

Table S1: Tukey-adjusted pairwise contrasts of different cross types from the 2016 and 2017 dominance experiments for the estimation of dominance status (dominant, intermediate and subordinate) using logistic regression with binomial GLM model. Estimate, parameter estimate. SE, standard errors. z, Wald z-statistics. Cross types in 2016: Wild.NA_{EO} = NF wild with a signal of EO ancestry; Farm.NA = NA farmed; Hb.NA = Wild.NA_{EO} x Farm.NA; Farm.EO = EO farmed; Hb.EO = Wild.NA_{EO} x Farm.EO. Cross types in 2017: Wild.NA = NF wild with no signal of EO ancestry; Farm.EO; Hb_{w♀} = Wild.NA♀ x Farm.EO♂; Hb_{f♀} = Wild.NA♂ x Farm.EO♀.

Dominance experiment (2016)				Dominance experiment (2017)			
Pairwise contrasts	Estimate	z	P	Pairwise contrasts	Estimate	z	P
<i>Dominant</i>				<i>Dominant</i>			
Wild.NA _{EO} - Farm.NA	-1.75	-3.11	<0.05	Wild.NA- Hb _{w♀}	0.39	0.76	0.87
Wild.NA _{EO} - Farm.EO	-1.29	-2.28	0.15	Wild.NA- Hb _{f♀}	0.69	1.29	0.57
Wild.NA _{EO} - Hb.NA	-0.36	-0.60	0.98	Wild.NA- Farm.EO	-0.81	-1.66	0.34
Wild.NA _{EO} - Hb.EO	-0.35	-0.59	0.97	Hb _{w♀} - Hb _{f♀}	0.30	0.54	0.95
Farm.NA- Farm.EO	0.46	0.95	0.88	Hb _{w♀} - Farm.EO	-1.20	-2.38	0.08
Farm.NA- Hb.NA	1.39	2.64	0.06	Hb _{f♀} - Farm.EO	-1.50	-2.85	<0.05
Farm.NA - Hb.EO	1.38	2.63	0.07				
Farm.EO- Hb.NA	0.93	1.76	0.40				
Farm.EO- Hb.EO	0.92	1.75	0.39				
Hb.NA- Hb.EO	0.0	0.0	1.0				
<i>Intermediate</i>				<i>Intermediate</i>			
Wild.NA _{EO} - Farm.NA	-0.12	-0.24	1.0	Wild.NA- Hb _{w♀}	0.0	0.0	1.0
Wild.NA _{EO} - Farm.EO	-0.11	-0.23	0.99	Wild.NA- Hb _{f♀}	-0.12	-0.24	0.99
Wild.NA _{EO} - Hb.NA	-0.35	-0.72	0.95	Wild.NA- Farm.EO	0.12	0.25	1.0
Wild.NA _{EO} - Hb.EO	-0.69	-1.43	0.61	Hb _{w♀} - Hb _{f♀}	-0.12	-0.25	0.99
Farm.NA- Farm.EO	0.0	0.0	1.0	Hb _{w♀} - Farm.EO	0.12	0.25	1.0
Farm.NA- Hb.NA	-0.23	-0.48	0.98	Hb _{f♀} - Farm.EO	0.25	0.49	0.96
Farm.NA - Hb.EO	-0.58	-1.19	0.76				
Farm.EO- Hb.NA	-0.23	-0.48	0.99				
Farm.EO- Hb.EO	-0.57	-1.19	0.76				
Hb.NA- Hb.EO	-0.35	-0.72	0.95				
<i>Subordinate</i>				<i>Subordinate</i>			
Wild.NA _{EO} - Farm.NA	3.0	2.80	<0.05	Wild.NA- Hb _{w♀}	-0.41	-0.78	0.86
Wild.NA _{EO} - Farm.EO	1.27	2.12	0.21	Wild.NA- Hb _{f♀}	-0.54	-1.03	0.73

Dominance experiment (2016)				Dominance experiment (2017)			
Pairwise contrasts	Estimate	<i>z</i>	<i>P</i>	Pairwise contrasts	Estimate	<i>z</i>	<i>P</i>
Wild.NA _{EO} - Hb.NA	0.12	0.25	0.99	Wild.NA- Farm.EO	1.31	1.82	0.26
Wild.NA _{EO} - Hb.EO	1.05	1.85	0.35	Hb _{w♀} - Hb _{r♀}	-0.12	-0.25	0.99
Farm.NA- Farm.EO	-1.74	-1.54	0.53	Hb _{w♀} - Farm.EO	1.72	2.45	0.70
Farm.NA- Hb.NA	-2.88	-2.67	0.06	Hb _{r♀} - Farm.EO	1.84	2.64	<0.05
Farm.NA - Hb.EO	-1.95	-1.76	0.40				
Farm.EO- Hb.NA	-1.14	-1.90	0.32				
Farm.EO- Hb.EO	-0.22	-0.33	1.0				
Hb.NA- Hb.EO	0.93	1.62	0.49				

Table S2: Estimated marginal means of different cross types from the growth and survival experiments (2016 and 2017) in tank and stream environments derived from the fitted final models for final mass (mg) and length (cm), SGR_{mass}, SGR_{length}, condition, and survival (%). SE, standard errors. Lower. CL, lower confidence limit. Upper. CL, upper confidence limit. Cross types in 2016: Wild.NA_{EO} = NF wild with a signal of EO ancestry; Farm.NA = NA farmed; Hb.NA = Wild.NA_{EO} x Farm.NA; Farm.EO = EO farmed; Hb.EO = Wild.NA_{EO} x Farm.EO. Cross types in 2017: Wild.NA = NF wild with no signal of EO ancestry; Farm.EO; Hb_{w♀} = Wild.NA♀ x Farm.EO♂; Hb_{f♀} = Wild.NA♂ x Farm.EO♀.

Cross types	Estimated marginal mean	±SE	Lower. CL	Upper. CL
<i>Final mass in tank environment (2016)</i>				
Wild.NA _{EO} (Allopatric)	813.97	28.48	757.16	870.78
Wild.NA _{EO} (Sympatric NA)	771.40	28.04	715.41	827.38
Hb.NA	784.28	28.20	728.04	840.53
Farm.NA	890.41	27.87	834.70	946.13
Wild.NA _{EO} (Sympatric EO)	676.66	28.10	620.57	732.75
Hb.EO	797.98	27.96	742.12	853.84
Farm.EO	940.48	28.13	884.35	996.61
<i>Final length in tank environment (2016)</i>				
Wild.NA _{EO} (Allopatric)	4.63	0.0521	4.53	4.74
Wild.NA _{EO} (Sympatric NA)	4.50	0.0537	4.39	4.61
Hb.NA	4.49	0.0533	4.38	4.60
Farm.NA	4.66	0.0539	4.56	4.77
Wild.NA _{EO} (Sympatric EO)	4.37	0.0535	4.26	4.47
Hb.EO	4.49	0.0538	4.39	4.60
Farm.EO	4.64	0.0535	4.54	4.75
<i>SGR_{mass} in tank environment (2016)</i>				
Wild.NA _{EO} (Allopatric)	2.17	0.0392	2.10	2.25
Wild.NA _{EO} (Sympatric NA)	2.22	0.0403	2.14	2.30
Hb.NA	2.38	0.0400	2.30	2.45
Farm.NA	2.48	0.0405	2.40	2.56
Wild.NA _{EO} (Sympatric EO)	2.14	0.0402	2.06	2.22
Hb.EO	2.13	0.0404	2.05	2.21
Farm.EO	2.31	0.0402	2.23	2.39
<i>SGR_{length} in tank environment (2016)</i>				
Wild.NA _{EO} (Allopatric)	0.69	0.0143	0.67	0.72
Wild.NA _{EO} (Sympatric NA)	0.68	0.0148	0.65	0.71
Hb.NA	0.73	0.0147	0.70	0.76
Farm.NA	0.76	0.0148	0.73	0.79
Wild.NA _{EO} (Sympatric EO)	0.68	0.0147	0.65	0.71
Hb.EO	0.65	0.0148	0.62	0.68
Farm.EO	0.74	0.0147	0.72	0.77
<i>Condition in tank environment (2016)</i>				
Wild.NA _{EO} (Allopatric)	0.82	0.0164	0.79	0.85
Wild.NA _{EO} (Sympatric NA)	0.85	0.0169	0.82	0.89
Hb.NA	0.87	0.0168	0.84	0.91
Farm.NA	0.88	0.0170	0.84	0.91
Wild.NA _{EO} (Sympatric EO)	0.82	0.0168	0.78	0.85

