



**Supplementary Figure 1.** Targeted disruption of the *Stra8* locus. **(a)** A 7.8 kb region of chromosome 6, containing exons 2-7 of the *Stra8* gene, was replaced with an IRES-LacZ/PGK-Neo selection cassette. E, EcoRV; B, BamHI. **(b)** Southern blot confirmation of correctly targeted ES cell clones using a BamHI/EcoRV (E/B) restriction digest and a probe 3' of the targeted region. The wild-type allele yields a 6.8 kb E/B fragment, while the homologously targeted allele yields a 2.9 kb E/B fragment. **(c)** Germline transmission of the targeted *Stra8* allele verified using a multiplex PCR assay (primers a, b and c indicated on panel a).