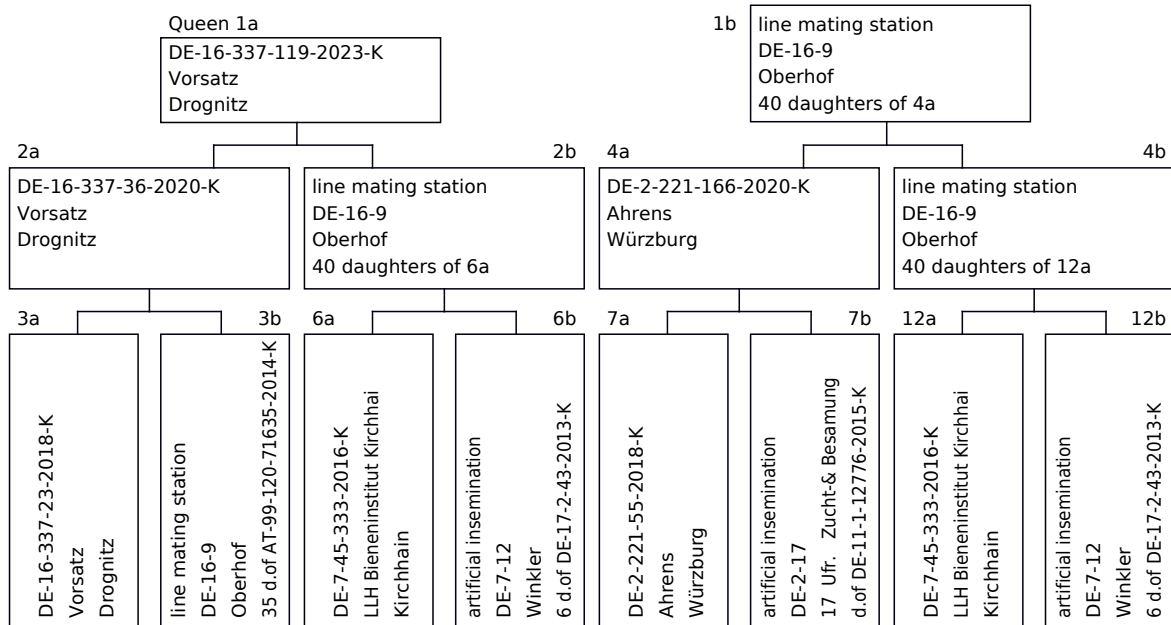


Tester of the queen: Ortlepp, Jörg, 99330 Crawinkel, DE-16-361, Apiary 1
 Breeder of the queen: Vorsatz, Günter, 07338 Drognitz, DE-16-337
1a Studbook number: **DE-16-337-119-2023-K**

Race line: Sign: red 85 Daughters of Queen: 0.8%
 Generation: Hatch date: Workers: 6.4%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	61	142.6	1	9	42.8
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	122			
Honey yield	-	117			0.48
Defensive behavior	4	125			0.55
Steadiness on comb	4	127			0.54
Swarming drive	4	111			0.48
Varroa	-	113			0.5
Performance index	-	124			0.48
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength	3.50				

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 Av

Selected for Varroa tolerance. Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations.

Breeding selection report DE-16-337-119-2023-K

Page 2

Performance of the sisters

Amount of checked sisters: 6

Studbook number	Tester of the queen	Apiary	Total breeding value	Yield kg	Breeding Value Honey	Defensive behavior	Breeding Value Defensive Behavior	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-16-337-116-2023	DE-16-40	1	113		112		112		112		107	107	114
DE-16-337-111-2023-K	DE-16-318	1	116		114		116		116		109	110	116
DE-16-337-112-2023	DE-16-351	1	114		112		115		114		108	107	115
DE-16-337-110-2023	DE-16-361	1	110	48	114	3	107	1.5	103	4	108	106	109
DE-16-337-119-2023-K	DE-16-361	1	122	61	117	4	125	4	127	4	111	113	124
DE-16-337-121-2023	DE-16-380	1	114		110		116		114		107	109	114