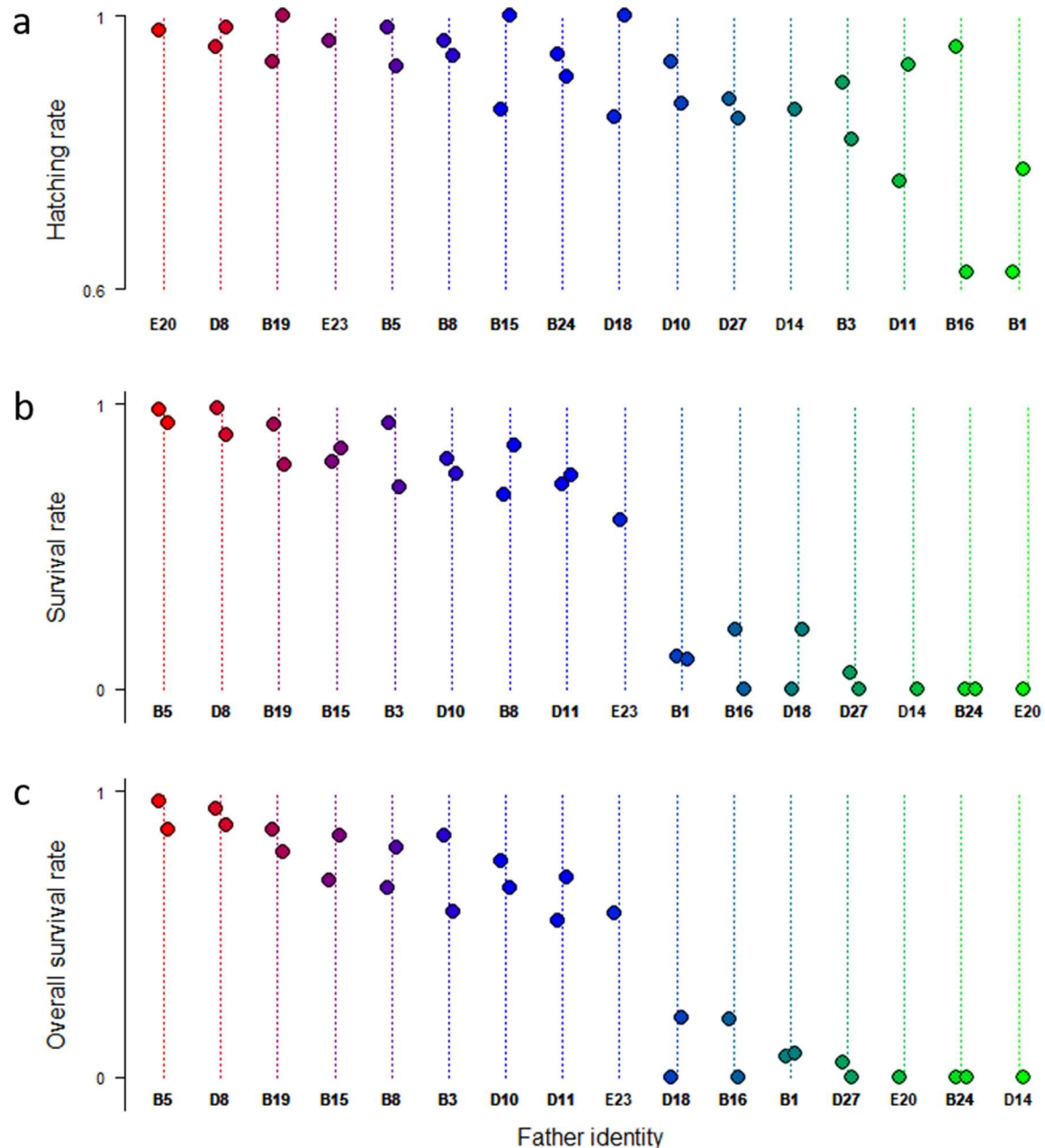


Relationships between male secondary sexual traits, physiological state and offspring viability in the three-spined stickleback