Cross types	Estimated marginal mean	±SE	Lower. CL	Upper. CL
Hb.EO	0.87	0.0169	0.83	0.90
Farm.EO	0.93	0.0168	0.90	0.97
<i>Survival (%) in tank environment (2016)</i>				
Wild.NA _{EO} (Allopatric)	96.39	2.68	91.02	101.75
Wild.NA _{EO} (Sympatric NA)	93.73	1.82	90.03	97.42
Hb.NA	91.25	1.87	87.47	95.03
Farm.NA	94.00	1.75	90.44	97.55
Wild.NA _{EO} (Sympatric EO)	90.07	1.83	86.35	93.78
Hb.EO	92.46	1.78	88.83	96.09
Farm.EO	89.88	1.86	86.12	93.65
<i>Final mass in stream environment (2016)</i>				
Wild.NA _{EO} (Allopatric)	452.55	25.3	401.96	503.14
Wild.NA _{EO} (Sympatric NA)	561.62	26.0	511.03	612.21
Hb.NA	392.47	25.8	341.88	443.06
Farm.NA	441.78	25.8	391.19	492.37
Wild.NA _{EO} (Sympatric EO)	398.17	25.9	347.58	448.76
Hb.EO	532.69	25.7	482.10	583.28
Farm.EO	548.55	25.6	497.96	599.14
<i>Final length in stream environment (2016)</i>				
Wild.NA _{EO} (Allopatric)	3.93	0.0532	3.82	4.03
Wild.NA _{EO} (Sympatric NA)	4.15	0.0551	4.04	4.25
Hb.NA	3.68	0.0545	3.57	3.79
Farm.NA	3.80	0.0547	3.70	3.91
Wild.NA _{EO} (Sympatric EO)	3.78	0.0549	3.67	3.89
Hb.EO	4.06	0.0544	3.96	4.17
Farm.EO	4.05	0.0542	3.94	4.15
<i>SGRmass in stream environment (2016)</i>				
Wild.NA _{EO} (Allopatric)	1.43	0.0576	1.32	1.55
Wild.NA _{EO} (Sympatric NA)	1.70	0.0587	1.58	1.81
Hb.NA	1.44	0.0584	1.32	1.55
Farm.NA	1.55	0.0585	1.43	1.66
Wild.NA _{EO} (Sympatric EO)	1.32	0.0586	1.20	1.43
Hb.EO	1.46	0.0583	1.34	1.57
Farm.EO	1.63	0.0582	1.51	1.74
<i>SGRlength in stream environment (2016)</i>				
Wild.NA _{EO} (Allopatric)	0.47	0.0190	0.44	0.51
Wild.NA _{EO} (Sympatric NA)	0.55	0.0196	0.51	0.58
Hb.NA	0.50	0.0194	0.46	0.54
Farm.NA	0.51	0.0194	0.48	0.55
Wild.NA _{EO} (Sympatric EO)	0.41	0.0195	0.38	0.45
Hb.EO	0.47	0.0193	0.43	0.51
Farm.EO	0.51	0.0193	0.47	0.55
<i>Condition in stream environment (2016)</i>				
Wild.NA _{EO} (Allopatric)	0.75	0.0175	0.71	0.78
Wild.NA _{EO} (Sympatric NA)	0.78	0.0180	0.75	0.82

Cross types	Estimated marginal mean	±SE	Lower. CL	Upper. CL
Hb.NA	0.79	0.0178	0.75	0.82
Farm.NA	0.80	0.0179	0.76	0.83
Wild.NA _{EO} (Sympatric EO)	0.74	0.0179	0.70	0.77
Hb.EO	0.78	0.0178	0.74	0.81
Farm.EO	0.82	0.0178	0.79	0.86
<i>Survival (%) in stream environment (2016)</i>				
Wild.NA _{EO} (Allopatric)	92.38	2.55	87.30	97.46
Wild.NA _{EO} (Sympatric NA)	94.34	2.39	89.56	99.11
Hb.NA	93.64	2.44	88.77	98.50
Farm.NA	92.37	2.42	87.52	97.21
Wild.NA _{EO} (Sympatric EO)	89.16	2.40	84.35	93.96
Hb.EO	92.80	2.46	87.90	97.70
Farm.EO	89.13	2.47	84.21	94.06
<i>Final mass in tank environment (2017)</i>				
Wild.NA (Allopatric)	1107.35	61.88	984.14	1230.56
Wild.NA (Sympatric- I)	1032.47	62.56	907.90	1157.05
Hb _{w♀}	1158.19	62.35	1034.04	1282.33
Farm.EO (Sympatric- I)	1309.45	62.61	1184.77	1434.12
Wild.NA (Sympatric- II)	911.39	62.54	786.84	1035.93
Hb _{r♀}	1287.36	62.66	1162.58	1412.13
Farm.EO (Sympatric- II)	1326.16	62.66	1201.39	1450.94
<i>Final length in tank environment (2017)</i>				
Wild.NA (Allopatric)	4.79	0.0687	4.65	4.93
Wild.NA (Sympatric- I)	4.83	0.0693	4.69	4.96
Hb _{w♀}	4.86	0.0692	4.72	5.00
Farm.EO (Sympatric- I)	5.12	0.0694	4.98	5.26
Wild.NA (Sympatric- II)	4.69	0.0693	4.56	4.83
Hb _{r♀}	5.23	0.0694	5.10	5.37
Farm.EO (Sympatric- II)	5.13	0.0694	5.00	5.27
<i>SGRmass in tank environment (2017)</i>				
Wild.NA (Allopatric)	2.37	0.0716	2.22	2.51
Wild.NA (Sympatric- I)	2.32	0.0725	2.18	2.46
Hb _{w♀}	2.65	0.0723	2.51	2.80
Farm.EO (Sympatric- I)	2.68	0.0725	2.53	2.82
Wild.NA (Sympatric- II)	2.18	0.0724	2.04	2.32
Hb _{r♀}	2.44	0.0726	2.30	2.59
Farm.EO (Sympatric- II)	2.67	0.0726	2.53	2.82
<i>SGRlength in tank environment (2017)</i>				
Wild.NA (Allopatric)	0.65	0.0181	0.61	0.68
Wild.NA (Sympatric- I)	0.66	0.0183	0.62	0.69
Hb _{w♀}	0.67	0.0182	0.63	0.71
Farm.EO (Sympatric- I)	0.72	0.0183	0.68	0.75
Wild.NA (Sympatric- II)	0.63	0.0183	0.60	0.67
Hb _{r♀}	0.71	0.0183	0.67	0.74
Farm.EO (Sympatric- II)	0.73	0.0183	0.70	0.77

Cross types	Estimated marginal mean	±SE	Lower. CL	Upper. CL
<i>Condition in tank environment (2017)</i>				
Wild.NA (Allopatric)	1.00	0.0410	0.92	1.09
Wild.NA (Sympatric- I)	0.91	0.0415	0.83	0.99
Hb _{w♀}	1.02	0.0413	0.93	1.10
Farm.EO (Sympatric- I)	0.97	0.0415	0.88	1.05
Wild.NA (Sympatric- II)	0.87	0.0415	0.79	0.96
Hb _{r♀}	0.90	0.0415	0.81	0.98
Farm.EO (Sympatric- II)	0.98	0.0415	0.90	1.06
<i>Survival (%) in tank environment (2017)</i>				
Wild.NA (Allopatric)	89.32	5.62	78.11	100.53
Wild.NA (Sympatric- I)	95.29	5.65	84.02	106.57
Hb _{w♀}	97.21	5.64	85.94	108.47
Farm.EO (Sympatric- I)	88.93	5.65	77.65	100.21
Wild.NA (Sympatric- II)	88.06	5.65	76.78	99.34
Hb _{r♀}	92.46	5.65	81.18	103.75
Farm.EO (Sympatric- II)	77.29	5.65	66.01	88.57
<i>Final mass in stream environment (2017)</i>				
Wild.NA (Allopatric)	577.17	28.3	520.77	633.56
Wild.NA (Sympatric- I)	622.45	29.2	566.05	678.84
Hb _{w♀}	732.55	28.9	676.15	788.94
Farm.EO (Sympatric- I)	850.19	29.1	793.79	906.59
Wild.NA (Sympatric- II)	599.15	29.0	542.75	655.55
Hb _{r♀}	593.86	29.0	537.46	650.26
Farm.EO (Sympatric- II)	903.43	29.4	847.04	959.83
<i>Final length in stream environment (2017)</i>				
Wild.NA (Allopatric)	4.14	0.0535	4.03	4.24
Wild.NA (Sympatric- I)	4.16	0.0551	4.05	4.27
Hb _{w♀}	4.48	0.0546	4.37	4.59
Farm.EO (Sympatric- I)	4.72	0.0550	4.61	4.83
Wild.NA (Sympatric- II)	4.11	0.0547	4.00	4.22
Hb _{r♀}	4.17	0.0548	4.06	4.28
Farm.EO (Sympatric- II)	4.70	0.0555	4.59	4.81
<i>SGR_{mass} in stream environment (2017)</i>				
Wild.NA (Allopatric)	1.71	0.0615	1.59	1.83
Wild.NA (Sympatric- I)	1.70	0.0615	1.58	1.82
Hb _{w♀}	1.91	0.0616	1.79	2.03
Farm.EO (Sympatric- I)	2.09	0.0615	1.97	2.22
Wild.NA (Sympatric- II)	1.76	0.0616	1.64	1.88
Hb _{r♀}	1.39	0.0616	1.27	1.51
Farm.EO (Sympatric- II)	2.16	0.0613	2.04	2.28
<i>SGR_{length} in stream environment (2017)</i>				
Wild.NA (Allopatric)	0.50	0.0157	0.47	0.53
Wild.NA (Sympatric- I)	0.47	0.0162	0.44	0.50
Hb _{w♀}	0.58	0.0160	0.55	0.61
Farm.EO (Sympatric- I)	0.64	0.0161	0.61	0.67

