Species	Sex	Response variable	Predictor variables	Estimate	SD	p	R^2	Fisher C	Model p	AIC	N
Common	Male	Reproduction	Energy storage	0.4715	0.0636	**<0.0001**	0.273				185
			Food intake	0.1221	0.0641	0.0584					
			CO_2 enrichment	0.3712	0.1322	**0.0055**					
		Energy storage	Reproduction	0.4943	0.0667	**<0.0001**	0.239				185
			Food intake	-0.0123	0.0663	0.8532					
			CO_2 enrichment	-0.2922	0.1366	**0.0337**					
		Growth	Maintenance (TAC)	0.5807	0.2146	**0.0156**	0.408	8.00	0.785	64	20
			Food intake	-0.8876	0.3460	**0.0207**					
			CO_2 enrichment	0.5775	0.3800	0.1481					
		Maintenance (TAC)	Food intake	0.9590	0.3159	**0.0079**	0.449				20
			Growth	0.5406	0.1998	**0.0156**					
			CO_2 enrichment	-0.4677	0.3744	0.2296					
		Maintenance (MDA)	Food intake	0.0007	0.3905	0.9986	0.014				20
			CO_2 enrichment	-0.2304	0.4720	0.6317					
		Condition	Food intake	-0.4581	0.3954	0.2692	0.155				15
			CO_2 enrichment	0.4123	0.5169	0.4405					
	Female	Reproduction	Condition	-0.7161	0.3059	**0.0474**	0.516				13
			Energy storage	0.4451	0.2511	0.1142					
			Food intake	-0.3582	0.2953	0.2597					
			CO_2 enrichment	-0.1214	0.6100	0.8472					
		Energy storage	Reproduction	0.4591	0.1189	**0.0003**	0.328				52
			Food intake	0.3442	0.1189	**0.0057**					
			CO_2 enrichment	-0.2041	0.2396	0.3985					
		Growth	Food intake	0.0368	0.2982	0.9039	0.025	32.96	0.163	86.96	15
			CO_2 enrichment	-0.3211	0.5850	0.5932					
		Maintenance (TAC)	Food intake	0.2650	0.2779	0.3592	0.153				15
			CO_2 enrichment	-0.6399	0.5453	0.2634					
		Maintenance (MDA)	Food intake	-0.0356	0.2724	0.8982	0.187				15
			CO_2 enrichment	0.8862	0.5344	0.1232					
		Condition	Food intake	0.1874	0.2976	0.5431	0.071				13
			CO_2 enrichment	-0.3992	0.6352	0.5438					

Species	Sex	Response variable	Predictor variables	Estimate	SD	p	R^2	Fisher C	Model p	AIC	N
Blenny	Male	Reproduction	Growth	-0.8481	0.2157	**0.0020**	0.649	17.51	0.620	69.51	16
			Food intake	-0.0199	0.2020	0.9233					
			CO_2 enrichment	0.2308	0.4135	0.5870					
		Energy storage	Food intake	0.5878	0.2240	**0.0210**	0.357				16
			CO_2 enrichment	-0.1323	0.5008	0.7958					
		Growth	Reproduction	-0.6637	0.1688	**0.0020**	0.725				16
			Food intake	-0.2265	0.1664	0.1985					
			CO_2 enrichment	0.4560	0.3463	0.2125					
		Maintenance (TAC)	Food intake	-0.1004	0.2519	0.6968	0.187				16
			CO_2 enrichment	0.9136	0.5633	0.1288					
		Maintenance (MDA)	Food intake	0.4474	0.2172	0.0600	0.396				16
			CO_2 enrichment	-0.8751	0.4857	0.0948					
		Condition	Food intake	0.3453	0.2699	0.2297	0.141				13
			CO_2 enrichment	0.0763	0.6187	0.9043					
	Female	Reproduction	Growth	-0.5950	0.1150	**0.0001**	0.833	16.64	0.548	76.64	19
			Energy storage	0.2895	0.1271	**0.0390**					
			Food intake	0.2276	0.1374	0.1199					
			CO_2 enrichment	-0.6751	0.2602	**0.0212**					
		Energy storage	Reproduction	0.5374	0.2276	**0.0304**	0.454				21
			Food intake	0.2194	0.2439	0.3809					
			CO_2 enrichment	0.0486	0.4365	0.9126					
		Growth	Reproduction	-0.9756	0.1953	**0.0002**	0.665				19
			Food intake	0.2246	0.1995	0.2781					
			CO_2 enrichment	-0.7021	0.3995	0.0993					
		Maintenance (TAC)	Energy storage	-0.5609	0.2527	**0.0423**	0.319				19
			Food intake	-0.0177	0.2710	0.9488					
			CO_2 enrichment	-0.3564	0.5238	0.5066					
		Maintenance (MDA)	Food intake	-0.9075	0.1795	**0.0001**	0.684				19
			CO_2 enrichment	1.4842	0.3470	**0.0007**					
			Energy storage	0.3671	0.1674	**0.0445**					
		Condition	Food intake	0.0438	0.2534	0.8655	0.100				16
			CO_2 enrichment	0.5837	0.5570	0.3138					

