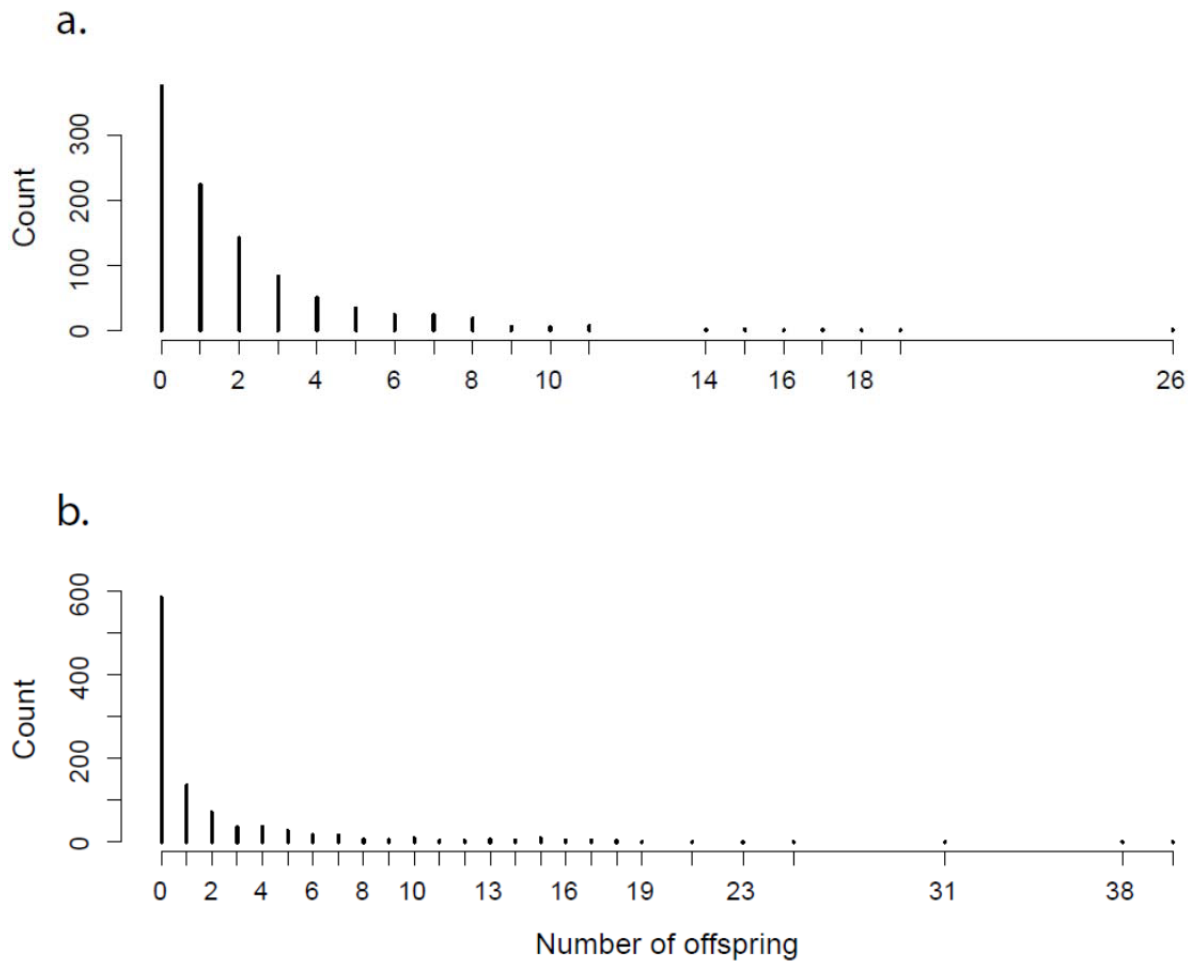


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663 **Additional file 4. Assumed lifetime reproductive success of Burrishoole Atlantic**
 664 **salmon for females (a), and males (b).** The distributions are negative binomial distributions
 665 with dispersion parameters 0.25 and 0.75 for males and females, respectively. In the above
 666 example, the average reproductive success for each gender is assumed to be two (i.e. stable
 667 population size), while in the simulations average reproductive success is adjusted for
 668 empirical census population size (Table 1).