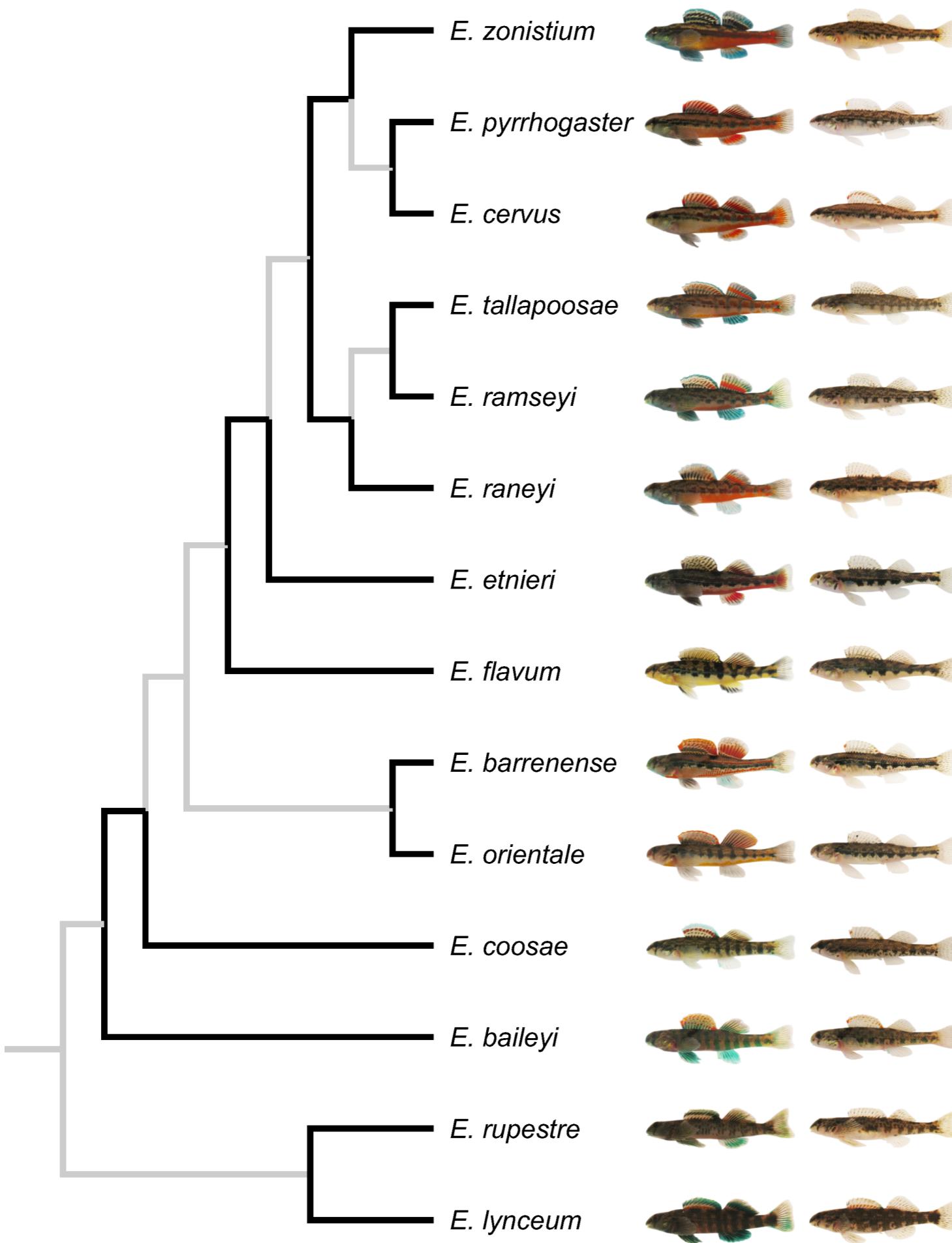




***Etheostoma coosae*, breeding male**

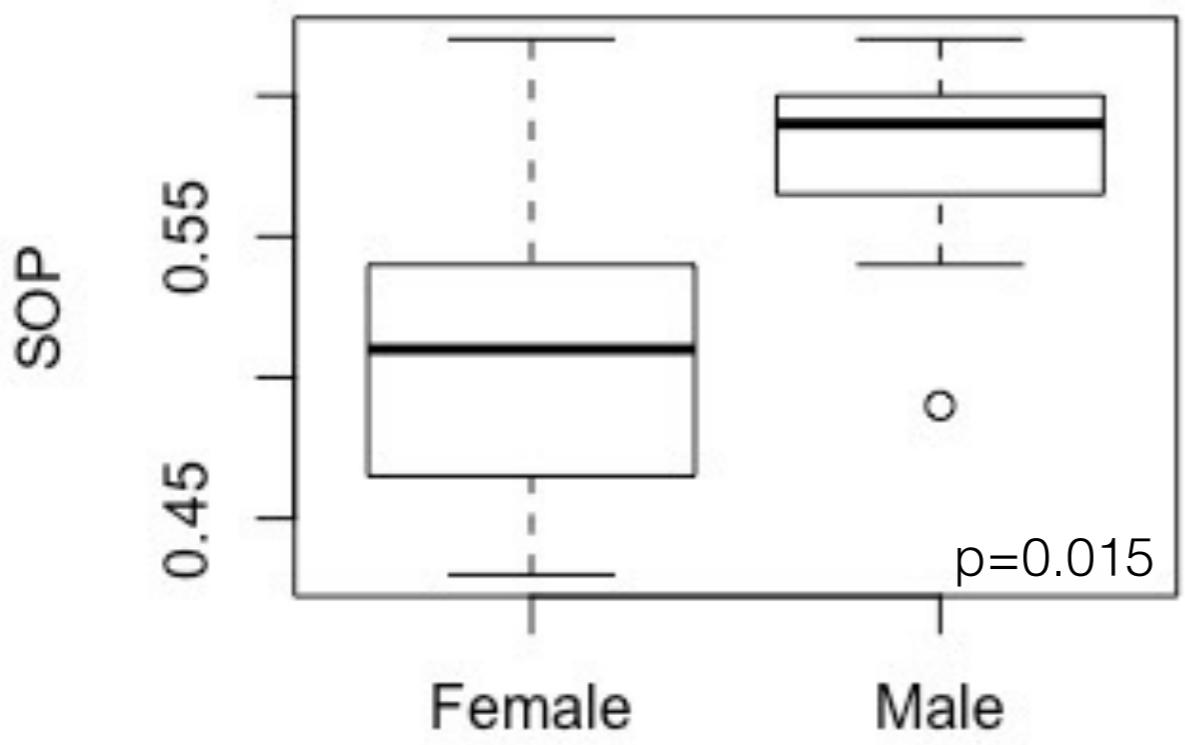
photo credit: Vance Imhoff



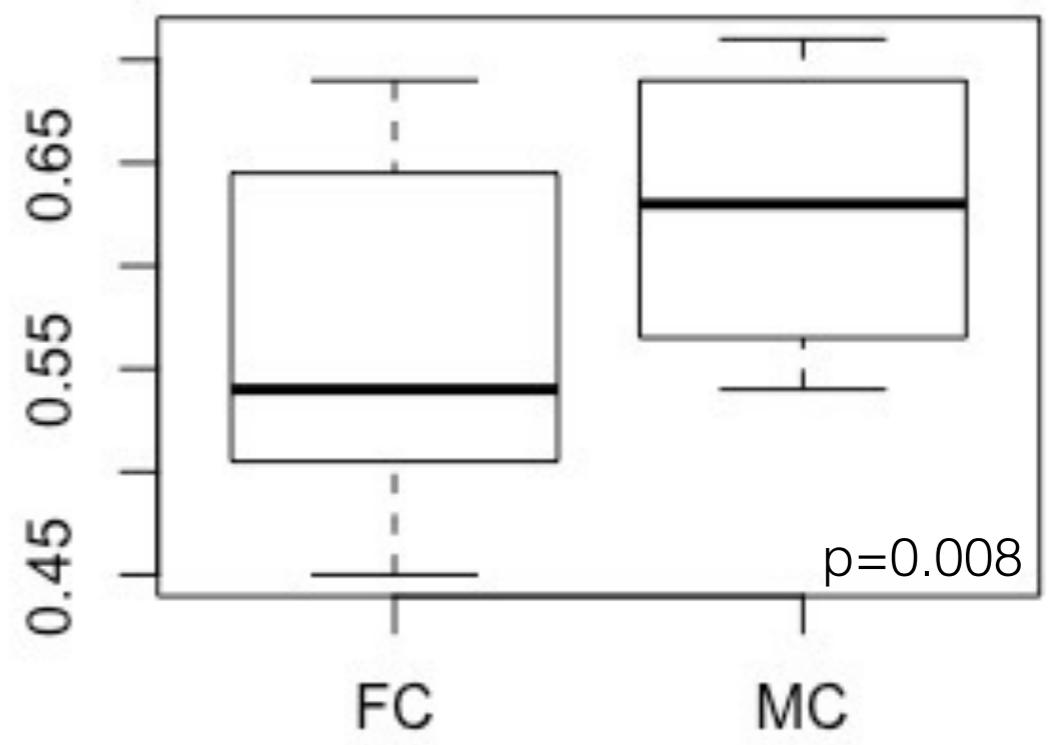
Seven pairs of allopatric,
phylogenetically
independent species
pairs in the freshwater
fish genus *Etheostoma*

Species	SOP _F	SOP _M	FC _{stream}	MC _{stream}	Average SOP _F	Average SOP _M	Average FC _{stream}	Average MC _{stream}	GD _{cytb}
<i>E. cervus</i>	0.37 (0.08)	0.59 (0.08)	0.51	0.60	0.43	0.59	0.54	0.56	0.009
