

Table S1: Real-time PCR analysis of AroA, ER β a and ER β b mRNAs in NBH and SC larvae after estrogen treatment (15 – 18 dpf)(Expt 3). Individual killifish larvae from the two sites were exposed to vehicle alone (0.001% DMSO) or one of a range of E2 concentrations (0.001 - 0.3 μ M; n = 6 per treatment condition) (see legend to Fig. 3). Data for each mRNA species were analyzed separately by two-way ANOVA for effects of dose and site. No significant effects of E2 were observed (p >0.05); therefore, all E2 dosage groups from a given site were combined and reanalyzed by two-way ANOVA. No statistically significant differences between sites or treatments were identified (p >0.05). Values shown are β -actin normalized mRNA levels \pm SEM (controls, n = 6; E2, n = 36).

	AroA x 10³		ERβa x 10⁴		ERβb x 10²	
	SC	NBH	SC	NBH	SC	NBH
Control	2.14 \pm 0.60	1.85 \pm 0.59	0.97 \pm 0.44	1.08 \pm 0.64	2.25 \pm 0.60	2.91 \pm 0.30
E2	2.38 \pm 0.17	1.79 \pm 0.14	1.14 \pm 0.15	0.96 \pm 0.08	2.91 \pm 0.11	2.56 \pm 0.11