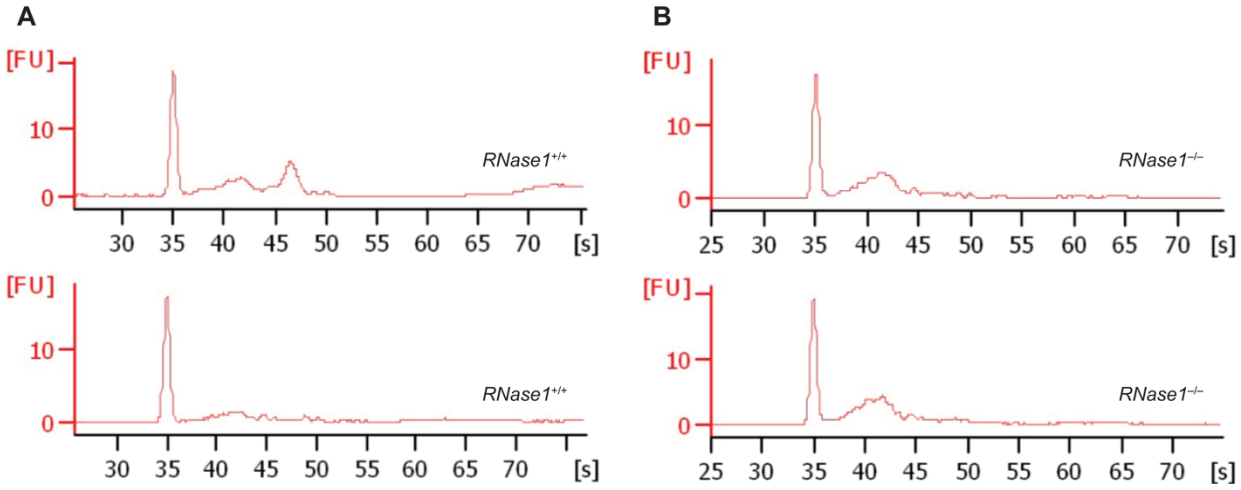

FIGURE S2. Representative Bioanalyzer traces for RNA samples purified from *Rnase1*$^{-/-}$ and *Rnase1*$^{+/+}$ plasma. (*A*) Bioanalyzer traces from *Rnase1*$^{-/-}$ plasma. (*B*) Bioanalyzer traces from *Rnase1*$^{-/-}$ plasma