

Title

Dietary variation effect on bionomic characters and energy storage molecules contents in Neotropical species of *Drosophila* (Diptera; Drosophilidae)

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Table S2 Linear mixed model of HPS, EPS and LPS diets, sex and lineages (CAJ, PMA and POA) effects on viability –V and development time –DT (bivariate), and triglyceride, glycogen and total protein contents (trivariate) in *Drosophila willistoni*. CI = Confidence Interval

		Posterior Mean	Inferior 95% CI	Superior 95% CI	Effective Samples	pMCMC
V	Intercept	240.6809	230.4988	251.5565	1700	< 6e-04 ***
	CAJ	-229.4192	-239.1419	-217.4716	1700	< 6e-04 ***
	PMA	-228.6892	-239.6785	-218.1781	1700	< 6e-04 ***
	POA	-229.8061	-241.0829	-219.0341	1700	< 6e-04 ***
	HPS	0.3340	-2.1373	2.6985	1396	0.77412
	LPS	1.1028	-1.3041	3.5876	1700	0.35176
	PMA:HPS	-2.5137	-5.7561	0.8039	1700	0.14000
	POA:HPS	-1.5151	-4.6054	2.2249	1549	0.38235
	PMA:LPS	-2.4189	-5.7374	0.9951	1700	0.17529
	POA:LPS	-2.7615	-6.4868	0.4394	1700	0.11412
DT	CAJ	12.6900	-1.0667	25.6404	1700	0.08118
	PMA	1.2215	-13.0838	15.2451	1700	0.85294
	HPS	-7.2976	-20.2395	6.2669	1827	0.28353
	LPS	-14.3492	-27.6237	-1.2515	1295	0.03882 *
	SexM	9.2250	2.8909	15.3852	1693	0.00235 **
	PMA:HPS	1.9821	-17.2122	22.4476	1700	0.86235
	POA:HPS	-3.1508	-20.4236	17.5817	1499	0.72706
	PMA:LPS	23.6123	4.2067	43.6724	1700	0.02706 *
	POA:LPS	28.6243	8.8214	46.6215	1337	0.00235 **

TABLE S2 Continued

Trivariate	Intercept	1.565e-01	7.997e-02	2.275e-01	1000	<0.001 ***
Triglyceride	EPS	-6.399e-02	-1.679e-01	5.085e-02	1000	0.268
	HPS	-6.836e-02	-1.759e-01	3.943e-02	1105	0.230
	LPS	-5.277e-02	-1.623e-01	5.455e-02	1095	0.344
	SexM	-1.741e-02	-8.368e-02	4.511e-02	1000	0.622
	PMA	3.448e-02	-5.210e-02	1.083e-01	1000	0.402
	POA	2.943e-02	-5.590e-02	1.038e-01	1000	0.494
Glycogen	EPS	-1.382e-01	-2.470e-01	-3.557e-02	1261	0.024 *
	HPS	-1.410e-01	-2.489e-01	-3.813e-02	1000	0.014 *
	LPS	-1.307e-01	-2.352e-01	-3.017e-02	1000	0.012 *
	SexM	5.645e-05	-6.264e-02	6.432e-02	1000	0.986
	PMA	1.497e-01	7.895e-02	2.226e-01	1000	<0.001 ***
	POA	8.414e-03	-7.021e-02	8.661e-02	1000	0.842
Protein	EPS	-1.416e-02	-8.363e-02	6.539e-02	1000	0.732
	HPS	9.764e-03	-6.489e-02	9.263e-02	1055	0.800
	SexM	-1.982e-02	-7.838e-02	4.973e-02	1000	0.564
	PMA	1.843e-03	-8.401e-02	8.131e-02	1308	0.956
	POA	3.681e-02	-3.954e-02	1.193e-01	1000	0.338