



**Figure S1.** A model stickleback and a model pike. The model school consisted of six model sticklebacks.

**Table S1**

Raw (nontransformed) values of all behavioural variables

Behaviour	Mean	SE	Range
<b>Experiment 1</b>			
Schooling (s)	95.88	22.95	0–543.88
Latency to school (s)	129.64	14.61	0–300
Proportion of time spent schooling in the middle	23.91	2.75	0–67.33
<b>Experiment 2</b>			
Number of freezes	11.68	1.35	2–22
Number of orients to stimulus	5.37	0.78	0–11
Time with stimulus (s)	2.22	1.01	0–13.65
Time frozen (s)	228.52	18.44	104.28–355.64
Time hidden in refuge (s)	128.48	23.78	0–317.75

Values are for both treatments ('previous experience' and 'immediate exposure') combined.

**Video S1.** A stickleback schooling with the model school. Assay adapted from Wark et al. (2011).

## References

**Wark, A. R., Greenwood, A. K., Taylor, E. M., Yoshida, K. & Peichel, C. L.** 2011. Heritable differences in schooling behavior among threespine stickleback populations revealed by a novel assay. *PLoS One*, **6**, e18316. doi:10.1371/journal.pone.0018316.