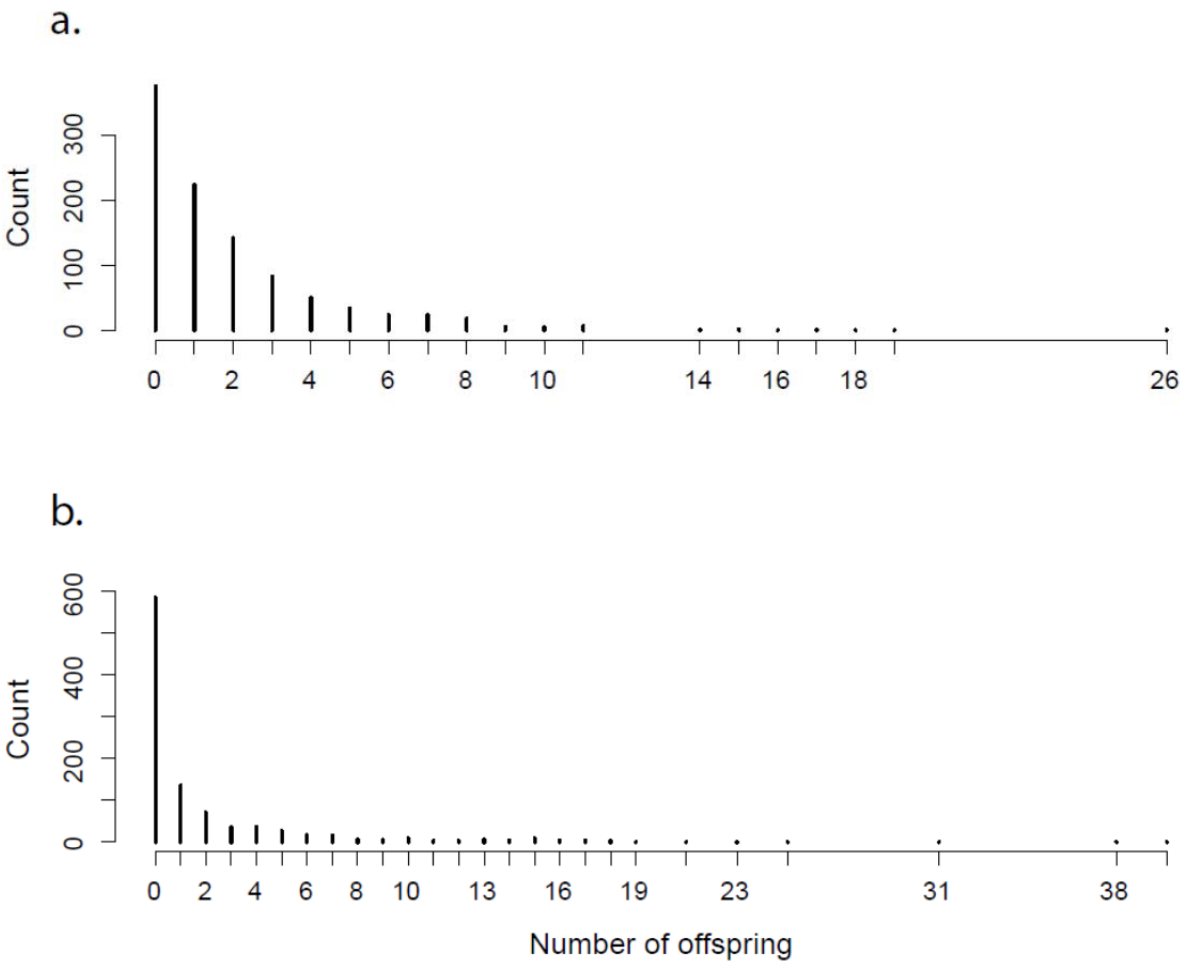


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663 **Additional file 4. Assumed lifetime reproductive success of Burrishoole Atlantic**  
664 **salmon for females (a), and males (b).** The distributions are negative binomial distributions  
665 with dispersion parameters 0.25 and 0.75 for males 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).