Cross types	Estimated marginal mean	±SE	Lower. CL	Upper. CL
Wild.NA (Sympatric- II)	0.49	0.0160	0.46	0.52
Hb _{f♀}	0.39	0.0160	0.36	0.42
Farm.EO (Sympatric- II)	0.60	0.0163	0.57	0.63
<i>Condition in stream environment (2017)</i>				
Wild.NA (Allopatric)	0.80	0.0246	0.75	0.85
Wild.NA (Sympatric- I)	0.86	0.0254	0.81	0.91
Hb _{w♀}	0.82	0.0252	0.77	0.87
Farm.EO (Sympatric- I)	0.80	0.0253	0.75	0.85
Wild.NA (Sympatric- II)	0.87	0.0252	0.82	0.92
Hb _{f♀}	0.81	0.0252	0.76	0.86
Farm.EO (Sympatric- II)	0.87	0.0256	0.82	0.93
<i>Survival (%) in stream environment (2017)</i>				
Wild.NA (Allopatric)	98.56	2.04	94.49	102.63
Wild.NA (Sympatric- I)	96.74	2.11	92.54	100.94
Hb _{w♀}	91.04	2.09	86.88	95.20
Farm.EO (Sympatric- I)	94.24	2.10	90.05	98.42
Wild.NA (Sympatric- II)	94.62	2.09	90.45	98.79
Hb _{f♀}	96.01	2.09	91.84	100.18
Farm.EO (Sympatric- II)	92.34	2.12	88.11	96.56

Table S3: Tukey-adjusted pairwise contrasts of different cross types from the growth experiments (2016 and 2017) in tank and stream environments derived from the fitted final models for final mass and length, SGR_{mass} , SGR_{length} , and condition. Estimate, parameter estimate. SE, standard errors. t, t-value. Cross types in 2016: Wild.NA_{EO} = NF wild with a signal of EO ancestry; Farm.NA = NA farmed; Hb.NA = Wild.NA_{EO} x Farm.NA; Farm.EO = EO farmed; Hb.EO = Wild.NA_{EO} x Farm.EO. Cross types in 2017: Wild.NA = NF wild with no signal of EO ancestry; Farm.EO; Hb_{w♀} = Wild.NA♀ x Farm.EO♂; Hb_{f♀} = Wild.NA♂ x Farm.EO♀.

Pairwise contrasts	Estimate	±SE	t	P
<i>Final mass in tank environment (2016)</i>				
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric NA)	42.6	39	1.09	0.93
Wild.NA _{EO} (Allopatric)- Hb.NA	29.7	39.1	0.76	0.99
Wild.NA _{EO} (Allopatric)- Farm.NA	-76.4	38.9	-1.97	0.45
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric EO)	137.3	39.1	3.52	<0.05
Wild.NA _{EO} (Allopatric)- Hb.EO	16	39	0.41	0.99
Wild.NA _{EO} (Allopatric)- Farm.EO	-126.5	39.1	-3.24	<0.05
Wild.NA _{EO} (Sympatric NA)- Hb.NA	-12.9	38.7	-0.33	0.99
Wild.NA _{EO} (Sympatric NA)- Farm.NA	-119	37.3	-3.19	<0.05
Wild.NA _{EO} (Sympatric NA)- Wild.NA _{EO} (Sympatric EO)	94.7	36.9	2.57	0.16
Wild.NA _{EO} (Sympatric NA)- Hb.EO	-26.6	36.9	-0.72	0.99
Wild.NA _{EO} (Sympatric NA)- Farm.EO	-169.1	37.1	-4.56	<0.001
Hb.NA- Farm.NA	-106.1	36.2	-2.94	0.07
Hb.NA- Wild.NA _{EO} (Sympatric EO)	107.6	37.6	2.86	0.08
Hb.NA- Hb.EO	-13.7	38	-0.36	0.99
Hb.NA- Farm.EO	-156.2	38.2	-4.09	<0.01
Farm.NA- Wild.NA _{EO} (Sympatric EO)	213.8	37.9	5.64	<.0001
Farm.NA- Hb.EO	92.4	36	2.57	0.16
Farm.NA- Farm.EO	-50.1	37.4	-1.34	0.83
Wild.NA _{EO} (Sympatric EO)- Hb.EO	-121.3	37.3	-3.25	<0.05
Wild.NA _{EO} (Sympatric EO)- Farm.EO	-263.8	38.2	-6.92	<.0001
Hb.EO- Farm.EO	-142.5	37.5	-3.80	<0.01
<i>Final length in tank environment (2016)</i>				
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric NA)	0.13	0.07	1.78	0.57
Wild.NA _{EO} (Allopatric)- Hb.NA	0.14	0.07	1.93	0.47
Wild.NA _{EO} (Allopatric)- Farm.NA	-0.03	0.07	-0.41	0.99
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric EO)	0.27	0.07	3.56	<0.05
Wild.NA _{EO} (Allopatric)- Hb.EO	0.14	0.07	1.87	0.51
Wild.NA _{EO} (Allopatric)- Farm.EO	-0.01	0.07	-0.14	1.0
Wild.NA _{EO} (Sympatric NA)- Hb.NA	0.01	0.08	0.14	1.0
Wild.NA _{EO} (Sympatric NA)- Farm.NA	-0.16	0.08	-2.16	0.33
Wild.NA _{EO} (Sympatric NA)- Wild.NA _{EO} (Sympatric EO)	0.13	0.08	1.76	0.58
Wild.NA _{EO} (Sympatric NA)- Hb.EO	0.01	0.08	0.09	1.0
Wild.NA _{EO} (Sympatric NA)- Farm.EO	-0.14	0.07	-1.91	0.48
Hb.NA- Farm.NA	-0.17	0.08	-2.31	0.25
Hb.NA- Wild.NA _{EO} (Sympatric EO)	0.12	0.08	1.62	0.67
Hb.NA- Hb.EO	0.00	0.08	-0.05	1.0
Hb.NA- Farm.EO	-0.15	0.08	-2.03	0.40
Farm.NA- Wild.NA _{EO} (Sympatric EO)	0.30	0.08	3.89	<0.01

Pairwise contrasts	Estimate	±SE	t	P
Farm.NA- Hb.EO	0.17	0.08	2.26	0.28
Farm.NA- Farm.EO	0.02	0.08	0.27	1.0
Wild.NA _{EO} (Sympatric EO)- Hb.EO	-0.13	0.08	-1.66	0.64
Wild.NA _{EO} (Sympatric EO)- Farm.EO	-0.28	0.08	-3.65	<0.01
Hb.EO- Farm.EO	-0.15	0.08	-1.99	0.43
<i>SGRmass in tank environment (2016)</i>				
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric NA)	-0.05	0.0562	-0.85	0.98
Wild.NA _{EO} (Allopatric)- Hb.NA	-0.20	0.0560	-3.59	<0.05
Wild.NA _{EO} (Allopatric)- Farm.NA	-0.31	0.0563	-5.46	<.0001
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric EO)	0.04	0.0561	0.69	0.99
Wild.NA _{EO} (Allopatric)- Hb.EO	0.05	0.0563	0.87	0.98
Wild.NA _{EO} (Allopatric)- Farm.EO	-0.14	0.0561	-2.49	0.18
Wild.NA _{EO} (Sympatric NA)- Hb.NA	-0.15	0.0572	-2.68	0.12
Wild.NA _{EO} (Sympatric NA)- Farm.NA	-0.26	0.0571	-4.55	<0.001
Wild.NA _{EO} (Sympatric NA)- Wild.NA _{EO} (Sympatric EO)	0.09	0.0567	1.52	0.73
Wild.NA _{EO} (Sympatric NA)- Hb.EO	0.10	0.0567	1.70	0.62
Wild.NA _{EO} (Sympatric NA)- Farm.EO	-0.09	0.0564	-1.64	0.66
Hb.NA- Farm.NA	-0.11	0.0567	-1.88	0.50
Hb.NA- Wild.NA _{EO} (Sympatric EO)	0.24	0.0567	4.23	<0.01
Hb.NA- Hb.EO	0.25	0.0571	4.38	<0.001
Hb.NA- Farm.EO	0.06	0.0569	1.08	0.93
Farm.NA- Wild.NA _{EO} (Sympatric EO)	0.35	0.0573	6.04	<.0001
Farm.NA- Hb.EO	0.36	0.0569	6.26	<.0001
Farm.NA- Farm.EO	0.17	0.0570	2.94	0.06
Wild.NA _{EO} (Sympatric EO)- Hb.EO	0.01	0.0571	0.18	1.0
Wild.NA _{EO} (Sympatric EO)- Farm.EO	-0.18	0.0569	-3.13	<0.05
Hb.EO- Farm.EO	-0.19	0.0568	-3.32	<0.05
<i>SGRlength in tank environment (2016)</i>				
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric NA)	0.02	0.0206	0.81	0.98
Wild.NA _{EO} (Allopatric)- Hb.NA	-0.04	0.0205	-1.77	0.57
Wild.NA _{EO} (Allopatric)- Farm.NA	-0.07	0.0206	-3.39	<0.05
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric EO)	0.01	0.0206	0.68	0.99
Wild.NA _{EO} (Allopatric)- Hb.EO	0.04	0.0206	2.06	0.39
Wild.NA _{EO} (Allopatric)- Farm.EO	-0.05	0.0206	-2.49	0.18
Wild.NA _{EO} (Sympatric NA)- Hb.NA	-0.05	0.0209	-2.53	0.16
Wild.NA _{EO} (Sympatric NA)- Farm.NA	-0.09	0.0209	-4.14	<0.01
Wild.NA _{EO} (Sympatric NA)- Wild.NA _{EO} (Sympatric EO)	0.00	0.0208	-0.13	1.0
Wild.NA _{EO} (Sympatric NA)- Hb.EO	0.03	0.0208	1.24	0.88
Wild.NA _{EO} (Sympatric NA)- Farm.EO	-0.07	0.0207	-3.29	<0.05
Hb.NA- Farm.NA	-0.03	0.0208	-1.62	0.67
Hb.NA- Wild.NA _{EO} (Sympatric EO)	0.05	0.0208	2.43	0.20
Hb.NA- Hb.EO	0.08	0.0209	3.77	<0.01
Hb.NA- Farm.EO	-0.01	0.0209	-0.71	0.99
Farm.NA- Wild.NA _{EO} (Sympatric EO)	0.08	0.0210	4.01	<0.01
Farm.NA- Hb.EO	0.11	0.0209	5.39	<.0001
Farm.NA- Farm.EO	0.02	0.0209	0.90	0.97

