



Supplementary Figure 5. ROD1 knockout mice are normal and fertile. **(a)** The body weights recorded for different ROD1 genotypes and sexes at different time points. ROD1 knockout mice were generated with either sgRNA 1 targeting exon 3 or sgRNA 3

targeting exon 5. For each genotype and sex, 10 age-matched mice were measured from week 1 to week 8. **(b)** Representative morphology of the spleen, lung and testis from 8-week-old *RODI*^{+/+}, *RODI*^{+/-} and *RODI*^{-/-} mice. N = 3 for each genotype. **(c)** Hematoxylin and eosin staining of testis, thymus and lung sections from 8-week-old mice (n = 3). Scale bar: 50 μ m. **(d)** Flow cytometric analysis of splenic lymphocyte numbers in different genotypes (n = 3). Fo B: Follicular B; MZ B: Marginal zone B; NK: Natural killer; Gr: Granular; Ma: Macrophage; Mono: Monocyte; DC: Dendritic cell; Pro B: Progenitor B; Pre B: Precursor B.