

Fig. S1 The change in q^* and E^* with increasing condition for each model investigated for six different potential relationships between somatic maintenance and lifespan, where s=0. In each case p is given in the legend.

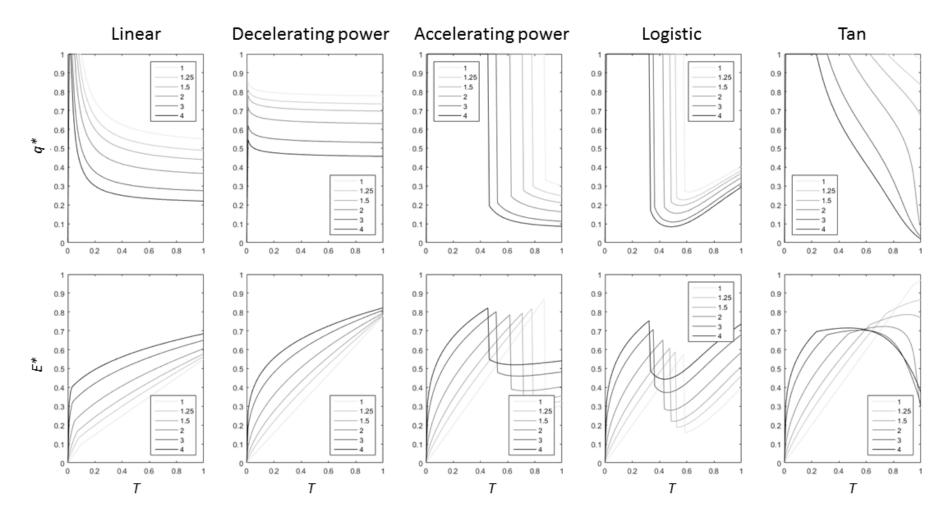


Fig. S2 The change in q^* and E^* with increasing condition for each model investigated for six different potential relationships between somatic maintenance and lifespan, where s=0.1. In each case p is given in the legend.

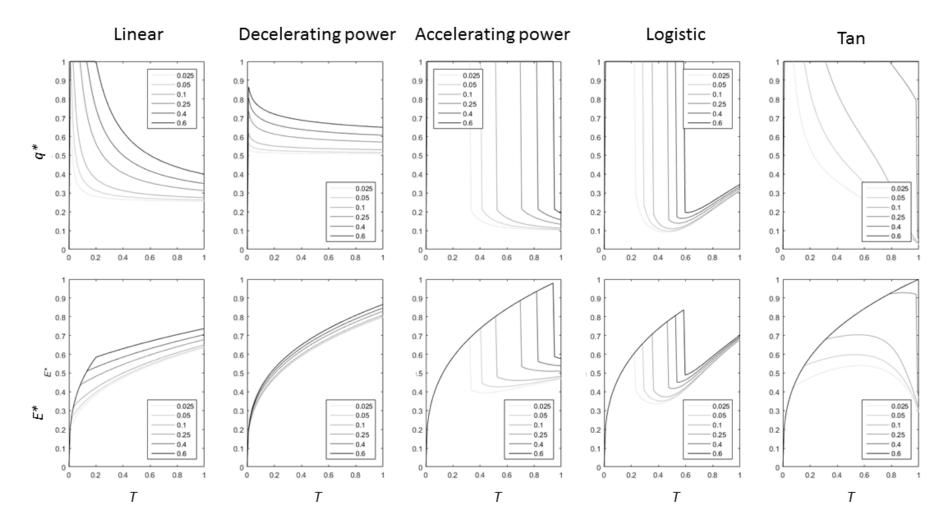


Fig. S3 The change in q^* and E^* with increasing condition for each model investigated for six different potential values of s. In each case s is given in the legend.

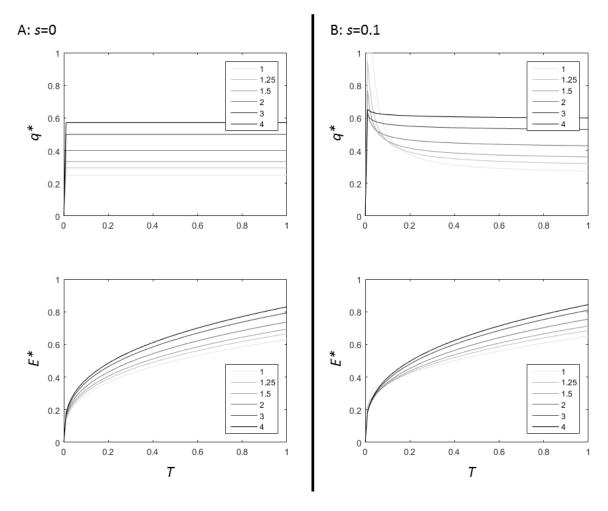


Fig S4. The change in q^* and E^* with increasing condition for six fitness functions where the relationship between secondary sexual trait expression and mating success is a decelerating power function, where s=0 (A), and s=0.1 (B). The value of m for each function is shown in the legend.