

**Table S2: Pairwise  $F_{ST}$ .** Pairwise genetic differentiation among the lake and stream stickleback ecotypes from four lake systems in Switzerland estimated as  $F_{ST}$  (below diagonal) and respective  $p$  values (above diagonal) based on a bootstrap procedure with 1000 replicates. The sample sizes (n) and sampling year for each population are indicated. See main text for details.

System	Habitat	Year	Wohlen		Biel		Constance		Geneva			
			Lake	Stream	Lake	Stream	Lake	Stream	Lake 1	Stream 1	Lake 2	Stream 2
Wohlen	Lake (n=30)	2007	-	0.722	0.027	0.074	0.001	0.001	0.001	0.001	0.001	0.001
	Stream (n=19)	2012	-0.005	-	0.105	0.209	0.001	0.001	0.001	0.001	0.001	0.001
Biel	Lake (n=28)	2012	0.014	0.011	-	0.158	0.001	0.001	0.001	0.001	0.001	0.001
	Stream (n=13)	2012	0.014	0.009	0.011	-	0.001	0.001	0.001	0.001	0.001	0.001
Constance	Lake (n=30)	2007	0.144	0.139	0.157	0.180	-	0.001	0.001	0.001	0.001	0.001
	Stream (n=32)	2012	0.151	0.152	0.168	0.173	0.038	-	0.001	0.001	0.001	0.001
Geneva	Lake 1 (n=30)	2008	0.234	0.248	0.219	0.208	0.303	0.246	-	0.001	0.163	0.100
	Stream 1 (n=30)	2007	0.238	0.258	0.229	0.226	0.343	0.284	0.053	-	0.001	0.001
	Lake 2 (n=30)	2012	0.264	0.279	0.252	0.246	0.349	0.288	0.007	0.031	-	0.593
	Stream 2 (n=30)	2012	0.296	0.311	0.281	0.275	0.379	0.315	0.010	0.065	-0.003	-