



Supplementary information, Fig. S1 Ddx3xb expression pattern during early zebrafish development. **a**, Relative mRNA expression level of *ddx3xa* and *ddx3xb* in zebrafish. $n = 3$ biological replicates, error bars, mean \pm SD, P values were calculated by the two-tailed Student's t -test, ***, $P < 0.001$. **b**, Whole-mount *in situ* hybridization (WISH) shows *ddx3xb* mRNA expression pattern in different developmental stages. Scale bars, 100 μ m. **c**, Western blot (left) and statistical (right) analyses show protein level of Ddx3xb at 0 hpf, 2 hpf, 4 hpf and 6 hpf. $n = 3$ biological replicates, error bars, mean \pm SD.