Supplementary Table 3. Variance components and test statistics for the best random-effect and fixed-effect model for jack mackerel (*Trachurus declivis*) and redbait (*Emmelichthys nitidus*) from waters of Kangaroo Island (KI) and New South Wales (NSW) in Australia. SD=standard deviation; Corr.=correlation statistic; and SE=standard error.

| | *T. declivis* | | | | *E. nitidus* | | | |
| | KI | | NSW | | KI | | NSW | |
Random term	Variance (SD)	Corr.	Variance (SD)	Corr.	Variance (SD)	Corr.	Variance (SD)	Corr.
FishID	0.0093 (0.10)		0.0069 (0.083)		0.017 (0.13)		0.020 (0.14)	
Age|FishID	0.090 (0.30)	0.41	0.063 (0.25)	0.06	0.015 (0.12)	0.18	<0.001 (0.00064)	1.00
Year	<0.001 (0.01)		0.0052 (0.072)		<0.001 (0.0079)		<0.001 (0.026)	
Age|Year	0.023 (0.15)	1.00					0.0066 (0.081)	−1.00
YearClass			<0.001 (0.0042)		0.0012 (0.034)			
Fixed effect	Estimate (SE)	t	Estimate (SE)	t	Estimate (SE)	t	Estimate (SE)	t
Intercept	−2.74 (0.02)	−157.36	−2.61 (0.034)	−76.63	−2.85 (0.031)	−92.52	−3.10 (0.03)	−117.38
Age	−0.60 (0.07)	−8.71	−0.76 (0.072)	−10.63	−0.70 (0.07)	−9.52	−0.566 (0.04)	−12.79
SST	0.11 (0.03)	3.99						