Species	Sex	Response variable	Predictor variables	Estimate	SD	p	R^2	Fisher C	Model p	AIC	N
Blue-eyed	Male	Reproduction	Food intake	-0.1449	0.3034	0.6423	0.023				14
			CO_2 enrichment	0.0534	0.5847	0.9289					
		Energy storage	Food intake	0.2141	0.2922	0.4792	0.094				14
			CO_2 enrichment	0.5065	0.5632	0.3877					
		Growth	Food intake	-0.1334	0.3112	0.6773	0.047	17.98	0.589	57.98	13
			CO_2 enrichment	-0.3618	0.5992	0.5595					
		Maintenance (TAC)	Food intake	0.3737	0.2841	0.2178	0.206				13
			CO_2 enrichment	-0.4170	0.5471	0.4636					
		Maintenance (MDA)	CO_2 enrichment	-0.2783	0.6027	0.6542	0.036				13
			Food intake	0.1077	0.3129	0.7380					
	Female	Reproduction	Energy storage	0.6026	0.2706	0.0530	0.359				13
			Food intake	0.1094	0.2675	0.6921					
			CO_2 enrichment	0.1916	0.5345	0.7283					
		Energy storage	Reproduction	0.5895	0.2647	0.0530	0.373				13
			Food intake	-0.0975	0.2650	0.7214					
			CO_2 enrichment	-0.3180	0.5218	0.5573					
		Growth	Food intake	-0.2825	0.2943	0.3623	0.151				12
			CO_2 enrichment	0.4660	0.5970	0.4551					
			Growth	-0.7960	0.2168	**0.0063**		16.22	0.438	72.22	
		Maintenance (TAC)	Food intake	-0.5629	0.2010	**0.0232**	0.681				12
			CO_2 enrichment	0.0738	0.4013	0.8587					
		Maintenance (MDA)	Food intake	-0.0731	0.3454	0.8376	0.034				11
			CO_2 enrichment	0.3323	0.6665	0.6315					
		Condition	Growth	-1.1048	0.1327	**0.0036**	0.962				7
			Food intake	-0.4850	0.1334	**0.0359**					
			CO_2 enrichment	0.6494	0.2616	0.0891					

Species	Sex	Response variable	Predictor variables	Estimate	SD	p	R^2	Fisher C	Model p	AIC	N
Yaldwyn's	Male	Reproduction	Food intake	0.1536	0.2193	0.4921	0.047	36.74	0.185	87.74	22
			CO_2 enrichment	0.2911	0.4303	0.5068					
		Energy storage	Food intake	-0.1018	0.2241	0.6549	0.011				22
			CO_2 enrichment	-0.0177	0.4398	0.9683					
		Growth	Food intake	-0.6130	0.1991	**0.0065**	0.360				21
			CO_2 enrichment	0.3769	0.3808	0.3354					
		Maintenance (TAC)	Food intake	0.2506	0.2193	0.2682	0.092				21
			CO_2 enrichment	0.3359	0.4430	0.4581					
		Maintenance (MDA)	Food intake	-0.2574	0.2183	0.2538	0.101				21
			CO_2 enrichment	0.3346	0.4409	0.4577					
		Condition	Food intake	-0.5004	0.2127	**0.0405**	0.359				13
			CO_2 enrichment	-0.2615	0.5213	0.6268					
	Female	Reproduction	Food intake	-0.0725	0.4146	0.8670	0.006	23.97	0.773	71.97	9
			CO_2 enrichment	-0.0785	0.8292	0.9276					
		Energy storage	Food intake	0.2784	0.3446	0.4500	0.313				9
			CO_2 enrichment	-0.8710	0.6892	0.2532					
		Growth	Food intake	-0.7493	0.4603	0.1645	0.347				8
			CO_2 enrichment	-0.0781	0.6987	0.9154					
		Maintenance (TAC)	Food intake	0.7389	0.2861	**0.0416**	0.527				9
			CO_2 enrichment	0.2472	0.5721	0.6808					
		Maintenance (MDA)	Food intake	-0.3418	0.3917	0.4164	0.113				9
			CO_2 enrichment	-0.1065	0.7833	0.8963					
		Condition	Food intake	-1.3809	0.3163	**0.0487**	0.912				5
			CO_2 enrichment	0.4394	0.4377	0.4212					