<i>E. pyrrhogaster</i>	0.50 (0.08)	0.58 (0.08)	0.57	0.53					
<i>E. ramseyi</i>	0.48 (0.07)	0.64 (0.07)*	0.45	0.57	0.53	0.59	0.47	0.54	0.100
<i>E. tallapoosae</i>	0.58 (0.07)	0.55 (0.10)	0.50	0.51					
<i>E. raneyi</i>	0.48 (0.06)	0.50 (0.06)	0.41	0.54	0.51	0.54	0.45	0.57	0.163
<i>E. zonistium</i>	0.52 (0.08)	0.57 (0.05)	0.48	0.61					
<i>E. barrenense</i>	0.57 (0.09)	0.60 (0.11)	0.37	0.80	0.55	0.60	0.54	0.63	0.228
<i>E. orientale</i>	0.52 (0.08)	0.60 (0.10)	0.72	0.47					
<i>E. lynceum</i>	0.46 (0.10)	0.21 (0.08)*	0.78	0.61	0.44	0.49	0.69	0.70	0.276
<i>E. rupestre</i>	0.43 (0.12)	0.77 (0.07)*	0.60	0.79					
<i>E. baileyi</i>	0.60 (0.09)	0.48 (0.09)	0.68	0.83	0.49	0.60	0.68	0.71	0.371
<i>E. coosae</i>	0.38 (0.07)	0.71 (0.08)*	0.67	0.60					
<i>E. etnieri</i>	0.53 (0.08)	0.51 (0.08)	0.54	0.61	0.62	0.62	0.61	0.68	0.381
<i>E. flavum</i>	0.69 (0.07)	0.72 (0.07)*	0.69	0.75					

Strength of preference for conspecifics for females and males of fourteen species of *Etheostoma*.

