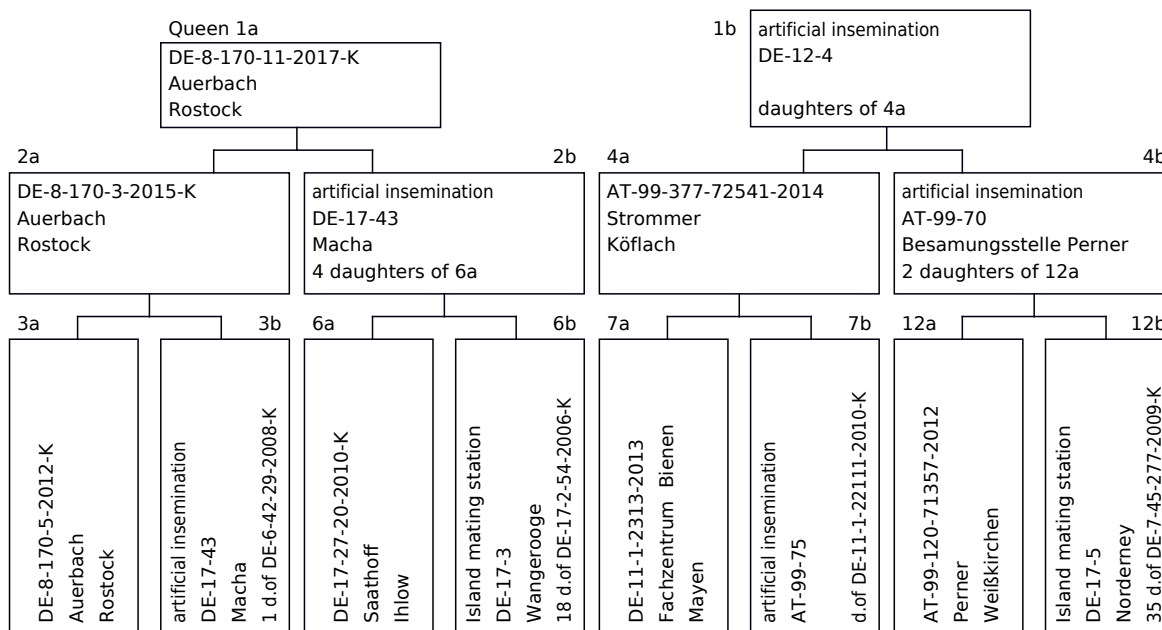


Tester of the queen: Auerbach, Resi, 18146 Rostock, DE-8-170, Apiary 1
 Breeder of the queen: Auerbach, Resi, 18146 Rostock, DE-8-170
1a Studbook number: **DE-8-170-11-2017-K**

Race line: -16 Sign: yellow 77 Daughters of Queen: 2.0%
 Generation: 6 Hatch date: 26.05.2017 Workers: 1.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 6			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	74	115.2	1	16	64.3
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	105	█		
Honey yield	-	119	██		0.37
Defensive behavior	4	102	█		0.58
Steadiness on comb	3.50	101	█		0.58
Swarming drive	4	105	█		0.33
Varroa	-	98*	█		0.3
Performance index	-	0			
Robustness in winter	4	70% 100% 170%			
Development in Spring	3.50				
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%.

Only one Varroa trait was recorded

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-8-170-11-2017-K

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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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-8-170-3-2017	DE-8-170	1	107	62	100	3.5	Behavior	4	100	4	100	111*	
DE-8-170-8-2017	DE-8-170	1	109	71	114	4	103	3.5	inspection 102	4	105	108*	
DE-8-170-11-2017-K	DE-8-170	1	105	74	119	4	102	3.5	101	4	105	98*	
DE-8-170-12-2017	DE-8-170	1	105	68	109	4	103	3.5	102	4	104	101*	
DE-8-170-13-2017	DE-8-170	1	107	68	109	4	103	3.5	102	4	104	104*	
DE-8-170-14-2017	DE-8-170	1	103	66	106	4	104	3.5	103	4	104	98*	

Only one Varroa trait was recorded