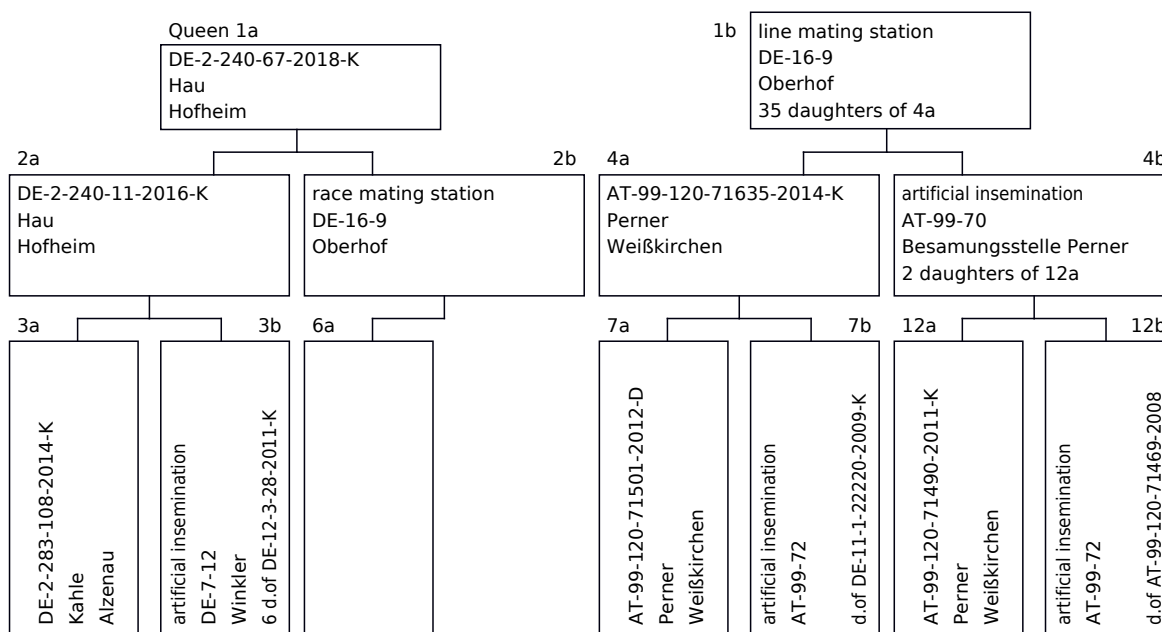


Tester of the queen: Hau, Renate, 97461 Hofheim, DE-2-240, Apiary 5
 Breeder of the queen: Hau, Renate, 97461 Hofheim, DE-2-240
1a Studbook number: **DE-2-240-67-2018-K**

Race line: -C Sign: red 67 Daughters of Queen: 1.5%
 Generation: Hatch date: 30.05.2018 Workers: 0.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	47	107	3	11	43.9
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	125			
Honey yield	-	124			0.4
Defensive behavior	3	121			0.52
Steadiness on comb	4	128			0.51
Swarming drive	3	119			0.4
Varroa	-	113			0.27
Performance index	-	126			0.47
Robustness in winter	4		70%	100%	170%
Development in Spring	3				
Colony strength	3				

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-2-240-67-2018-K

Page 2

Performance of the sisters

Amount of checked sisters: 7

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-2-240-28-2018	DE-2-240	5	122	43	118	3	118	3	118	4	118	113	121
DE-2-240-30-2018	DE-2-240	5	121	49	121	4	124	3	122	3	117	108	124
DE-2-240-33-2018	DE-2-240	5	120	43	118	3	116	3	118	4	123	108	121
DE-2-240-67-2018-K	DE-2-240	5	125	47	124	3	121	4	128	3	119	113	126
DE-2-240-68-2018-K	DE-2-240	5	121	46	120	3	116	3	118	4	123	110	122
DE-2-240-88-2018	DE-2-240	5	122	47	121	3	116	3	118	3	118	113	120
DE-2-240-89-2018-K	DE-2-240	5	127	46	122	4	130	4	132	4	124	109	130