

Impact of lysine supplementation on growth and development of *Hermetia illucens* larvae

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Table S1. Statistic distribution of crude fat (F), crude protein (P), and lysine (L) content values in substrate and *H. illucens* larvae expressed as % dry matter.

	Group	Analyte	Minimum	25% percentile	Median	75% percentile	Maximum
Substrate composition	control	F	13.43	13.80	15.25	15.85	17.12
		P	15.85	16.68	18.47	19.04	19.66
		L	0.1178	0.2163	0.2900	0.3976	0.4211
	0.5LS	F	11.75	13.78	14.56	15.81	16.71
		P	16.45	18.23	19.46	20.11	20.24
		L	0.5351	0.6398	0.6876	0.8081	1.108
	1LS	F	12.42	13.18	14.11	15.58	16.45
		P	17.56	19.07	19.42	21.01	21.94
		L	0.7226	0.8882	1.145	1.329	1.419
3LS	F	10.28	11.24	13.44	14.73	15.79	
	P	21.56	23.72	24.71	25.62	26.31	
	L	1.693	2.169	2.614	2.779	3.000	
Larval composition	control	F	40.49	42.96	46.03	49.26	49.93
		P	28.13	30.13	32.49	33.36	33.78
		L	0.3721	0.4675	0.6111	0.7212	0.8181
	0.5LS	F	40.56	42.43	44.97	47.37	47.99
		P	30.24	31.40	33.06	33.67	34.41
		L	0.4835	0.5205	0.5804	0.7929	0.9041
	1LS	F	41.38	42.07	44.20	46.30	48.42
		P	30.25	32.42	32.90	33.36	33.85
		L	0.3883	0.5041	0.6135	0.6818	0.7551
3LS	F	40.26	41.90	44.16	44.91	45.14	
	P	29.26	31.23	31.84	33.11	33.49	
	L	0.4340	0.5687	0.8000	0.8919	1.011	

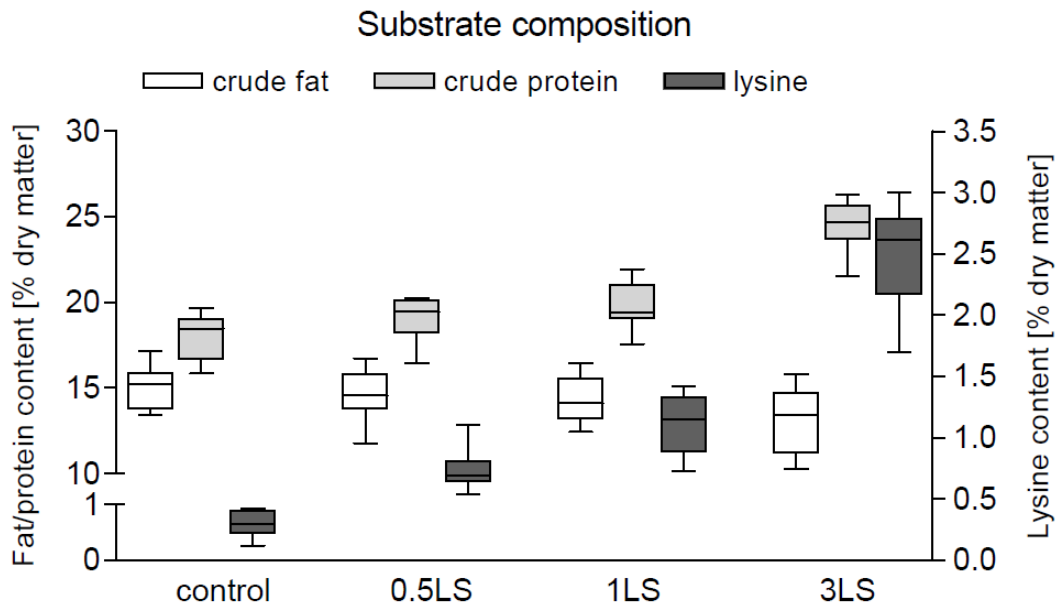


Figure S1. Boxplot visualization of crude fat, crude protein, and lysine content of basic (control) and lysine-supplemented substrate (0.5LS, 1LS, 3LS). Boxes comprise 1st to 3rd quartile, vertical line in the box represents median, and whiskers describe minimum and maximum values. Data is calculated from 10 repetition trials.

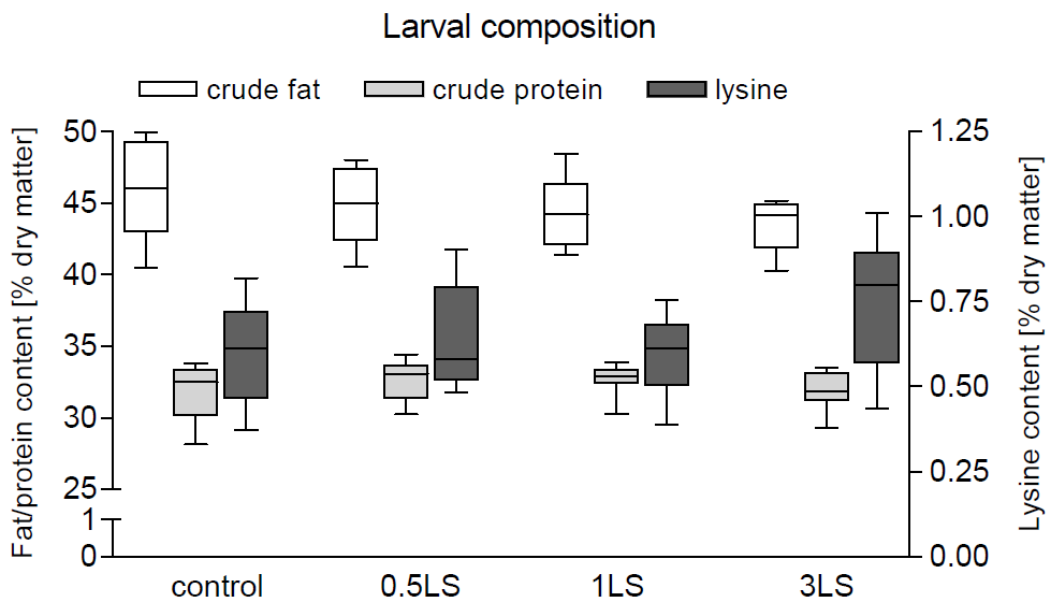


Figure S2. Boxplot visualization of crude fat, crude protein, and lysine content of *Hermetia illucens* larvae fed either with basic (control) or lysine-supplemented substrate (0.5LS, 1LS, 3LS). Boxes comprise 1st to 3rd quartile, vertical line in the box represents median, and whiskers describe minimum and maximum values. Data is calculated from 10 repetition trials.