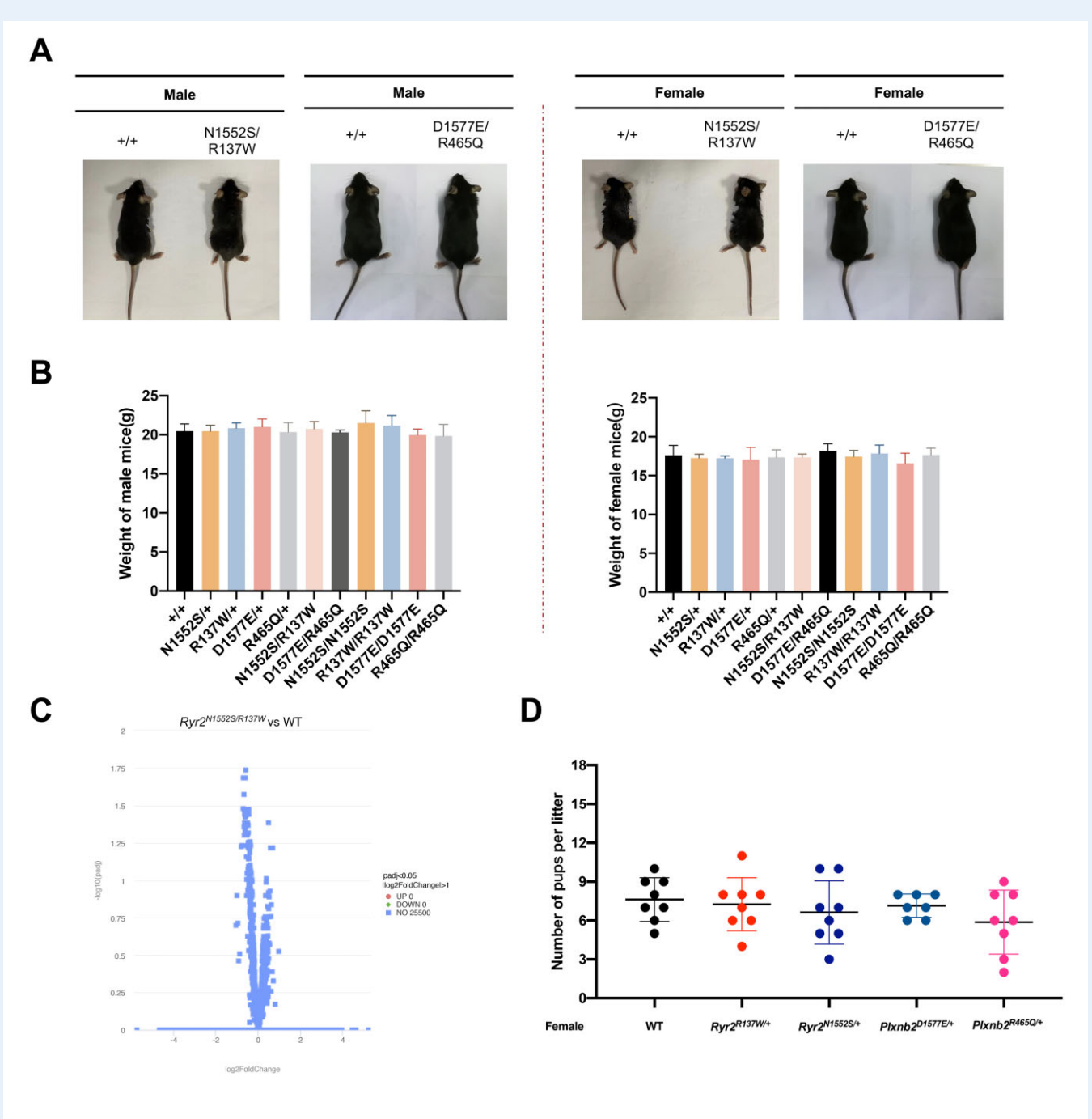


human reproduction SUPPLEMENTARY DATA



Supplementary Figure S4. Generation of gene mutant mice and phenotypic characteristics of offspring with different genotypes. (A) Images of male and female WT, *Ryr2*^{N1552S/R137W} progeny, and *Plxnb2*^{D1577E/R465Q} progeny. (B) Body weight comparison of different genotypes at 6 weeks postpartum (n = 13). (C) Volcano plots show DEGs of *Ryr2*^{N1552S/R137W} vs WT mouse heart at 6 weeks postpartum (fold change ≥ 2 between genotypes for the DEGs, n = 4). (D) The litter sizes were derived from *Ryr2*^{N1552S/+}, *Ryr2*^{R137W/+}, *Plxnb2*^{D1577E/+}, *Plxnb2*^{R465Q/+}, and WT female mice at the age of 8 weeks old for 3 months. The results are shown as the mean ± SD, n = 4/group.