Table S1: Full model with all tested predictors and interactions to explain variation in the parameter k, which determines how strongly winning and losing predicts the outcome of future interactions.

parameter	coefficient	D	p-value
(intercept)	4.904	514.0	< 0.001
aggression intensity index	17.836	4.5	0.033
genetic hybrid score	-0.579	0.3	0.590
contest outcome	0.290	6.0	0.015
age	-0.019	2.0	0.155
days inactive	0.007	3.5	0.061
aggression intensity index : contest outcome	-6.948	0.9	0.330
genetic hybrid score : contest outcome	0.102	1.9	0.165
age : contest outcome	-0.034	15.7	< 0.001
days inactive : contest outcome	-0.003	0.4	0.506
aggression intensity index : genetic hybrid score	-0.722	0.0	0.905