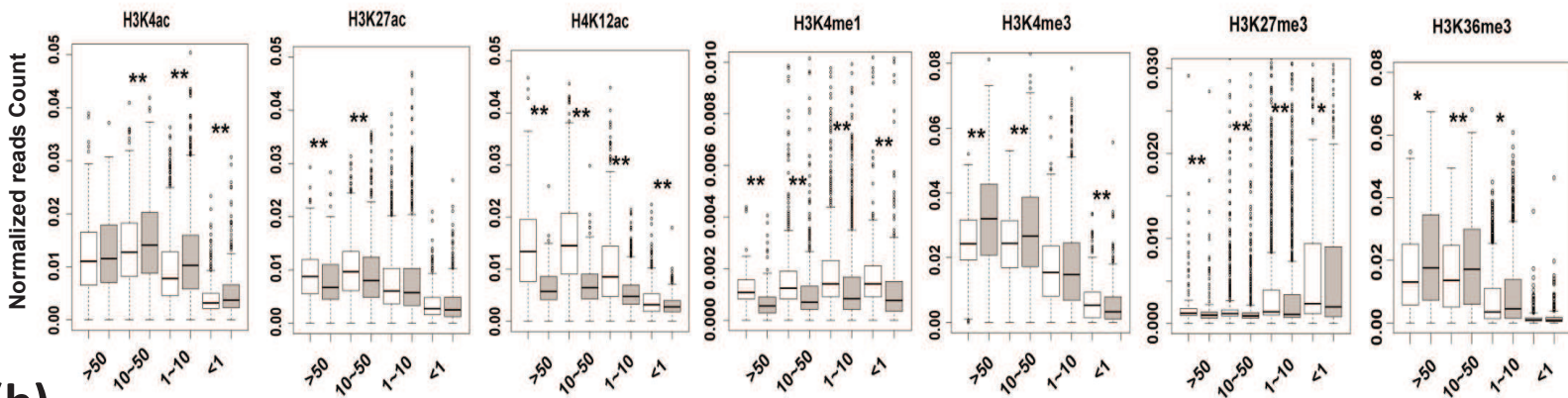
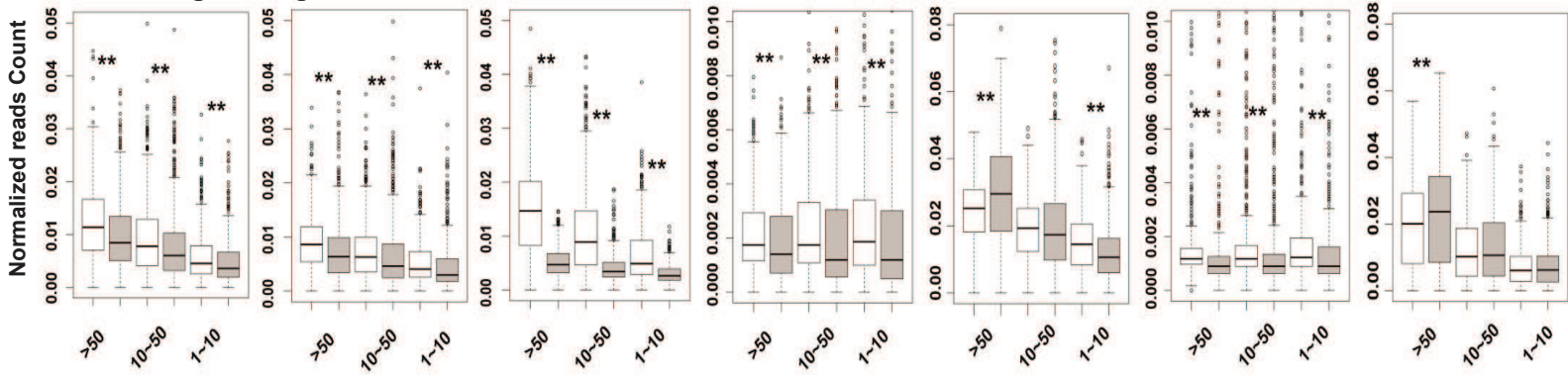


**(a)** Up-regulated genes



**(b)** Down-regulated genes



\*  $p$ -value < 0.05, \*\*  $p$ -value < 0.01

**Fig. S4**