Pairwise contrasts	Estimate	±SE	t	P
Wild.NA _{EO} (Sympatric EO)- Hb.EO	0.03	0.0209	1.36	0.82
Wild.NA _{EO} (Sympatric EO)- Farm.EO	-0.07	0.0209	-3.13	<0.05
Hb.EO- Farm.EO	-0.09	0.0208	-4.50	<0.001
<i>Condition in tank environment (2016)</i>				
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric NA)	-0.04	0.0233	-1.57	0.70
Wild.NA _{EO} (Allopatric)- Hb.NA	-0.05	0.0232	-2.34	0.24
Wild.NA _{EO} (Allopatric)- Farm.NA	-0.06	0.0234	-2.60	0.14
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric EO)	0.00	0.0233	0.10	1.0
Wild.NA _{EO} (Allopatric)- Hb.EO	-0.05	0.0234	-2.18	0.32
Wild.NA _{EO} (Allopatric)- Farm.EO	-0.12	0.0233	-5.01	<0.0001
Wild.NA _{EO} (Sympatric NA)- Hb.NA	-0.02	0.0237	-0.77	0.99
Wild.NA _{EO} (Sympatric NA)- Farm.NA	-0.02	0.0237	-1.03	0.95
Wild.NA _{EO} (Sympatric NA)- Wild.NA _{EO} (Sympatric EO)	0.04	0.0236	1.67	0.64
Wild.NA _{EO} (Sympatric NA)- Hb.EO	-0.01	0.0235	-0.61	0.99
Wild.NA _{EO} (Sympatric NA)- Farm.EO	-0.08	0.0234	-3.44	<0.05
Hb.NA- Farm.NA	-0.01	0.0235	-0.26	1.0
Hb.NA- Wild.NA _{EO} (Sympatric EO)	0.06	0.0235	2.44	0.20
Hb.NA- Hb.EO	0.00	0.0237	0.16	1.0
Hb.NA- Farm.EO	-0.06	0.0236	-2.67	0.12
Farm.NA- Wild.NA _{EO} (Sympatric EO)	0.06	0.0238	2.70	0.11
Farm.NA- Hb.EO	0.01	0.0236	0.42	0.99
Farm.NA- Farm.EO	-0.06	0.0237	-2.41	0.21
Wild.NA _{EO} (Sympatric EO)- Hb.EO	-0.05	0.0237	-2.28	0.27
Wild.NA _{EO} (Sympatric EO)- Farm.EO	-0.12	0.0236	-5.11	<0.0001
Hb.EO- Farm.EO	-0.07	0.0236	-2.83	0.08
<i>Final mass in stream environment (2016)</i>				
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric NA)	-109.07	31.0	-3.59	<0.05
Wild.NA _{EO} (Allopatric)- Hb.NA	60.08	30.8	1.98	0.44
Wild.NA _{EO} (Allopatric)- Farm.NA	10.77	30.9	0.36	0.99
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric EO)	54.37	31.0	1.79	0.56
Wild.NA _{EO} (Allopatric)- Hb.EO	-80.15	30.8	-2.64	0.13
Wild.NA _{EO} (Allopatric)- Farm.EO	-96.00	30.7	-3.16	<0.05
Wild.NA _{EO} (Sympatric NA)- Hb.NA	169.15	31.6	5.57	<.0001
Wild.NA _{EO} (Sympatric NA)- Farm.NA	119.84	31.2	3.95	<0.01
Wild.NA _{EO} (Sympatric NA)- Wild.NA _{EO} (Sympatric EO)	163.44	31.2	5.38	<.0001
Wild.NA _{EO} (Sympatric NA)- Hb.EO	28.93	31.1	0.95	0.96
Wild.NA _{EO} (Sympatric NA)- Farm.EO	13.07	31.3	0.43	0.99
Hb.NA- Farm.NA	-49.31	31.2	-1.62	0.66
Hb.NA- Wild.NA _{EO} (Sympatric EO)	-5.71	31.5	-0.19	1.0
Hb.NA- Hb.EO	-140.22	31.3	-4.62	<0.001
Hb.NA- Farm.EO	-156.08	31.3	-5.14	<0.0001
Farm.NA- Wild.NA _{EO} (Sympatric EO)	43.60	31.2	1.44	0.78
Farm.NA- Hb.EO	-90.92	31.4	-3.00	0.06
Farm.NA- Farm.EO	-106.77	31.3	-3.52	<0.05
Wild.NA _{EO} (Sympatric EO)- Hb.EO	-134.52	31.3	-4.43	<0.001
Wild.NA _{EO} (Sympatric EO)- Farm.EO	-150.37	31.1	-4.95	<0.0001

Pairwise contrasts	Estimate	±SE	t	P
Hb.EO- Farm.EO	-15.85	31.1	-0.52	0.99
<i>Final length in stream environment (2016)</i>				
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric NA)	-0.22	0.0748	-3.24	<0.05
Wild.NA _{EO} (Allopatric)- Hb.NA	0.25	0.0745	3.62	<0.001
Wild.NA _{EO} (Allopatric)- Farm.NA	0.12	0.0749	1.78	0.57
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric EO)	0.15	0.0747	2.14	0.34
Wild.NA _{EO} (Allopatric)- Hb.EO	-0.14	0.0749	-2.05	0.40
Wild.NA _{EO} (Allopatric)- Farm.EO	-0.12	0.0747	-1.80	0.56
Wild.NA _{EO} (Sympatric NA)- Hb.NA	0.47	0.0760	6.86	<0.0001
Wild.NA _{EO} (Sympatric NA)- Farm.NA	0.34	0.0759	5.02	<0.0001
Wild.NA _{EO} (Sympatric NA)- Wild.NA _{EO} (Sympatric EO)	0.37	0.0754	5.38	<0.0001
Wild.NA _{EO} (Sympatric NA)- Hb.EO	0.08	0.0753	1.19	0.89
Wild.NA _{EO} (Sympatric NA)- Farm.EO	0.10	0.0749	1.45	0.78
Hb.NA- Farm.NA	-0.13	0.0753	-1.84	0.53
Hb.NA- Wild.NA _{EO} (Sympatric EO)	-0.10	0.0753	-1.48	0.76
Hb.NA- Hb.EO	-0.39	0.0759	-5.66	<0.0001
Hb.NA- Farm.EO	-0.37	0.0757	-5.41	<0.0001
Farm.NA- Wild.NA _{EO} (Sympatric EO)	0.02	0.0761	0.37	0.99
Farm.NA- Hb.EO	-0.26	0.0756	-3.82	<0.001
Farm.NA- Farm.EO	-0.24	0.0758	-3.57	<0.05
Wild.NA _{EO} (Sympatric EO)- Hb.EO	-0.29	0.0759	-4.19	<0.01
Wild.NA _{EO} (Sympatric EO)- Farm.EO	-0.27	0.0757	-3.94	<0.001
Hb.EO- Farm.EO	0.02	0.0755	0.25	1.0
<i>SGR_{mass} in stream environment (2016)</i>				
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric NA)	-0.26	0.0678	-4.00	<0.001
Wild.NA _{EO} (Allopatric)- Hb.NA	-0.01	0.0676	-0.11	1.0
Wild.NA _{EO} (Allopatric)- Farm.NA	-0.12	0.0676	-1.77	0.57
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric EO)	0.11	0.0677	1.71	0.61
Wild.NA _{EO} (Allopatric)- Hb.EO	-0.02	0.0674	-0.37	0.99
Wild.NA _{EO} (Allopatric)- Farm.EO	-0.20	0.0674	-2.97	0.06
Wild.NA _{EO} (Sympatric NA)- Hb.NA	0.26	0.0680	3.89	<0.001
Wild.NA _{EO} (Sympatric NA)- Farm.NA	0.15	0.0664	2.24	0.29
Wild.NA _{EO} (Sympatric NA)- Wild.NA _{EO} (Sympatric EO)	0.38	0.0664	5.71	<0.0001
Wild.NA _{EO} (Sympatric NA)- Hb.EO	0.24	0.0667	3.63	<0.001
Wild.NA _{EO} (Sympatric NA)- Farm.EO	0.07	0.0677	1.03	0.94
Hb.NA- Farm.NA	-0.11	0.0672	-1.66	0.64
Hb.NA- Wild.NA _{EO} (Sympatric EO)	0.12	0.0679	1.82	0.54
Hb.NA- Hb.EO	-0.02	0.0676	-0.26	1.0
Hb.NA- Farm.EO	-0.19	0.0680	-2.86	0.08
Farm.NA- Wild.NA _{EO} (Sympatric EO)	0.23	0.0668	3.48	<0.05
Farm.NA- Hb.EO	0.09	0.0682	1.40	0.80
Farm.NA- Farm.EO	-0.08	0.0680	-1.20	0.89
Wild.NA _{EO} (Sympatric EO)- Hb.EO	-0.14	0.0677	-2.08	0.38
Wild.NA _{EO} (Sympatric EO)- Farm.EO	-0.31	0.0670	-4.68	<0.0001
Hb.EO- Farm.EO	-0.17	0.0677	-2.60	0.14
<i>SGR_{length} in stream environment (2016)</i>				

