

Table S1. Phenotyping details

Details of the sample size for the phenotyping conducted for this study. The colony name, date of samplings for each colony (Sampling; I: end of August, II: middle of September, III: beginning of October and IV: end of October), the number of cells analyzed (Ncells) and sampled (the number of non-infested cells N-I, cells with successful reproduction N-R, non-successful reproduction N-NR and multiple infestations N-MI) are given, as well as the sum of brood sampled per date and colonies. The stars next to the colony names indicate the colonies used for genotyping.

Colony	Sampling	Ncells	N-I	N-R	N-NR	N-MI	Total sampled	
A	I	83	24	19	1	1	45	143
	I	87	24	18	2	5	49	
	II	140	24	18	2	5	49	
B*	I	81	24	12	8	4	48	213
	I	79	24	11	9	7	51	
	II	148	24	13	7	7	51	
	III	352	24	13	18	8	63	
C	I	94	24	17	3	12	56	173
	II	71	24	20	0	8	52	
	III	132	24	15	14	12	65	
D*	I	129	24	17	3	8	52	179
	II	105	24	17	3	0	44	
	IV	147	24	24	16	19	83	
E*	II	95	24	18	2	2	46	164
	IV	61	24	13	7	13	57	
	IV	151	24	20	5	12	61	
F	III	326	48	12	19	13	92	167
	III	346	24	24	16	11	75	
Total		2627	456	301	135	147	1039	

Table S2. Information on the microsatellite markers used

Details and references of the five microsatellite markers used in this study. The number of alleles (NA) and observed heterozygosity and their average value over all markers (+/- SD) are given for each colony and over all colonies (Total). The final sample sizes (i.e. after removing all individuals with missing information) for each colony and in total are given between brackets below the colony name.

Name	Ref	NA				HO			
		<i>Col B</i> (182)	<i>Col D</i> (130)	<i>Col E</i> (117)	<i>Total</i> (429)	<i>Col B</i> (182)	<i>Col D</i> (130)	<i>Col E</i> (117)	<i>Total</i> (429)
A007	[49]	6	7	5	12	0.929	0.869	0.581	0.816
Ap043	[48]	4	5	3	5	0.588	0.731	0.179	0.520
Ap055	[48]	3	5	4	6	0.604	0.938	0.624	0.711
A113	[49]	6	4	6	8	0.593	0.385	0.342	0.462
B124	[49]	5	8	7	11	0.698	0.915	1.000	0.846
AVG (SD)		4.80 (1.30)	5.80 (1.64)	5.00 (1.58)	8.40 (3.05)	0.682 (0.015)	0.768 (0.017)	0.545 (0.021)	0.671 (0.010)

Table S3. Prevalence of pupae patriline across sampling dates

Details of the subfamilies sampled in this study, indicating the number of individuals per colony and patriline across the sampling dates (I: end of August, II: middle of September, III: beginning of October and IV: end of October).

Patriline	Colony	N _{individual}	Date I	Date II	Date III	Date IV
A	B	75	15 + 14	21	25	-
B	B	29	11 + 9	7	2	-
C	B	19	6 + 4	3	6	-
D	B	9	2 + 1	2	4	-
E	B	28	7 + 6	8	7	-
F	B	20	2 + 4	5	9	-
G	D	14	4	0	-	10
H	D	10	7	1	-	2
I	D	7	1	2	-	4
J	D	23	4	5	-	14
K	D	19	4	7	-	8
L	D	14	2	3	-	9
M	D	8	0	0	-	8
N	D	8	5	1	-	2
O	D	5	1	1	-	3
P	D	6	1	3	-	2
Q	E	32	-	14		7 + 11
R	E	18	-	11		0 + 7
S	E	31	-	8		0 + 23
T	E	5	-	5		0 + 0