

Supplementary Material

Table S1. Pro-resilin gene expression pairwise comparisons

Groups	d	Z	P
Pupae:Hatchling	1.579546314	4.116963	0.001
Pupae:Nurse	1.594999201	3.954266	0.001
Pupae:Forager	1.576622853	4.289293	0.001
Pupae:Drone	1.584572668	4.057029	0.001
Hatchling:Nurse	0.015452888	-1.772973	0.957
Hatchling:Forager	0.002923461	-2.183139	0.990
Hatchling:Drone	0.005026354	-2.112737	0.985
Nurse:Forager	0.018376348	-1.658888	0.947
Nurse:Drone	0.010426533	-1.854225	0.964
Forager: Drone	0.007949815	-1.874002	0.966

Table S2. Resilin autofluorescence pairwise comparisons

Joint	Comparison	Difference	UCL (95%)	Z	Pr > d
1m-cu LFV	Hatchling:Nest	57263.304	25317.4455	3.44131179	0.001
1m-cu LFV	Hatchling:Forager	69035.7392	28250.146	3.49431687	0.001
1m-cu LFV	Hatchling:Drone	46930.0498	29836.1852	2.46024538	0.004
1m-cu LFV	Nest:Forager	11772.4352	25275.9272	0.32364323	0.404
1m-cu LFV	Nest:Drone	10333.2542	29037.0123	0.03615677	0.505
1m-cu LFV	Forager:Drone	22105.6894	31876.7721	0.94777065	0.186
1m-cu RFV	Hatchling:Nest	70324.6618	28806.2814	3.60452215	0.001
1m-cu RFV	Hatchling:Forager	93316.7512	33453.9762	4.02039391	0.001
1m-cu RFV	Hatchling:Drone	55003.0397	37371.7886	2.46272979	0.003
1m-cu RFV	Nest:Forager	22992.0894	30558.4961	1.13748583	0.13
1m-cu RFV	Nest:Drone	15321.6221	33072.8736	0.32977315	0.388
1m-cu RFV	Forager:Drone	38313.7115	35935.828	1.63747421	0.037
Cu-V LFV	Hatchling:Nest	132753.223	38658.5587	4.29623782	0.001
Cu-V LFV	Hatchling:Forager	114969.295	45917.0984	3.53513115	0.001

Cu-V LFV	Hatchling:Drone	96066.7241	48502.4515	2.90827601	0.001
Cu-V LFV	Nest:Forager	17783.9283	42986.5627	0.2621798	0.422
Cu-V LFV	Nest:Drone	36686.4993	43121.9875	1.30343222	0.096
Cu-V LFV	Forager:Drone	18902.571	50758.1927	0.1068824	0.476
Cu-V RFV	Hatchling:Nest	133513.282	36701.8088	4.58908456	0.001
Cu-V RFV	Hatchling:Forager	101749.066	40945.001	3.59836823	0.001
Cu-V RFV	Hatchling:Drone	116430.4	45739.336	3.55974306	0.001
Cu-V RFV	Nest:Forager	31764.2157	35935.2966	1.357537	0.091
Cu-V RFV	Nest:Drone	17082.8812	43324.9488	0.21792428	0.436
Cu-V RFV	Forager:Drone	14681.3346	46821.7216	-0.0686192	0.544
CU-V LHV	Hatchling:Nest	77861.741	31073.9558	3.62298199	0.001
CU-V LHV	Hatchling:Forager	53534.4025	39401.6163	2.18067995	0.005
CU-V LHV	Hatchling:Drone	44920.1757	40569.8623	1.72569372	0.032
CU-V LHV	Nest:Forager	24327.3385	34541.9796	0.91268266	0.183
CU-V LHV	Nest:Drone	32941.5653	39123.5341	1.27268412	0.092
CU-V LHV	Forager:Drone	8614.22684	45284.1371	-0.5292954	0.684
CU-V RHV	Hatchling:Nest	80965.8069	35889.0299	3.5164543	0.001
CU-V RHV	Hatchling:Forager	60009.609	39455.4482	2.39721158	0.004
CU-V RHV	Hatchling:Drone	49871.8772	44595.6124	1.80728645	0.027
CU-V RHV	Nest:Forager	20956.1978	39538.5656	0.57686996	0.303
CU-V RHV	Nest:Drone	31093.9296	42354.8413	1.02296662	0.169
CU-V RHV	Forager:Drone	10137.7318	49371.2441	-0.4439794	0.673