Pairwise contrasts	Estimate	±SE	t	P
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric NA)	-0.07	0.0240	-3.09	<0.05
Wild.NA _{EO} (Allopatric)- Hb.NA	-0.02	0.0238	-1.06	0.94
Wild.NA _{EO} (Allopatric)- Farm.NA	-0.04	0.0239	-1.71	0.61
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric EO)	0.06	0.0239	2.54	0.16
Wild.NA _{EO} (Allopatric)- Hb.EO	0.00	0.0238	0.13	1.0
Wild.NA _{EO} (Allopatric)- Farm.EO	-0.04	0.0237	-1.68	0.63
Wild.NA _{EO} (Sympatric NA)- Hb.NA	0.05	0.0245	2.03	0.41
Wild.NA _{EO} (Sympatric NA)- Farm.NA	0.03	0.0242	1.38	0.8
Wild.NA _{EO} (Sympatric NA)- Wild.NA _{EO} (Sympatric EO)	0.13	0.0243	5.63	<0.0001
Wild.NA _{EO} (Sympatric NA)- Hb.EO	0.08	0.0241	3.21	<0.05
Wild.NA _{EO} (Sympatric NA)- Farm.EO	0.03	0.0242	1.40	0.80
Hb.NA- Farm.NA	-0.02	0.0242	-0.65	0.99
Hb.NA- Wild.NA _{EO} (Sympatric EO)	0.08	0.0244	3.60	<0.05
Hb.NA- Hb.EO	0.03	0.0242	1.19	0.90
Hb.NA- Farm.EO	-0.01	0.0242	-0.62	0.99
Farm.NA- Wild.NA _{EO} (Sympatric EO)	0.10	0.0242	4.25	<0.01
Farm.NA- Hb.EO	0.04	0.0243	1.83	0.53
Farm.NA- Farm.EO	0.00	0.0242	0.02	1.0
Wild.NA _{EO} (Sympatric EO)- Hb.EO	-0.06	0.0242	-2.41	0.21
Wild.NA _{EO} (Sympatric EO)- Farm.EO	-0.10	0.0241	-4.22	<0.01
Hb.EO- Farm.EO	-0.04	0.0240	-1.81	0.55
<i>Condition in stream environment (2016)</i>				
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric NA)	-0.03	0.0216	-1.56	0.71
Wild.NA _{EO} (Allopatric)- Hb.NA	-0.04	0.0215	-1.80	0.55
Wild.NA _{EO} (Allopatric)- Farm.NA	-0.05	0.0216	-2.27	0.28
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric EO)	0.01	0.0216	0.60	0.99
Wild.NA _{EO} (Allopatric)- Hb.EO	-0.03	0.0215	-1.44	0.78
Wild.NA _{EO} (Allopatric)- Farm.EO	-0.07	0.0215	-3.41	<0.05
Wild.NA _{EO} (Sympatric NA)- Hb.NA	-0.01	0.0219	-0.25	1.0
Wild.NA _{EO} (Sympatric NA)- Farm.NA	-0.02	0.0215	-0.71	0.99
Wild.NA _{EO} (Sympatric NA)- Wild.NA _{EO} (Sympatric EO)	0.05	0.0215	2.16	0.33
Wild.NA _{EO} (Sympatric NA)- Hb.EO	0.00	0.0215	0.12	1.0
Wild.NA _{EO} (Sympatric NA)- Farm.EO	-0.04	0.0217	-1.86	0.51
Hb.NA- Farm.NA	-0.01	0.0216	-0.47	0.99
Hb.NA- Wild.NA _{EO} (Sympatric EO)	0.05	0.0218	2.40	0.21
Hb.NA- Hb.EO	0.01	0.0217	0.36	0.99
Hb.NA- Farm.EO	-0.03	0.0218	-1.62	0.67
Farm.NA- Wild.NA _{EO} (Sympatric EO)	0.06	0.0216	2.87	0.07
Farm.NA- Hb.EO	0.02	0.0218	0.83	0.98
Farm.NA- Farm.EO	-0.02	0.0218	-1.15	0.91
Wild.NA _{EO} (Sympatric EO)- Hb.EO	-0.04	0.0217	-2.04	0.40
Wild.NA _{EO} (Sympatric EO)- Farm.EO	-0.09	0.0215	-4.02	<0.001
Hb.EO- Farm.EO	-0.04	0.0217	-1.97	0.44
<i>Final mass in tank environment (2017)</i>				
Wild.NA (Allopatric)- Wild.NA (Sympatric- I)	74.90	88.10	0.85	0.98
Wild.NA (Allopatric)- Hb _w ♀	-50.80	87.90	-0.58	0.99

Pairwise contrasts	Estimate	±SE	t	P
Wild.NA (Allopatric)- Farm.EO (Sympatric- I)	-202.10	88.10	-2.29	0.26
Wild.NA (Allopatric)- Wild.NA (Sympatric- II)	196.00	87.60	2.24	0.29
Wild.NA (Allopatric)- Hb _{f♀}	-180.00	87.70	-2.05	0.39
Wild.NA (Allopatric)- Farm.EO (Sympatric- II)	-218.80	87.90	-2.49	0.18
Wild.NA (Sympatric- I)- Hb _{w♀}	-125.70	88.20	-1.43	0.79
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- I)	-277.00	88.30	-3.14	<0.05
Wild.NA (Sympatric- I)- Wild.NA (Sympatric- II)	121.10	88.70	1.37	0.82
Wild.NA (Sympatric- I)- Hb _{f♀}	-254.90	88.50	-2.88	0.08
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- II)	-293.70	88.60	-3.31	<0.05
Hb _{w♀} - Farm.EO (Sympatric- I)	-151.30	88.10	-1.72	0.61
Hb _{w♀} - Wild.NA (Sympatric- II)	246.80	88.40	2.79	0.09
Hb _{w♀} - Hb _{f♀}	-129.20	88.70	-1.46	0.77
Hb _{w♀} - Farm.EO (Sympatric- II)	-168.00	88.70	-1.89	0.49
Farm.EO (Sympatric- I)- Wild.NA (Sympatric-II)	398.10	88.90	4.48	<0.0001
Farm.EO (Sympatric- I)- Hb _{f♀}	22.10	88.70	0.25	1.0
Farm.EO (Sympatric- I)- Farm.EO (Sympatric- II)	-16.70	88.50	-0.19	1.0
Wild.NA (Sympatric- II)- Hb _{f♀}	-376.00	88.40	-4.26	<0.01
Wild.NA (Sympatric- II)- Farm.EO (Sympatric- II)	-414.80	88.30	-4.70	<0.001
Hb _{f♀} - Farm.EO (Sympatric- II)	-38.80	87.70	-0.44	0.99
<i>Final length in tank environment (2017)</i>				
Wild.NA (Allopatric)- Wild.NA (Sympatric- I)	-0.04	0.10	-0.37	0.99
Wild.NA (Allopatric)- Hb _{w♀}	-0.07	0.10	-0.75	0.99
Wild.NA (Allopatric)- Farm.EO (Sympatric- I)	-0.33	0.10	-3.45	<0.05
Wild.NA (Allopatric)- Wild.NA (Sympatric- II)	0.10	0.09	1.02	0.95
Wild.NA (Allopatric)- Hb _{f♀}	-0.44	0.09	-4.69	<0.0001
Wild.NA (Allopatric)- Farm.EO (Sympatric- II)	-0.34	0.10	-3.61	<0.05
Wild.NA (Sympatric- I)- Hb _{w♀}	-0.04	0.09	-0.38	0.99
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- I)	-0.30	0.09	-3.14	<0.05
Wild.NA (Sympatric- I)- Wild.NA (Sympatric- II)	0.13	0.10	1.38	0.81
Wild.NA (Sympatric- I)- Hb _{f♀}	-0.41	0.10	-4.27	<0.01
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- II)	-0.31	0.10	-3.22	<0.05
Hb _{w♀} - Farm.EO (Sympatric- I)	-0.26	0.09	-2.76	0.10
Hb _{w♀} - Wild.NA (Sympatric- II)	0.17	0.10	1.76	0.58
Hb _{w♀} - Hb _{f♀}	-0.37	0.10	-3.87	<0.001
Hb _{w♀} - Farm.EO (Sympatric- II)	-0.27	0.10	-2.83	0.09
Farm.EO (Sympatric- I)- Wild.NA (Sympatric-II)	0.43	0.10	4.42	<0.0001
Farm.EO (Sympatric- I)- Hb _{f♀}	-0.11	0.10	-1.19	0.90
Farm.EO (Sympatric- I)- Farm.EO (Sympatric- II)	-0.01	0.10	-0.14	1.0
Wild.NA (Sympatric- II)- Hb _{f♀}	-0.54	0.10	-5.68	<0.0001
Wild.NA (Sympatric- II)- Farm.EO (Sympatric- II)	-0.44	0.10	-4.62	<0.0001
Hb _{f♀} - Farm.EO (Sympatric- II)	0.10	0.09	1.08	0.93
<i>SGR_{mass} in tank environment (2017)</i>				
Wild.NA (Allopatric)- Wild.NA (Sympatric- I)	0.05	0.1009	0.47	0.99
Wild.NA (Allopatric)- Hb _{w♀}	-0.28	0.1007	-2.82	0.08
Wild.NA (Allopatric)- Farm.EO (Sympatric- I)	-0.31	0.1009	-3.06	<0.05
Wild.NA (Allopatric)- Wild.NA (Sympatric- II)	0.19	0.1001	1.87	0.50

