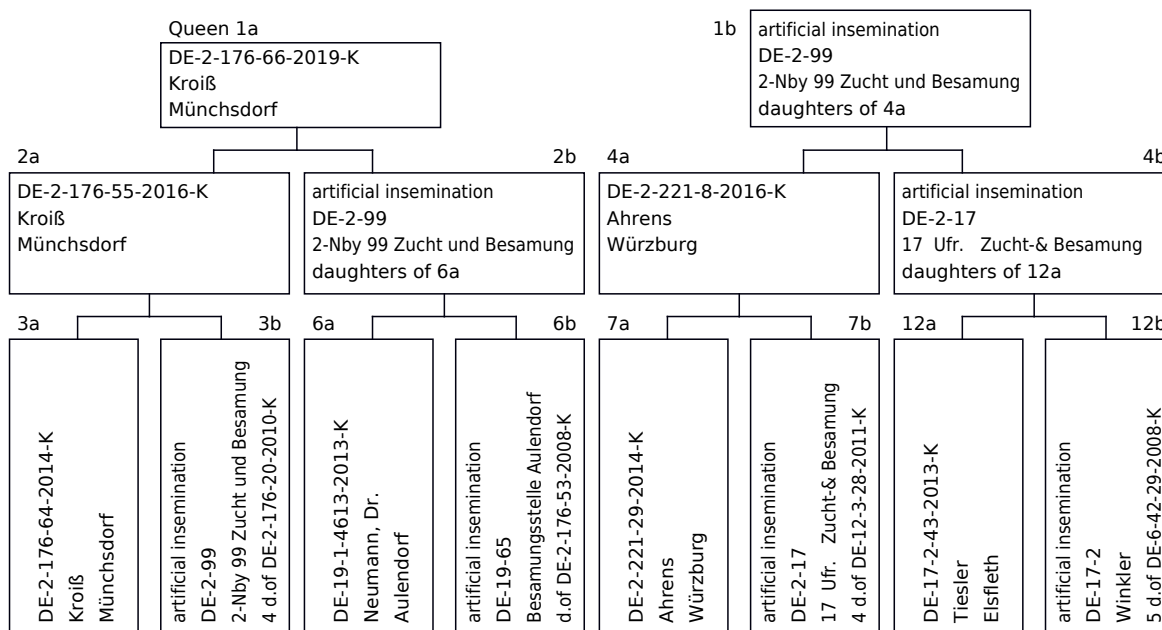


Tester of the queen: Kroiß, Alois, 94439 Münchsdorf, DE-2-176, Apiary 4
 Breeder of the queen: Kroiß, Alois, 94439 Münchsdorf, DE-2-176
1a Studbook number: **DE-2-176-66-2019-K**

Race line: Sign: green Daughters of Queen: 2.1%
 Generation: Hatch date: Workers: 1.2%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 9			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	69	133.1	1	28	51.9
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	122			
Honey yield	-	128			0.39
Defensive behavior	4	113			0.49
Steadiness on comb	4	117			0.49
Swarming drive	4	109			0.34
Varroa	-	117			0.42
Performance index	-	120			0.39
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength					

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-2-176-66-2019-K

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Performance of the sisters

Amount of checked sisters: 8

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 index
DE-2-176-61-2019-K	DE-2-176	4	122	54	123	4	113	4	117	4	109	118	118
DE-2-176-63-2019-K	DE-2-176	4	122	66	127	4	113	4	117	4	109	118	119
DE-2-176-64-2019	DE-2-176	4	119	42	119	3.9	112	3.9	115	4	108	115	116
DE-2-176-65-2019	DE-2-176	4	116	43	120	4	114	4	117	4	108	109	117
DE-2-176-66-2019-K	DE-2-176	4	122	69	128	4	113	4	117	4	109	117	120
DE-2-176-67-2019-K	DE-2-176	4	121	61	126	4	113	4	117	4	109	117	119
DE-2-176-68-2019	DE-2-176	4	118	41	118	3.7	110	3.7	113	4	107	116	114
DE-2-176-69-2019	DE-2-176	4	119	49	121	3.8	111	3.8	114	4	108	116	116