Table S1: Results of one-sided Wald tests testing for preference of a color in the results of paperboard-wrapped and ink-colored oviposition site bioassay. Both tested at three light intensities. The 1600 lx light intensity was the maximal light intensity of an 16:8 hours light cycle (Light:Dark; separated by crepuscular periods; daylight 1600 lx) while the 130 lx and the 0 lx bioassay were at constant light intensity. The proportion of egg rafts is normalized for each combination of lighting and oviposition site. Results are given for females and males separately. Adjusted p-values are calculated using Bonferroni adjustment.

Dying method	Light intensity in Lux	Null hypothesis	Estimate	Std. error	t-statistic	p-value	adjusted P-value	significance
ink-colored	0	Blue <= Green	-0,61518564	0,19624861	-3,13472613	0,00086007	0,03096263	*
ink-colored	0	Blue <= Yellow	-0,64050345	0,19787536	-3,23690353	0,00060417	0,02175017	*
ink-colored	0	Red >= Blue	-1,73911574	0,30072328	-5,78310983	3,6666E-09	1,32E-07	***
ink-colored	0	Red >= Green	-1,1239301	0,31925041	-3,52052832	0,00021534	0,00775238	**
ink-colored	0	Red >= Yellow	-1,09861229	0,32025297	-3,43045154	0,00030129	0,0108464	*
ink-colored	0	Yellow >= Green	-0,02531781	0,22503553	-0,11250582	0,45521118	1	n.s.
ink-colored	130	Blue <= Yellow	-0,56884946	0,14261766	-3,98863264	3,3228E-05	0,00119619	**
ink-colored	130	Blue >= Green	-1,4569E-12	0,12126794	-1,2014E-11	0,5	1	n.s.
ink-colored	130	Red <= Blue	-0,58860332	0,10693266	-5,50442975	1,8518E-08	6,6666E-07	***
ink-colored	130	Red <= Green	-0,58860332	0,10693269	-5,50442855	1,8518E-08	6,6666E-07	***
ink-colored	130	Red <= Yellow	-1,15745279	0,1306464	-8,85943089	4,0212E-19	1,4476E-17	***
ink-colored	130	Yellow >= Green	-0,56884946	0,14261768	-3,98863215	3,3228E-05	0,0011962	**
ink-colored	1600	Blue >= Green	0,03562718	0,10090266	0,35308462	0,6379875	1	n.s.
ink-colored	1600	Blue >= Yellow	1,36649173	0,15686887	8,71104462	1	1	n.s.
ink-colored	1600	Red <= Blue	0,01005034	0,10025221	0,10025052	0,53992728	1	n.s.
ink-colored	1600	Red <= Green	-0,02557684	0,10115262	-0,25285398	0,40019053	1	n.s.
ink-colored	1600	Red <= Yellow	-1,3564414	0,15702977	-8,63811635	2,8574E-18	1,0287E-16	***
ink-colored	1600	Yellow >= Green	-1,33086456	0,15744583	-8,45284086	1,4215E-17	5,1174E-16	***
paperboard-wrapped	0	Blue <= Yellow	0,33647224	0,22131336	1,52034311	0,93578762	1	n.s.
paperboard-wrapped	0	Blue >= Green	-0,35667494	0,22038925	-1,61838627	0,05278969	1	n.s.
paperboard-wrapped	0	Red <= Blue	-0,64934456	0,20855888	-3,11348314	0,00092447	0,03328075	*
paperboard-wrapped	0	Red <= Green	-0,29266961	0,18688329	-1,56605553	0,05866781	1	n.s.

paperboard-wrapped	0	Red <= Yellow	-0,31287232	0,18797219	-1,66446072	0,0480102	1	n.s.
paperboard-wrapped	0	Yellow >= Green	-0,02020271	0,20101781	-0,10050208	0,45997287	1	n.s.
paperboard-wrapped	130	Blue >= Green	-0,47692407	0,21217718	-2,24776329	0,01229564	0,44264319	n.s.
paperboard-wrapped	130	Blue >= Yellow	-5,4817E-16	0,23570226	-2,3257E-15	0,5	1	n.s.
paperboard-wrapped	130	Red <= Blue	-1,26851133	0,18865386	-6,72401471	8,8392E-12	3,1821E-10	***
paperboard-wrapped	130	Red <= Green	-0,79158725	0,15828417	-5,00105141	2,8509E-07	1,0263E-05	***
paperboard-wrapped	130	Red <= Yellow	-1,26851133	0,18865386	-6,72401473	8,8392E-12	3,1821E-10	***
paperboard-wrapped	130	Yellow >= Green	-0,47692407	0,21217718	-2,24776329	0,01229564	0,44264318	n.s.
paperboard-wrapped	1600	Blue >= Green	-0,51725651	0,22691143	-2,27955244	0,01131712	0,40741643	n.s.
paperboard-wrapped	1600	Blue >= Yellow	-0,30368241	0,23678606	-1,28251811	0,09983048	1	n.s.
paperboard-wrapped	1600	Red <= Blue	-0,59136449	0,22386346	-2,64163018	0,0041254	0,14851456	n.s.
paperboard-wrapped	1600	Red <= Green	-0,07410797	0,19258208	-0,38481239	0,35018821	1	n.s.
paperboard-wrapped	1600	Red <= Yellow	-0,28768207	0,20412423	-1,40934802	0,07936614	1	n.s.
paperboard-wrapped	1600	Yellow >= Green	-0,2135741	0,2074624	-1,02945932	0,15163194	1	n.s.