

Supplementary Materials: Data reliability in a Citizen Science protocol for monitoring stingless bees flight activity

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Table S1. Dispersion of residual variance for each model. Significant dispersion models are highlighted in bold.

	Response	fixed-effects	dispersion	p-value
Replication	entrance	group + video quality	1.0036	0.872
		group	1.0028	0.868
		video quality	1.0018	0.86
		null	1.0009	0.86
	exit	group + video quality	0.86385	0.388
		group	0.86356	0.386
		video quality	0.86068	0.382
		null	0.86445	0.386
	pollen	group + video quality	1.0402	0.676
		group	1.0409	0.676
		video quality	1.0435	0.634
		null	1.0439	0.646
	entrance	group + video quality	0.78575	0.896
		group	0.78227	0.916
		video quality	0.78299	0.906
		null	0.78214	0.93
	exit	group + video quality	0.48697	0.246
		group	0.48786	0.244
		video quality	0.48752	0.244
		null	0.48806	0.232
	pollen	group + video quality	1.4515	0.096
		group	1.4465	0.096
		video quality	1.4308	0.098
		null	1.426	0.124
Validation	entrance	group + video quality	1.05	0.838
		group	1.0487	0.838
		video quality	1.0497	0.846
		null	1.0481	0.858
	exit	group + video quality	0.94205	0.72
		group	0.94207	0.71
		video quality	0.94665	0.734
		null	0.94655	0.736
	pollen	group + video quality	1.0359	0.758
		group	1.0361	0.746
		video quality	1.0407	0.69
		null	1.0406	0.712
	entrance	group + video quality	0.78728	0.934
		group	0.78883	0.912
		video quality	0.79104	0.924
		null	0.78844	0.932
	exit	group + video quality	0.47746	0.266
		group	0.47922	0.264
		video quality	0.47861	0.272
		null	0.47718	0.262
	pollen	group + video quality	1.693	0.034
		group	1.6759	0.036
		video quality	1.7061	0.032
		null	1.6842	0.03

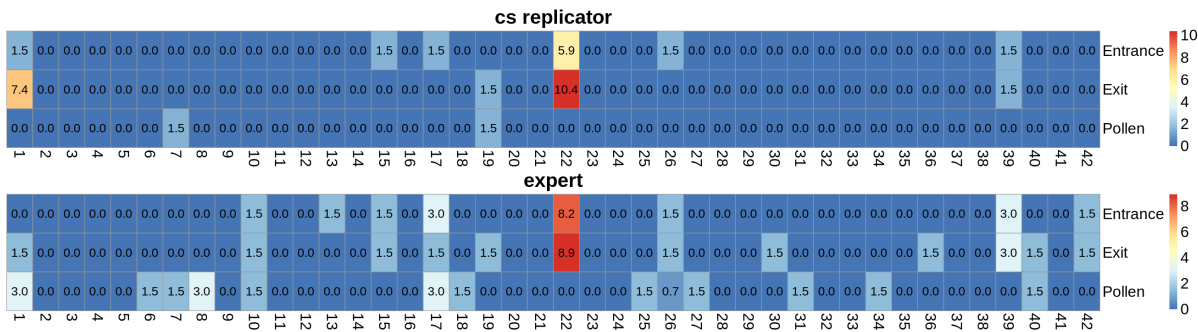


Figure S1. Median Absolute Deviation (MAD) value of each video for replicator citizen scientists and experts in different bee activities.