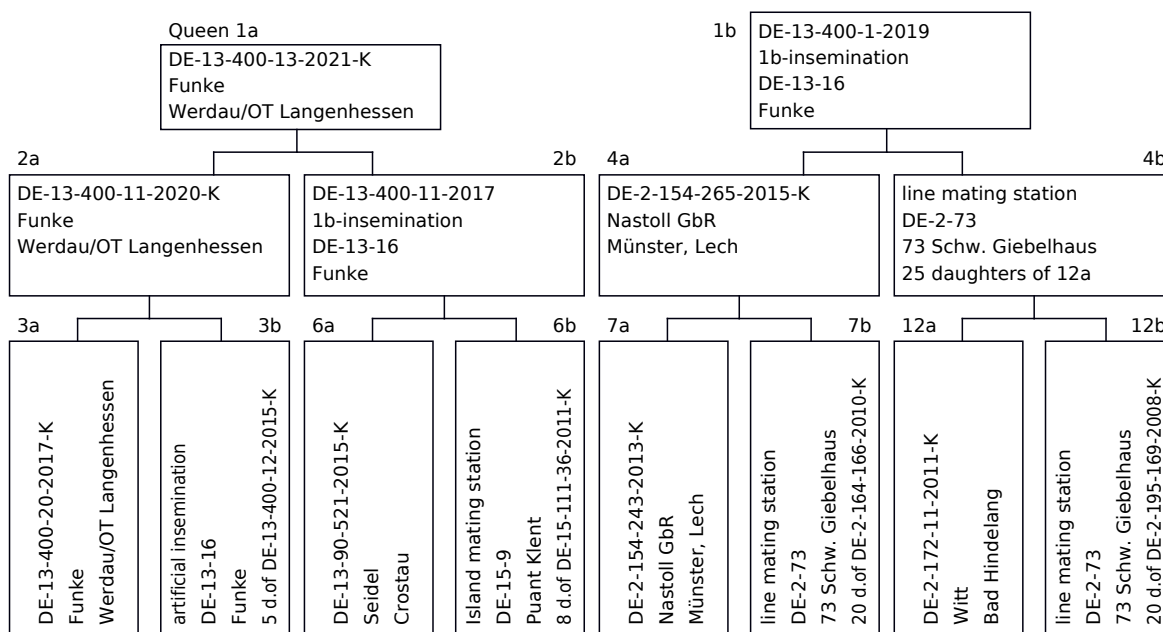


Tester of the queen: Funke, Thomas, 08412 Werdau/OT Langenhessen, DE-13-400, Apiary 2
 Breeder of the queen: Funke, Thomas, 08412 Werdau/OT Langenhessen, DE-13-400
1a Studbook number: **DE-13-400-13-2021-K**

Race line: -CA-Funke Sign: white 72 Daughters of Queen: 9.9%
 Generation: 14 Hatch date: 16.07.2021 Workers: 0.3%

A. Pedigree



B. Own performance

Performance test year	No. of the colony M 22			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	81.5	122.3	1	12	66.6
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	116			
Honey yield	-	124			0.31
Defensive behavior	4	116			0.44
Steadiness on comb	4	118			0.44
Swarming drive	4	108			0.38
Varroa	-	107			0.38
Performance index	-	119			0.31
Robustness in winter	4		70%	100%	170%
Development in Spring	4				
Colony strength	4				

¹In accordance with the resolution of the breeder convention of 9th April 2011, for the total breeding value, Varroa tolerance is weighted by 40% and honey yield, gentleness, calmness during inspection, and swarming tendency are each weighted by 15%.

C. Performance of the sisters

See page 2

D. Body features, see appendix

See attached characteristic documents:

E. Results

Class A

Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

Breeding selection report DE-13-400-13-2021-K

Page 2

Performance of the sisters

Amount of checked sisters: 10

Studbook number	Tester of the queen	Apiary	Total breeding value	Yield kg	Breeding Value Honey	Defensive behavior	Breeding Value Defensive	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-13-400-13-2021-K	DE-13-400	2	116	81.5	124	4	116	4	118	4	108	107	119
DE-13-400-14-2021	DE-13-400	2	116	79	124	4	116	4	118	4	108	106	119
DE-13-400-15-2021	DE-13-400	2	115	76.5	123	4	116	4	118	3.8	107	106	118
DE-13-400-16-2021	DE-13-400	2	115	73.5	122	4	116	4	118	3.5	106	106	118
DE-13-400-17-2021	DE-13-400	2	115	69	121	4	116	4	118	3.5	106	107	117
DE-13-400-18-2021	DE-13-400	2	114	65.5	119	4	116	3.9	117	3.4	105	106	116
DE-13-400-19-2021	DE-13-400	2	114	59.5	118	4	116	3.9	117	3.3	104	106	116
DE-13-400-20-2021	DE-13-400	2	115	58	118	3.9	116	4	118	3.4	105	107	116
DE-13-400-21-2021	DE-13-400	2	113	54.5	116	3.9	114	3.6	115	3	102	106	113
DE-13-400-22-2021	DE-13-400	2	111	49.5	115	3.5	112	3.6	113	3	102	106	112