Pairwise contrasts	Estimate	±SE	t	P
Wild.NA (Allopatric)- Hb _{f♀}	-0.07	0.1002	-0.75	0.99
Wild.NA (Allopatric)- Farm.EO (Sympatric- II)	-0.30	0.1006	-3.01	0.05
Wild.NA (Sympatric- I)- Hb _{w♀}	-0.33	0.1006	-3.30	<0.05
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- I)	-0.36	0.1005	-3.55	<0.05
Wild.NA (Sympatric- I)- Wild.NA (Sympatric- II)	0.14	0.1014	1.38	0.81
Wild.NA (Sympatric- I)- Hb _{f♀}	-0.12	0.1013	-1.21	0.89
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- II)	-0.35	0.1014	-3.46	<0.05
Hb _{w♀} - Farm.EO (Sympatric- I)	-0.02	0.1003	-0.25	1.0
Hb _{w♀} - Wild.NA (Sympatric- II)	0.47	0.1009	4.68	<0.0001
Hb _{w♀} - Hb _{f♀}	0.21	0.1016	2.06	0.39
Hb _{w♀} - Farm.EO (Sympatric- II)	-0.02	0.1017	-0.19	1.0
Farm.EO (Sympatric- I)- Wild.NA (Sympatric-II)	0.50	0.1019	4.88	<0.0001
Farm.EO (Sympatric- I)- Hb _{f♀}	0.23	0.1014	2.31	0.25
Farm.EO (Sympatric- I)- Farm.EO (Sympatric- II)	0.01	0.1011	0.06	1.0
Wild.NA (Sympatric- II)- Hb _{f♀}	-0.26	0.1010	-2.60	0.14
Wild.NA (Sympatric- II)- Farm.EO (Sympatric- II)	-0.49	0.1009	-4.86	<0.0001
Hb _{f♀} - Farm.EO (Sympatric- II)	-0.23	0.0995	-2.30	0.27
<i>SGRlength in tank environment (2017)</i>				
Wild.NA (Allopatric)- Wild.NA (Sympatric- I)	-0.01	0.0246	-0.30	0.99
Wild.NA (Allopatric)- Hb _{w♀}	-0.02	0.0246	-0.89	0.97
Wild.NA (Allopatric)- Farm.EO (Sympatric- I)	-0.07	0.0246	-2.73	0.11
Wild.NA (Allopatric)- Wild.NA (Sympatric- II)	0.02	0.0244	0.69	0.99
Wild.NA (Allopatric)- Hb _{f♀}	-0.06	0.0244	-2.37	0.23
Wild.NA (Allopatric)- Farm.EO (Sympatric- II)	-0.09	0.0245	-3.48	<0.05
Wild.NA (Sympatric- I)- Hb _{w♀}	-0.01	0.0244	-0.59	0.99
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- I)	-0.06	0.0243	-2.46	0.19
Wild.NA (Sympatric- I)- Wild.NA (Sympatric- II)	0.02	0.0247	0.98	0.96
Wild.NA (Sympatric- I)- Hb _{f♀}	-0.05	0.0247	-2.04	0.40
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- II)	-0.08	0.0247	-3.16	<0.05
Hb _{w♀} - Farm.EO (Sympatric- I)	-0.05	0.0243	-1.87	0.51
Hb _{w♀} - Wild.NA (Sympatric- II)	0.04	0.0245	1.57	0.70
Hb _{w♀} - Hb _{f♀}	-0.04	0.0248	-1.45	0.77
Hb _{w♀} - Farm.EO (Sympatric- II)	-0.06	0.0248	-2.57	0.15
Farm.EO (Sympatric- I)- Wild.NA (Sympatric-II)	0.08	0.0249	3.38	<0.05
Farm.EO (Sympatric- I)- Hb _{f♀}	0.01	0.0247	0.38	0.99
Farm.EO (Sympatric- I)- Farm.EO (Sympatric- II)	-0.02	0.0246	-0.74	0.98
Wild.NA (Sympatric- II)- Hb _{f♀}	-0.07	0.0246	-3.04	<0.05
Wild.NA (Sympatric- II)- Farm.EO (Sympatric- II)	-0.10	0.0245	-4.16	<0.01
Hb _{f♀} - Farm.EO (Sympatric- II)	-0.03	0.0240	-1.15	0.91
<i>Condition in tank environment (2017)</i>				
Wild.NA (Allopatric)- Wild.NA (Sympatric- I)	0.09	0.0584	1.59	0.69
Wild.NA (Allopatric)- Hb _{w♀}	-0.01	0.0583	-0.21	1.0
Wild.NA (Allopatric)- Farm.EO (Sympatric- I)	0.04	0.0584	0.65	0.99
Wild.NA (Allopatric)- Wild.NA (Sympatric- II)	0.13	0.0580	2.26	0.28
Wild.NA (Allopatric)- Hb _{f♀}	0.11	0.0582	1.83	0.53
Wild.NA (Allopatric)- Farm.EO (Sympatric- II)	0.02	0.0583	0.37	0.99

Pairwise contrasts	Estimate	±SE	t	P
Wild.NA (Sympatric- I)- Hb _{w♀}	-0.11	0.0585	-1.80	0.55
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- I)	-0.06	0.0585	-0.94	0.96
Wild.NA (Sympatric- I)- Wild.NA (Sympatric- II)	0.04	0.0588	0.65	0.99
Wild.NA (Sympatric- I)- Hb _{r♀}	0.01	0.0587	0.23	1.0
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- II)	-0.07	0.0588	-1.21	0.88
Hb _{w♀} - Farm.EO (Sympatric- I)	0.05	0.0584	0.86	0.97
Hb _{w♀} - Wild.NA (Sympatric- II)	0.14	0.0586	2.45	0.19
Hb _{w♀} - Hb _{r♀}	0.12	0.0588	2.02	0.41
Hb _{w♀} - Farm.EO (Sympatric- II)	0.03	0.0588	0.58	0.99
Farm.EO (Sympatric- I)- Wild.NA (Sympatric-II)	0.09	0.0589	1.58	0.69
Farm.EO (Sympatric- I)- Hb _{r♀}	0.07	0.0588	1.17	0.90
Farm.EO (Sympatric- I)- Farm.EO (Sympatric- II)	-0.02	0.0587	-0.28	1.0
Wild.NA (Sympatric- II)- Hb _{r♀}	-0.02	0.0586	-0.42	0.99
Wild.NA (Sympatric- II)- Farm.EO (Sympatric- II)	-0.11	0.0586	-1.87	0.51
Hb _{r♀} - Farm.EO (Sympatric- II)	-0.09	0.0581	-1.46	0.76
<i>Final mass in stream environment (2017)</i>				
Wild.NA (Allopatric)- Wild.NA (Sympatric- I)	-45.28	38.9	-1.18	0.90
Wild.NA (Allopatric)- Hb _{w♀}	-155.38	38.7	-4.06	<0.001
Wild.NA (Allopatric)- Farm.EO (Sympatric- I)	-273.02	38.9	-7.13	<0.0001
Wild.NA (Allopatric)- Wild.NA (Sympatric- II)	-21.98	38.8	-0.57	0.99
Wild.NA (Allopatric)- Hb _{r♀}	-16.69	38.8	-0.44	0.99
Wild.NA (Allopatric)- Farm.EO (Sympatric- II)	-326.27	39.1	-8.52	<0.0001
Wild.NA (Sympatric- I)- Hb _{w♀}	-110.10	39.3	-2.88	0.08
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- I)	-227.74	39.4	-5.95	<0.0001
Wild.NA (Sympatric- I)- Wild.NA (Sympatric- II)	23.30	39.4	0.61	0.99
Wild.NA (Sympatric- I)- Hb _{r♀}	28.59	39.8	0.75	0.99
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- II)	-280.99	39.6	-7.34	<0.0001
Hb _{w♀} - Farm.EO (Sympatric- I)	-117.64	39.3	-3.07	<0.05
Hb _{w♀} - Wild.NA (Sympatric- II)	133.40	39.4	3.48	<0.05
Hb _{w♀} - Hb _{r♀}	138.69	39.2	3.62	<0.001
Hb _{w♀} - Farm.EO (Sympatric- II)	-170.89	39.6	-4.46	<0.0001
Farm.EO (Sympatric- I)- Wild.NA (Sympatric-II)	251.04	39.5	6.56	<0.0001
Farm.EO (Sympatric- I)- Hb _{r♀}	256.33	39.5	6.69	<0.0001
Farm.EO (Sympatric- I)- Farm.EO (Sympatric- II)	-53.25	39.8	-1.39	0.81
Wild.NA (Sympatric- II)- Hb _{r♀}	5.29	39.5	0.14	1.0
Wild.NA (Sympatric- II)- Farm.EO (Sympatric- II)	-304.29	39.6	-7.95	<0.0001
Hb _{r♀} - Farm.EO (Sympatric- II)	-309.57	39.5	-8.08	<0.0001
<i>Final length in stream environment (2017)</i>				
Wild.NA (Allopatric)- Wild.NA (Sympatric- I)	-0.03	0.0716	-0.36	0.99
Wild.NA (Allopatric)- Hb _{w♀}	-0.34	0.0712	-4.84	<0.0001
Wild.NA (Allopatric)- Farm.EO (Sympatric- I)	-0.58	0.0715	-8.23	<0.0001
Wild.NA (Allopatric)- Wild.NA (Sympatric- II)	0.03	0.0713	0.39	0.99
Wild.NA (Allopatric)- Hb _{r♀}	-0.03	0.0713	-0.47	0.99
Wild.NA (Allopatric)- Farm.EO (Sympatric- II)	-0.56	0.0719	-7.95	<0.0001
Wild.NA (Sympatric- I)- Hb _{w♀}	-0.31	0.0723	-4.47	<0.0001
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- I)	-0.55	0.0725	-7.87	<0.0001

