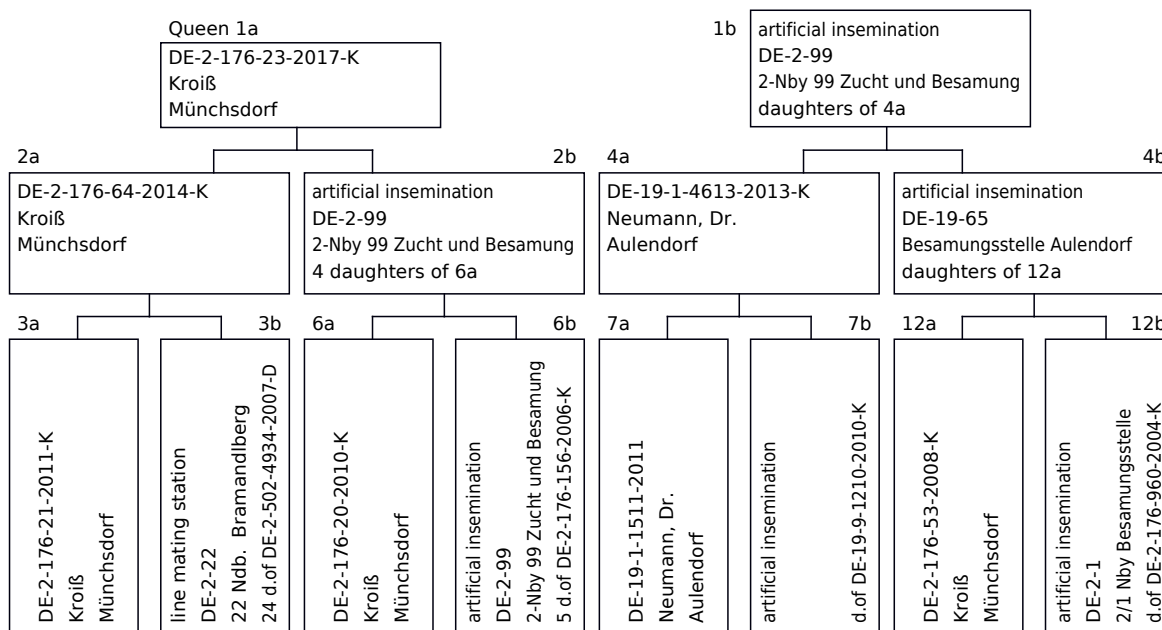


Tester of the queen: Kroiß, Alois, 94439 Münchsdorf, DE-2-176, Apiary 4
 Breeder of the queen: Kroiß, Alois, 94439 Münchsdorf, DE-2-176
1a Studbook number: **DE-2-176-23-2017-K**

Race line: Sign: yellow
 Generation: Hatch date: Daughters of Queen: 7.3%
 Workers: 2.0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	31	109.8	12	29	28.2
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	116			
Honey yield	-	112			0.41
Defensive behavior	3.60	108			0.63
Steadiness on comb	3.60	109			0.63
Swarming drive	4	100			0.38
Varroa	-	119			0.35
Performance index	-	0			
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-2-176-23-2017-K

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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-2-176-22-2017	DE-2-176	4	108	39	116	4	Behavior	4	109	4	100	103	109
DE-2-176-23-2017-K	DE-2-176	4	116	31	112	3.6	108	3.6	109	4	100	119	
DE-2-176-24-2017	DE-2-176	4	100	39	116	3	94	3	96	4	94	99	100
DE-2-176-28-2017	DE-2-176	4	107	41	117	3.8	105	3.8	107	4	96	104	107
DE-2-176-51-2016-K	DE-2-176	4	119	59	114	4	119	4	119	4	103	114	
DE-2-176-52-2016	DE-2-176	4	112	48	109	3.6	105	3.5	105	4	100	117	
DE-2-176-53-2016-K	DE-2-176	4	123	68	119	4	118	4	119	4	103	120	
DE-2-176-54-2016-K	DE-2-176	4	116	79	124	3.5	101	3.5	102	4	101	120	
DE-2-176-55-2016-K	DE-2-176	4	122	70	120	4	118	4	119	4	103	117	
DE-2-176-56-2016	DE-2-176	4	112	63	116	3.5	102	3.5	103	4	100	115	