Violette Chiara, Alberto Velando, Sin-Yeon Kim

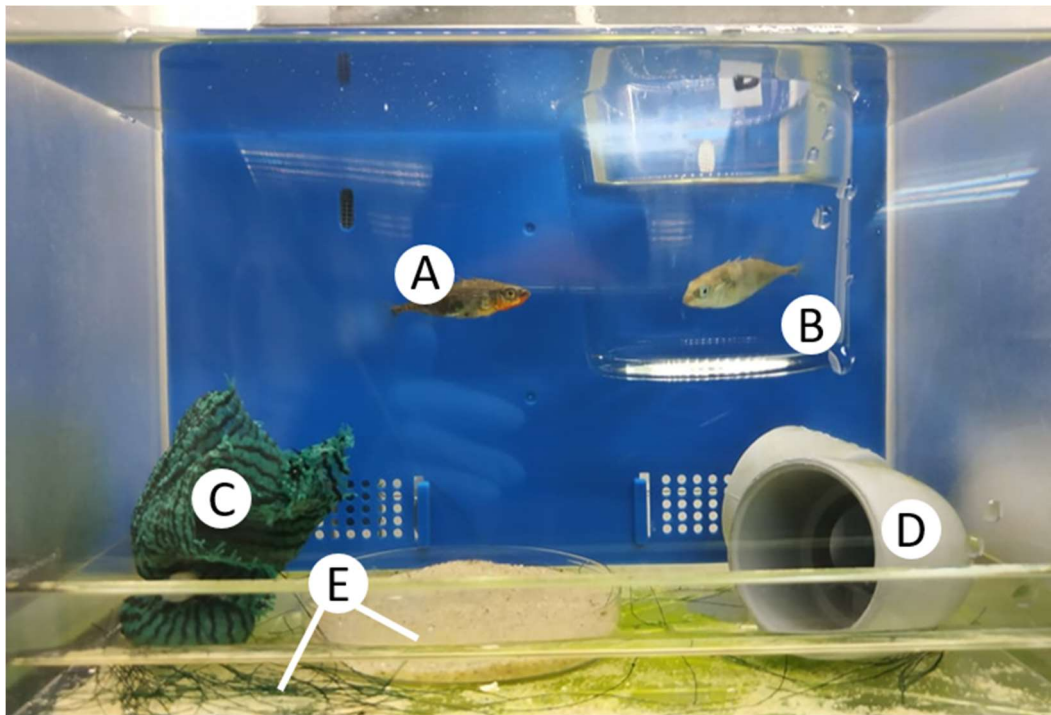
SUPPLEMENTARY FIGURES

Fig. S1



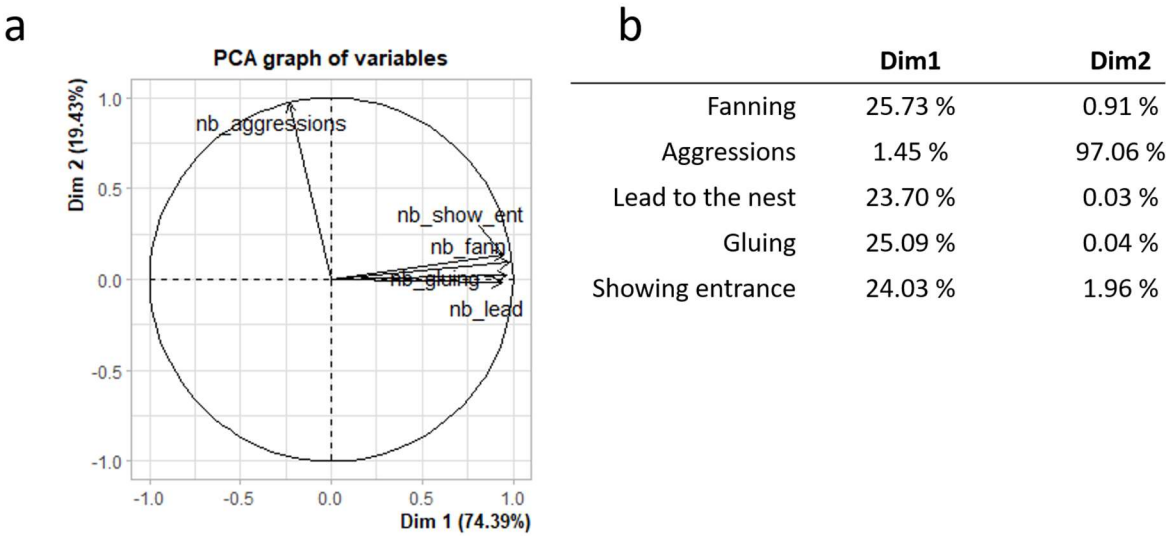
a) Hatching success, b) survival rate after hatching and c) overall hatching and survival rate of different clutches sired by different males. The father identity is indicated in the x-axes; fathers are ordered according to the mean hatching/survival rate.

Fig. S2



A male's tank during female presentation. (A) Male, (B) gravid female within a glass, (C) artificial plant, (D) PVC shelter, and (E) nest materials (Petri dish filled with sand, and threads).

Fig. S3



Principal Component Analysis (PCA) of the male’s behaviours during the courtship test. a) PCA graphic of the variables and b) summary of the contributions of the different variables to the two different axis.