Pairwise contrasts	Estimate	±SE	t	P
Wild.NA (Sympatric- I)- Wild.NA (Sympatric- II)	0.05	0.0725	0.76	0.99
Wild.NA (Sympatric- I)- Hb _{f♀}	-0.01	0.0732	-0.11	1.0
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- II)	-0.53	0.0729	-7.59	<0.0001
Hb _{w♀} - Farm.EO (Sympatric- I)	-0.24	0.0722	-3.39	<0.05
Hb _{w♀} - Wild.NA (Sympatric- II)	0.37	0.0725	5.23	<0.0001
Hb _{w♀} - Hb _{f♀}	0.31	0.0721	4.37	<0.0001
Hb _{w♀} - Farm.EO (Sympatric- II)	-0.22	0.0728	-3.11	<0.05
Farm.EO (Sympatric- I)- Wild.NA (Sympatric-II)	0.61	0.0727	8.62	<0.0001
Farm.EO (Sympatric- I)- Hb _{f♀}	0.55	0.0727	7.76	<0.0001
Farm.EO (Sympatric- I)- Farm.EO (Sympatric- II)	0.02	0.0732	0.28	1.0
Wild.NA (Sympatric- II)- Hb _{f♀}	-0.06	0.0727	-0.86	0.98
Wild.NA (Sympatric- II)- Farm.EO (Sympatric- II)	-0.59	0.0729	-8.34	<0.0001
Hb _{f♀} - Farm.EO (Sympatric- II)	-0.53	0.0727	-7.48	<0.0001
<i>SGRmass in stream environment (2017)</i>				
Wild.NA (Allopatric)- Wild.NA (Sympatric- I)	0.01	0.09	0.14	1.0
Wild.NA (Allopatric)- Hb _{w♀}	-0.20	0.09	-2.31	0.25
Wild.NA (Allopatric)- Farm.EO (Sympatric- I)	-0.38	0.09	-4.41	<0.0001
Wild.NA (Allopatric)- Wild.NA (Sympatric- II)	-0.05	0.09	-0.59	0.99
Wild.NA (Allopatric)- Hb _{f♀}	0.32	0.09	3.66	<0.001
Wild.NA (Allopatric)- Farm.EO (Sympatric- II)	-0.45	0.09	-5.17	<0.0001
Wild.NA (Sympatric- I)- Hb _{w♀}	-0.21	0.08	-2.54	0.16
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- I)	-0.40	0.09	-4.66	<0.0001
Wild.NA (Sympatric- I)- Wild.NA (Sympatric- II)	-0.06	0.08	-0.76	0.99
Wild.NA (Sympatric- I)- Hb _{f♀}	0.31	0.09	3.52	<0.05
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- II)	-0.46	0.08	-5.51	<0.0001
Hb _{w♀} - Farm.EO (Sympatric- I)	-0.18	0.09	-2.15	0.34
Hb _{w♀} - Wild.NA (Sympatric- II)	0.15	0.09	1.72	0.61
Hb _{w♀} - Hb _{f♀}	0.52	0.09	6.02	<0.0001
Hb _{w♀} - Farm.EO (Sympatric- II)	-0.25	0.09	-2.88	0.08
Farm.EO (Sympatric- I)- Wild.NA (Sympatric-II)	0.33	0.09	3.87	<0.001
Farm.EO (Sympatric- I)- Hb _{f♀}	0.70	0.08	8.26	<0.0001
Farm.EO (Sympatric- I)- Farm.EO (Sympatric- II)	-0.06	0.08	-0.76	0.99
Wild.NA (Sympatric- II)- Hb _{f♀}	0.37	0.09	4.29	<0.01
Wild.NA (Sympatric- II)- Farm.EO (Sympatric- II)	-0.40	0.08	-4.75	<0.0001
Hb _{f♀} - Farm.EO (Sympatric- II)	-0.77	0.08	-9.43	<0.0001
<i>SGRlength in stream environment (2017)</i>				
Wild.NA (Allopatric)- Wild.NA (Sympatric- I)	0.04	0.0212	1.68	0.63
Wild.NA (Allopatric)- Hb _{w♀}	-0.08	0.0211	-3.83	<0.001
Wild.NA (Allopatric)- Farm.EO (Sympatric- I)	-0.14	0.0212	-6.53	<0.0001
Wild.NA (Allopatric)- Wild.NA (Sympatric- II)	0.01	0.0211	0.48	0.99
Wild.NA (Allopatric)- Hb _{f♀}	0.11	0.0211	5.25	<0.0001
Wild.NA (Allopatric)- Farm.EO (Sympatric- II)	-0.10	0.0213	-4.59	<0.0001
Wild.NA (Sympatric- I)- Hb _{w♀}	-0.12	0.0214	-5.51	<0.0001
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- I)	-0.17	0.0215	-8.21	<0.0001
Wild.NA (Sympatric- I)- Wild.NA (Sympatric- II)	-0.03	0.0215	-1.20	0.89
Wild.NA (Sympatric- I)- Hb _{f♀}	0.07	0.0217	3.56	<0.05

Pairwise contrasts	Estimate	±SE	t	P
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- II)	-0.13	0.0216	-6.27	<0.0001
Hb _{w♀} - Farm.EO (Sympatric- I)	-0.06	0.0214	-2.70	0.11
Hb _{w♀} - Wild.NA (Sympatric- II)	0.09	0.0215	4.31	<0.001
Hb _{w♀} - Hb _{f♀}	0.19	0.0214	9.07	<0.0001
Hb _{w♀} - Farm.EO (Sympatric- II)	-0.02	0.0216	-0.76	0.99
Farm.EO (Sympatric- I)- Wild.NA (Sympatric-II)	0.15	0.0216	7.01	<0.0001
Farm.EO (Sympatric- I)- Hb _{f♀}	0.25	0.0215	11.78	<0.0001
Farm.EO (Sympatric- I)- Farm.EO (Sympatric- II)	0.04	0.0217	1.94	0.46
Wild.NA (Sympatric- II)- Hb _{f♀}	0.10	0.0215	4.76	<0.0001
Wild.NA (Sympatric- II)- Farm.EO (Sympatric- II)	-0.11	0.0216	-5.07	<0.0001
Hb _{f♀} - Farm.EO (Sympatric- II)	-0.21	0.0215	-9.83	<0.0001
<i>Condition in stream environment (2017)</i>				
Wild.NA (Allopatric)- Wild.NA (Sympatric- I)	-0.05	0.0348	-1.61	0.68
Wild.NA (Allopatric)- Hb _{w♀}	-0.02	0.0346	-0.62	0.99
Wild.NA (Allopatric)- Farm.EO (Sympatric- I)	0.00	0.0347	0.09	1.0
Wild.NA (Allopatric)- Wild.NA (Sympatric- II)	-0.07	0.0346	-1.93	0.47
Wild.NA (Allopatric)- Hb _{f♀}	-0.01	0.0346	-0.31	0.99
Wild.NA (Allopatric)- Farm.EO (Sympatric- II)	-0.07	0.0349	-2.09	0.37
Wild.NA (Sympatric- I)- Hb _{w♀}	0.03	0.0351	0.99	0.95
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- I)	0.06	0.0352	1.69	0.62
Wild.NA (Sympatric- I)- Wild.NA (Sympatric- II)	-0.01	0.0352	-0.32	0.99
Wild.NA (Sympatric- I)- Hb _{f♀}	0.04	0.0355	1.30	0.85
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- II)	-0.02	0.0353	-0.48	0.99
Hb _{w♀} - Farm.EO (Sympatric- I)	0.02	0.0351	0.70	0.99
Hb _{w♀} - Wild.NA (Sympatric- II)	-0.04	0.0352	-1.31	0.84
Hb _{w♀} - Hb _{f♀}	0.01	0.0350	0.31	0.99
Hb _{w♀} - Farm.EO (Sympatric- II)	-0.05	0.0353	-1.47	0.76
Farm.EO (Sympatric- I)- Wild.NA (Sympatric-II)	-0.07	0.0353	-2.01	0.42
Farm.EO (Sympatric- I)- Hb _{f♀}	-0.01	0.0353	-0.39	0.99
Farm.EO (Sympatric- I)- Farm.EO (Sympatric- II)	-0.07	0.0355	-2.17	0.32
Wild.NA (Sympatric- II)- Hb _{f♀}	0.06	0.0352	1.62	0.67
Wild.NA (Sympatric- II)- Farm.EO (Sympatric- II)	-0.01	0.0353	-0.16	1.0
Hb _{f♀} - Farm.EO (Sympatric- II)	-0.06	0.0353	-1.78	0.57

Table S4: Tukey-adjusted pairwise contrasts of different cross types from the survival experiments (2016 and 2017) in tank and stream environments derived from the fitted final models for survival (logits). Estimate, parameter estimate. SE, standard errors. z, Wald z-value. Cross types in 2016: Wild.NA_{EO} = NF wild with a signal of EO ancestry; Farm.NA = NA farmed; Hb.NA = Wild.NA_{EO} x Farm.NA; Farm.EO = EO farmed; Hb.EO = Wild.NA_{EO} x Farm.EO. Cross types in 2017: Wild.NA = NF wild with no signal of EO ancestry; Farm.EO; Hb_{w♀} = Wild.NA♀ x Farm.EO♂; Hb_{f♀} = Wild.NA♂ x Farm.EO♀.