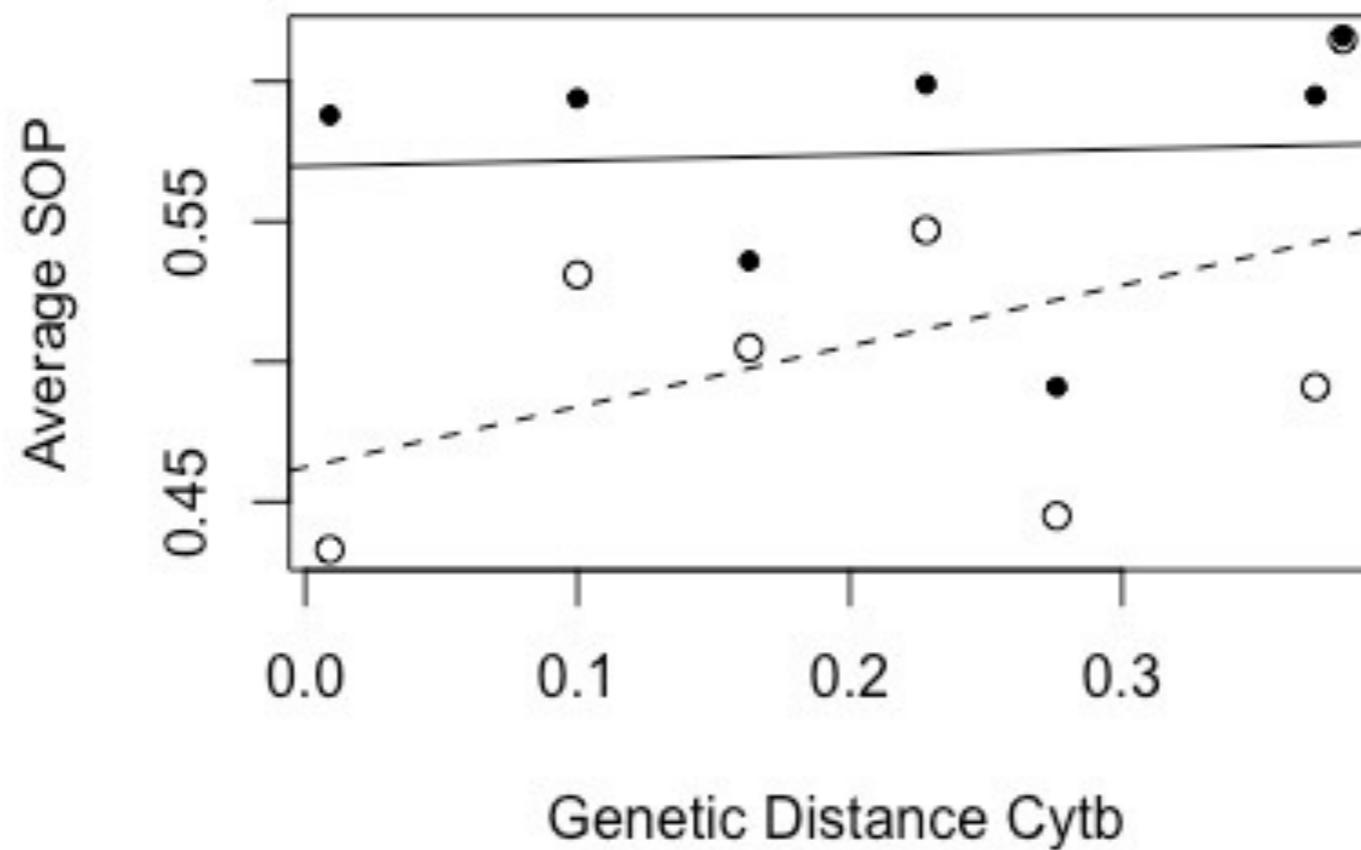


Strength of preference for
conspecifics (SOP) for females and
males in dichotomous mate choice trials.



Strength of preference for
conspecifics (SOP) for females and
males in artificial stream trials.

$$0 < \text{SOP} < 1$$



Relationship between strength of preference for conspecifics in dichotomous mate choice trials and genetic distance, for males (solid) and females (open). Relationships differ significantly in intercept ($p=0.047$).