Table S1. Coefficients, standard errors and associated *P*-values of the fixed terms of the four selected models investigating a treatment effect on bee flight activity parameters (see Table 1 for details). Intercept represents the pin prick bees.

Dependent variable	covariates	class	coefficient	standard error	*p*-value
Duration of flight activity over the 35-day period (days)	intercept		2.525	0.0448	< 0.001
	treatment	control	0.081	0.0393	0.04
		Nosema	-0.332	0.0426	< 0.001
Total number of flights over the 35-day period (days)	intercept		3.190	0.0543	< 0.001
	treatment	control	0.289	0.0269	< 0.001
		Nosema	-0.222	0.0297	< 0.001
Number of flights/day	intercept		0.080	0.0882	0.36
	age (day)		0.052	0.0040	< 0.001
	treatment	control	-0.071	0.1191	0.55
		Nosema	-0.413	0.1358	0.002
	age*treatment	control	0.015	0.0053	0.004
		Nosema	0.044	0.0075	< 0.001
Duration of each flight (seconds)	intercept		-277.86	365.30	0.46
	age (day)		226.50	12.36	< 0.001
	treatment	control	-1400.32	397.34	< 0.001
		Nosema	-2264.79	434.59	< 0.001
	age*treatment	control	39.72	16.28	0.01
		Nosema	187.06	22.27	< 0.001
Duration of flight activity/day (seconds)	intercept		-1995.71	1032.54	0.057
	age (day)		677.46	49.64	< 0.001
	treatment	control	-5931.45	1342.99	< 0.001
		Nosema	-9737.59	1516.46	< 0.001
	age*treatment	control	467.52	67.03	< 0.001
		Nosema	942.76	91.73	< 0.001