

**Supplemental Figure 1.** Typical endothelium cell restricted PD-L1 deficient (ecPD-L1<sup>-/-</sup>) and ‘Control’ breeding mice construction process based on crosses of PD-L1<sup>flox/flox</sup> animals with B6.FVB-Tg(Cdh5-cre)7Mlia/J breeders.