Pairwise contrasts	Estimate	±SE	z	P
<i>Survival (logits) in tank environment (2016)</i>				
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric NA)	0.36	0.67	0.53	1.00
Wild.NA _{EO} (Allopatric)- Hb.NA	0.80	0.61	1.30	0.85
Wild.NA _{EO} (Allopatric)- Farm.NA	0.37	0.64	0.57	1.00
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric EO)	1.17	0.57	2.06	0.37
Wild.NA _{EO} (Allopatric)- Hb.EO	0.46	0.64	0.71	0.99
Wild.NA _{EO} (Allopatric)- Farm.EO	1.39	0.57	2.45	0.18
Wild.NA _{EO} (Sympatric NA)- Hb.NA	0.44	0.69	0.64	1.00
Wild.NA _{EO} (Sympatric NA)- Farm.NA	0.01	0.70	0.01	1.00
Wild.NA _{EO} (Sympatric NA)- Wild.NA _{EO} (Sympatric EO)	0.81	0.63	1.29	0.85
Wild.NA _{EO} (Sympatric NA)- Hb.EO	0.10	0.70	0.14	1.00
Wild.NA _{EO} (Sympatric NA)- Farm.EO	1.03	0.64	1.61	0.68
Hb.NA- Farm.NA	-0.43	0.62	-0.69	0.99
Hb.NA- Wild.NA _{EO} (Sympatric EO)	0.37	0.57	0.66	0.99
Hb.NA- Hb.EO	-0.34	0.65	-0.52	1.00
Hb.NA- Farm.EO	0.59	0.58	1.03	0.95
Farm.NA- Wild.NA _{EO} (Sympatric EO)	0.80	0.60	1.34	0.83
Farm.NA- Hb.EO	0.09	0.65	0.14	1.00
Farm.NA- Farm.EO	1.02	0.59	1.73	0.60
Wild.NA _{EO} (Sympatric EO)- Hb.EO	-0.71	0.61	-1.17	0.91
Wild.NA _{EO} (Sympatric EO)- Farm.EO	0.22	0.54	0.40	1.00
Hb.EO- Farm.EO	0.93	0.61	1.53	0.73
<i>Survival (logits) in stream environment (2016)</i>				
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric NA)	-0.39	0.51	-0.76	0.99
Wild.NA _{EO} (Allopatric)- Hb.NA	-0.12	0.47	-0.26	1.00
Wild.NA _{EO} (Allopatric)- Farm.NA	-0.08	0.47	-0.17	1.00
Wild.NA _{EO} (Allopatric)- Wild.NA _{EO} (Sympatric EO)	0.51	0.41	1.24	0.88
Wild.NA _{EO} (Allopatric)- Hb.EO	-0.05	0.49	-0.11	1.00
Wild.NA _{EO} (Allopatric)- Farm.EO	0.42	0.44	0.94	0.97
Wild.NA _{EO} (Sympatric NA)- Hb.NA	0.26	0.58	0.46	1.00
Wild.NA _{EO} (Sympatric NA)- Farm.NA	0.31	0.58	0.54	1.00
Wild.NA _{EO} (Sympatric NA)- Wild.NA _{EO} (Sympatric EO)	0.89	0.53	1.68	0.63
Wild.NA _{EO} (Sympatric NA)- Hb.EO	0.33	0.60	0.56	1.00
Wild.NA _{EO} (Sympatric NA)- Farm.EO	0.81	0.56	1.43	0.79
Hb.NA- Farm.NA	0.05	0.55	0.08	1.00
Hb.NA- Wild.NA _{EO} (Sympatric EO)	0.63	0.50	1.27	0.87
Hb.NA- Hb.EO	0.07	0.57	0.12	1.00

Pairwise contrasts	Estimate	±SE	z	P
Hb.NA- Farm.EO	0.54	0.53	1.02	0.95
Farm.NA- Wild.NA _{EO} (Sympatric EO)	0.58	0.49	1.19	0.90
Farm.NA- Hb.EO	0.02	0.57	0.04	1.00
Farm.NA- Farm.EO	0.50	0.53	0.94	0.97
Wild.NA _{EO} (Sympatric EO)- Hb.EO	-0.56	0.52	-1.08	0.93
Wild.NA _{EO} (Sympatric EO)- Farm.EO	-0.09	0.48	-0.18	1.00
Hb.EO- Farm.EO	0.47	0.55	0.86	0.98
<i>Survival (logits) in tank environment (2017)</i>				
Wild.NA (Allopatric)- Wild.NA (Sympatric- I)	-0.96	0.87	-1.10	0.93
Wild.NA (Allopatric)- Hb _{w♀}	-1.61	1.04	-1.56	0.71
Wild.NA (Allopatric)- Farm.EO (Sympatric- I)	-0.17	0.80	-0.22	1.00
Wild.NA (Allopatric)- Wild.NA (Sympatric- II)	-0.08	0.68	-0.12	1.00
Wild.NA (Allopatric)- Hb _{f♀}	-0.95	0.72	-1.32	0.84
Wild.NA (Allopatric)- Farm.EO (Sympatric- II)	0.65	0.66	0.99	0.96
Wild.NA (Sympatric- I)- Hb _{w♀}	-0.65	1.15	-0.57	1.00
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- I)	0.78	0.97	0.81	0.98
Wild.NA (Sympatric- I)- Wild.NA (Sympatric- II)	0.88	0.88	1.00	0.95
Wild.NA (Sympatric- I)- Hb _{f♀}	0.01	0.89	0.01	1.00
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- II)	1.60	0.82	1.95	0.45
Hb _{w♀} - Farm.EO (Sympatric- I)	1.44	1.08	1.33	0.84
Hb _{w♀} - Wild.NA (Sympatric- II)	1.53	1.07	1.44	0.78
Hb _{w♀} - Hb _{f♀}	0.66	1.08	0.61	1.00
Hb _{w♀} - Farm.EO (Sympatric- II)	2.26	1.03	2.19	0.30
Farm.EO (Sympatric- I)- Wild.NA (Sympatric-II)	0.09	0.86	0.11	1.00
Farm.EO (Sympatric- I)- Hb _{f♀}	-0.78	0.91	-0.86	0.98
Farm.EO (Sympatric- I)- Farm.EO (Sympatric- II)	0.82	0.83	0.99	0.96
Wild.NA (Sympatric- II)- Hb _{f♀}	-0.87	0.79	-1.10	0.93
Wild.NA (Sympatric- II)- Farm.EO (Sympatric- II)	0.73	0.71	1.03	0.95
Hb _{f♀} - Farm.EO (Sympatric- II)	1.60	0.66	2.44	0.18
<i>Survival (logits) in stream environment (2017)</i>				
Wild.NA (Allopatric)- Wild.NA (Sympatric- I)	1.16	0.77	1.50	0.75
Wild.NA (Allopatric)- Hb _{w♀}	2.11	0.63	3.38	0.01
Wild.NA (Allopatric)- Farm.EO (Sympatric- I)	1.63	0.66	2.48	0.17
Wild.NA (Allopatric)- Wild.NA (Sympatric- II)	1.46	0.68	2.14	0.33
Wild.NA (Allopatric)- Hb _{f♀}	1.17	0.72	1.63	0.66
Wild.NA (Allopatric)- Farm.EO (Sympatric- II)	1.85	0.62	2.98	0.05
Wild.NA (Sympatric- I)- Hb _{w♀}	0.95	0.70	1.37	0.82
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- I)	0.47	0.72	0.65	1.00
Wild.NA (Sympatric- I)- Wild.NA (Sympatric- II)	0.30	0.75	0.40	1.00
Wild.NA (Sympatric- I)- Hb _{f♀}	0.01	0.78	0.01	1.00
Wild.NA (Sympatric- I)- Farm.EO (Sympatric- II)	0.69	0.69	1.00	0.95
Hb _{w♀} - Farm.EO (Sympatric- I)	-0.49	0.56	-0.87	0.98

Pairwise contrasts	Estimate	±SE	z	P
Hb _{w♀} - Wild.NA (Sympatric- II)	-0.66	0.59	-1.12	0.92
Hb _{w♀} - Hb _{f♀}	-0.94	0.63	-1.50	0.75
Hb _{w♀} - Farm.EO (Sympatric- II)	-0.26	0.52	-0.50	1.00
Farm.EO (Sympatric- I)- Wild.NA (Sympatric-II)	-0.17	0.62	-0.28	1.00
Farm.EO (Sympatric- I)- Hb _{f♀}	-0.46	0.66	-0.69	0.99
Farm.EO (Sympatric- I)- Farm.EO (Sympatric- II)	0.23	0.56	0.40	1.00
Wild.NA (Sympatric- II)- Hb _{f♀}	-0.29	0.69	-0.42	1.00
Wild.NA (Sympatric- II)- Farm.EO (Sympatric- II)	0.40	0.59	0.68	0.99
Hb _{f♀} - Farm.EO (Sympatric- II)	0.68	0.63	1.09	0.93