

Appendix B

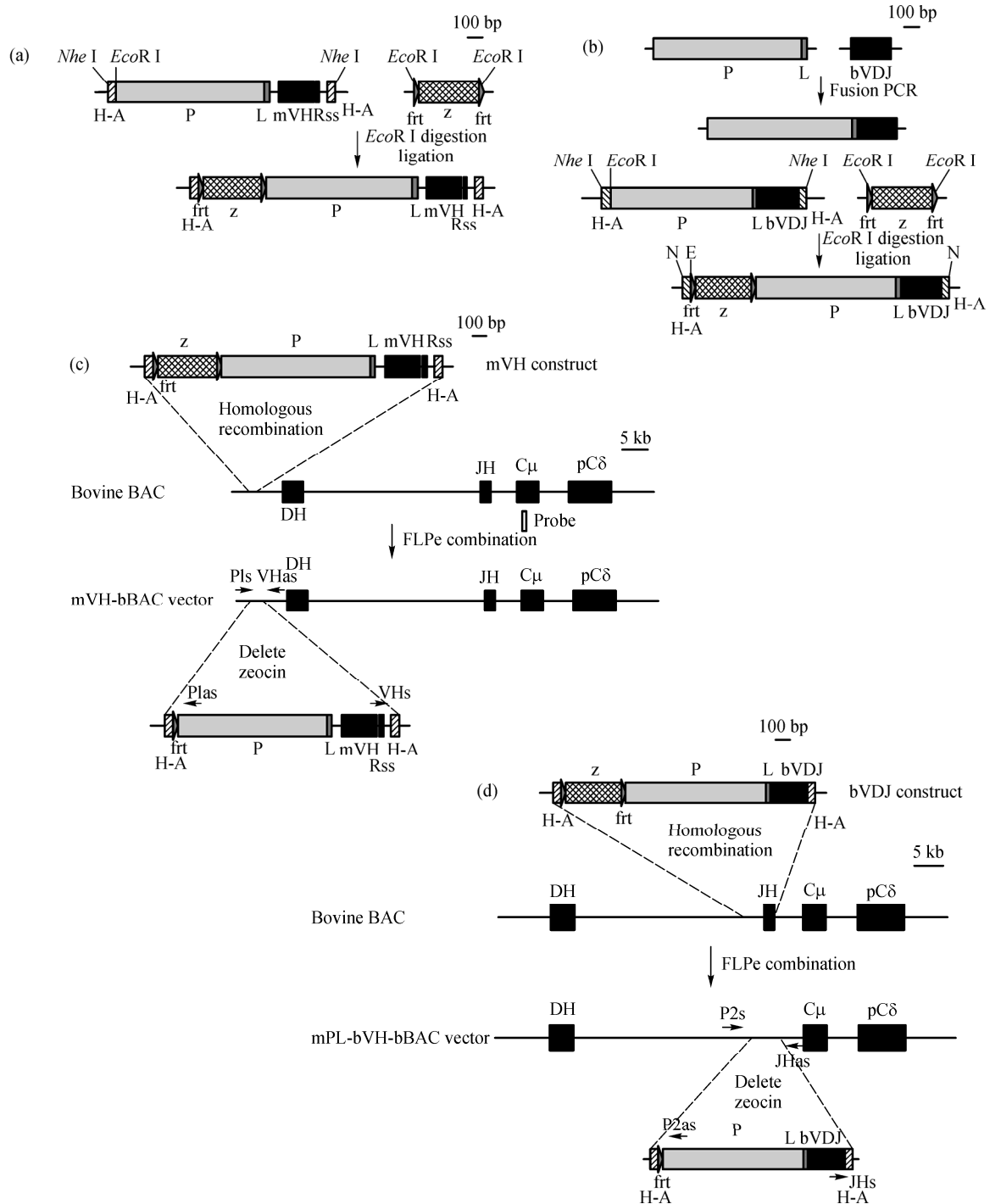


Fig. S1 Gene-targeting strategies. (a) and (b) Preparation and generation of mVH and mPL-bVH gene fragments for homologous recombination. The Zeocin^r gene is depicted as a hatched box. The restriction sites used for the preparation of DNA fragments, N (*Nhe* I) and E (*Eco*R I), are also indicated in the figure; (c) and (d) modification of the BAC construct and the generation of mVH-bBAC and mPL-bVH-bBAC vectors. Homologous recombination was achieved using the λ recombination system, and the assistant gene was removed by FLT recombination. The primer pairs used to verify sequence identity are indicated by arrows, and the probe is indicated by a box. The sizes of the genes are indicated with scales.

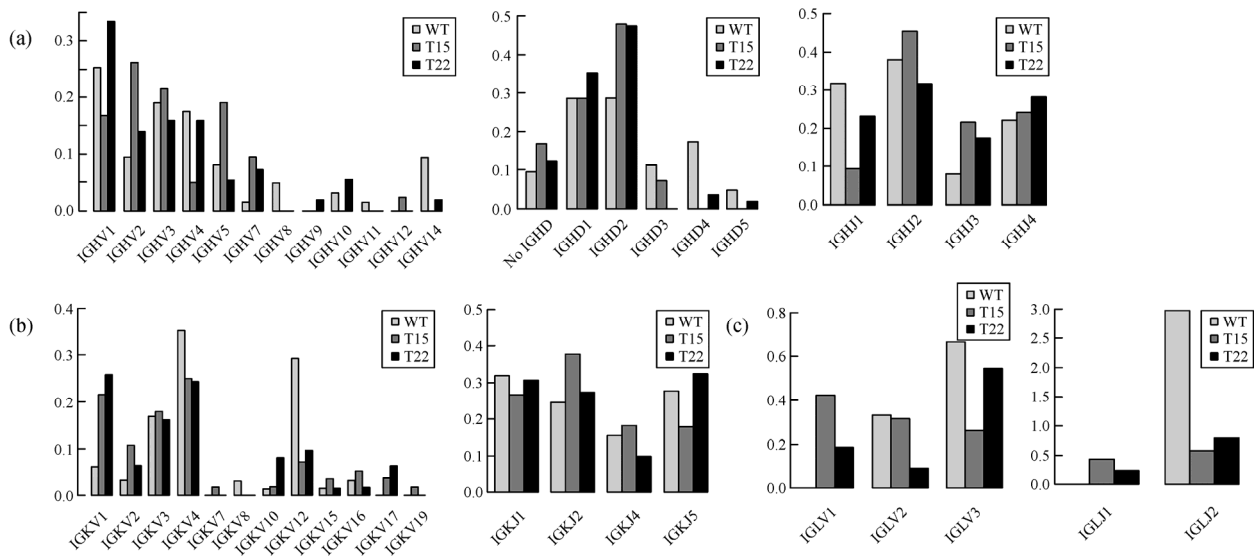


Fig. S2 Usage frequency analysis of variable (V), diversity (D) and joining (J) segments in transgenic lines 15 (T15) and 22 (T22) and in WT mice. (a) Analysis of VH, DH and JH segments; (b) analysis of V κ and J κ segments; (c) analysis of V λ and J λ segments.