

Appendix 4. Results of ANCOVAs for effect of distribution (marble trout in sympatry with rainbow trout vs marble trout in allopatry) on  $\ln$  final weight ( $\ln W_2$ ) as the dependent variable and  $\ln$  initial weight ( $\ln W_1$ ) as the covariate for each interval. Subscripts indicate d.f. associated with the F-statistics. Interaction between distribution and  $\ln W_1$  was never significant in the ANCOVAs. Therefore, the interaction term was removed from the model and adjusted mean (at a common initial mass) and  $R^2$  were computed for the reduced model. Sampling intervals were from June (J) to September (S) of year  $t$  (summer) or from September of year  $t$  to June of year  $t+1$  (winter).

Interval	Year of birth of the cohort	Age	Distribution (F)	$\ln W_1$ (F)	Interaction (F)	Adjusted mean (F)	$R^2$
S 04 to J 05	2003	1 to 2	2.86 <sub>1,13</sub>	23.9543 <sub>1,13</sub>	0.32 <sub>1,13</sub>	3.01 <sub>1,14</sub>	0.62
J 05 to S 05	2003	2	0.55 <sub>1,9</sub>	54.88 <sub>1,9</sub>	0.46 <sub>1,9</sub>	0.59 <sub>1,10</sub>	0.82
S 05 to J 06	2003	2 to 3	4.01 <sub>1,10</sub>	37.41 <sub>1,10</sub>	0.01 <sub>1,10</sub>	4.40 <sub>1,11</sub>	0.77
	2004	1 to 2	0.86 <sub>1,14</sub>	46.73 <sub>1,14</sub>	0.03 <sub>1,14</sub>	0.92 <sub>1,15</sub>	0.74
J 06 to S 06	2003	3	0.12 <sub>1,15</sub>	66.58 <sub>1,15</sub>	0.26 <sub>1,15</sub>	0.13 <sub>1,16</sub>	0.79
	2004	2	0.21 <sub>1,22</sub>	91.98 <sub>1,22</sub>	0.04 <sub>1,22</sub>	0.23 <sub>1,23</sub>	0.79
S 06 to J 07	2004	2 to 3	0.08 <sub>1,8</sub>	86.09 <sub>1,8</sub>	0.18 <sub>1,8</sub>	0.09 <sub>1,9</sub>	0.89
J 07 to S 07	2003	4	0.09 <sub>1,6</sub>	152,13 <sub>1,6</sub>	2.48 <sub>1,6</sub>	0.07 <sub>1,7</sub>	0.93
	2004	3	0.48 <sub>1,13</sub>	450.56 <sub>1,13</sub>	1.53 <sub>1,13</sub>	0.46 <sub>1,14</sub>	0.97
	2005	2	3.59 <sub>1,14</sub>	44.60 <sub>1,14</sub>	1.29 <sub>1,14</sub>	3.52 <sub>1,15</sub>	0.72

S 07 to J 08	2005	2 to 3	0.93 <sub>1,4</sub>	19.59 <sub>1,4</sub>	0.01 <sub>1,4</sub>	1.16 <sub>1,5</sub>	0.77
	2006	1 to 2	0.19 <sub>1,12</sub>	91.55 <sub>1,12</sub>	1.76 <sub>1,12</sub>	0.18 <sub>1,13</sub>	0.85
J 08 to S 08	2006	2	0.18 <sub>1,9</sub>	45.55 <sub>1,9</sub>	0.04 <sub>1,9</sub>	0.19 <sub>1,10</sub>	0.80
	2007	1	0.42 <sub>1,10</sub>	45.10 <sub>1,10</sub>	0.17 <sub>1,10</sub>	0.46 <sub>1,11</sub>	0.78
S 08 to J 09	2006	2 to 3	0.15 <sub>1,5</sub>	21.68 <sub>1,5</sub>	0.04 <sub>1,5</sub>	0.18 <sub>1,6</sub>	0.75
	2007	1 to 2	7.28 <sub>1,22</sub>	194.33 <sub>1,22</sub>	7.28 <sub>1,22</sub>	6.67* <sub>1,23</sub>	0.88

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