

Supplementary Table 2

Results from the generalized linear model used to examine the effects of season (fall, winter, spring, and summer) and standard length (SL, in millimeters) on total weight for the central subpopulation of northern anchovy (*Engraulis mordax*). Fish were collected during both the fishery port sampling survey of the California Department of Fish and Wildlife and the NOAA Southwest Fisheries Science Center coastal pelagic species trawl survey from 2015 through 2021. All comparisons in this table are made to the reference model. Asterisks (***) indicate significant differences at the 0 level. Standard errors of the mean (SEs) are given for mean parameters estimates.

Reference model	Parameter	Estimate	SE	<i>t</i>	<i>P</i> (> <i>t</i>)
Fall	(Intercept)	-12.084732	0.021706	-556.758	<2e-16***
	Spring	0.011725	0.002287	5.126	2.98e-07***
	Summer	0.083630	0.002286	36.587	<2e-16***
	Winter	0.012871	0.003125	4.118	3.83e-05***
	Log(<i>SL</i>)	3.122121	0.004667	668.912	<2e-16***
Winter	(Intercept)	-12.071861	0.022008	-548.510	<2e-16***
	Spring	-0.001146	0.003123	-0.367	0.714
	Summer	0.070759	0.003135	22.572	<2e-16***
	Fall	-0.012871	0.003125	-4.118	3.83e-05***
	Log(<i>SL</i>)	3.122121	0.004667	668.912	<2e-16***
Spring	(Intercept)	-12.073007	0.021983	-549.210	<2e-16***
	Summer	0.071905	0.002298	31.297	<2e-16***
	Fall	-0.011725	0.002287	-5.126	2.98e-07***
	Winter	0.001146	0.003123	0.367	0.714
	Log(<i>SL</i>)	3.122121	0.004667	668.912	<2e-16***
Summer	(Intercept)	-12.001102	0.021785	-550.89	<2e-16***
	Fall	-0.083630	0.002286	-36.59	<2e-16***
	Winter	-0.070759	0.003135	-22.57	<2e-16***
	Spring	-0.071905	0.002298	-31.30	<2e-16***
	Log(<i>SL</i>)	3.122121	0.004667	668.912	<2e-16***