

Supplementary Table 5: Results of the size-at-age LMMs, showing the estimates (+/- standard errors) for the fixed effects and associated *P*-values. †0.1 - 0.05; * 0.05 – 0.01; ** 0.01 – 0.001; *** <0.001. The WW group in each case is taken as the reference group against which the other groups are tested. The ‘variable and sample’ column provides information on the collection method/environment, time of sampling, life stage sampled and variable measured (L_F or mass). EF = electrofished. HC = hatchery control. The response variables are on the natural log scale. For details on the random effects for each model, see Table A3.3.

Cohort	Variable and sample	Egg size (centred)	Group effects				
			<i>Intercept (WW)</i> ¹	<i>WF</i>	<i>FW</i>	<i>FF</i>	
1993	EF Aug 1993 0+parr L_F	0.01 (0.00)***	3.99 (0.02)***	0.05 (0.02)*	0.04 (0.03)	0.09 (0.02)**	
1994	EF Aug 1994 0+parr L_F	0.02 (0.00)***	3.99 (0.01)***	0.04 (0.01)*	0.04 (0.01)*	0.05 (0.02)**	
1994	EF Aug 1994 0+parr mass	0.06 (0.02)***	0.56 (0.03)***	0.08 (0.05)	0.10 (0.05)*	0.11 (0.05)*	
1994	EF Jun 1995 1+parr L_F	0.006 (0.006)	4.54 (0.13)***	0.03 (0.02)	0.05 (0.02)*	0.05 (0.02)**	
1994	EF Jun 1995 1+parr mass	0.02 (0.02)	2.24 (0.04)***	0.08 (0.05)	0.14 (0.05)**	0.15 (0.05)**	
1993	HC 0+parr Aug 1993 L_F	0.42 (0.33)	4.65 (0.02)***	0.08 (0.03)*	0.06 (0.03)	0.06 (0.03)*	
1993	HC 0+parr Aug 1993 mass	1.52 (1.08)	2.61 (0.07)***	0.26 (0.10)*	0.19 (0.11)	0.21 (0.09)*	
1993	HC mature 0+parr Nov 1993 L_F	0.30 (0.59)	2.60 (0.04)***	0.04 (0.06)	0.03 (0.06)	-0.01 (0.05)	
1993	HC pre-smolts Mar 1994 L_F	0.40 (0.27)	2.82 (0.02)***	-0.02 (0.03)	0.03 (0.03)	0.06 (0.02)*	
1993	HC pre-smolts Mar 1994 mass	1.31 (0.80)	3.98 (0.06)***	-0.04 (0.08)	0.09 (0.08)	0.16 (0.07)*	
1994	HC pre-smolts Mar 1995 L_F	0.02 (0.01)*	2.59 (0.04)***	0.21 (0.05)***	0.14 (0.05)**	0.23 (0.05)***	
1994	HC pre-smolts Mar 1995 mass	0.06 (0.03).	3.24 (0.14)***	0.61 (0.15)***	0.42 (0.15)**	0.70 (0.15)***	
			<i>Intercept (WW)</i>	<i>BC₁W</i>	<i>F₂Hy</i>	<i>BC₁F</i>	<i>FF</i>
1998	EF Aug 1998 0+parr L_F	1.48 (0.40)***	4.18 (0.01)***	0.01 (0.02)	0.04 (0.02)*	0.06 (0.02)**	0.12 (0.02)***
1998	EF Aug 1998 0+parr mass	4.25 (1.13)***	1.15 (0.03)***	0.02 (0.05)	0.10 (0.05)*	0.15 (0.05)**	0.31 (0.05)***

¹ Statistical significance of intercept simply tests whether it is different from zero (for the mean egg size) and as such is not of direct interest