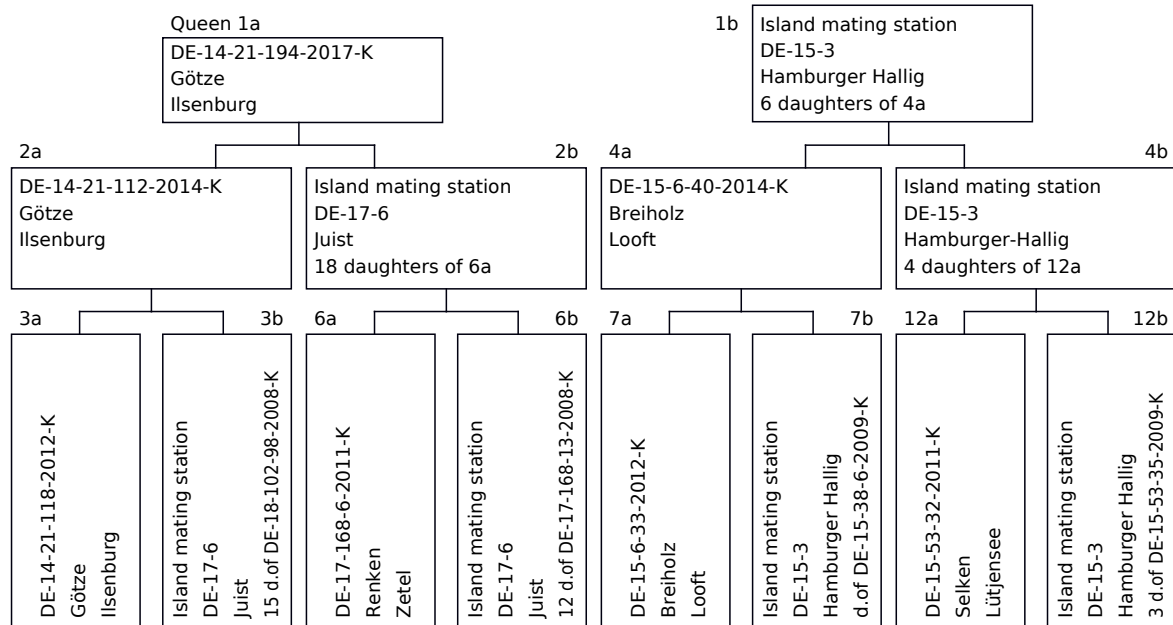


Tester of the queen: Götze, Wilfried, 38871 Ilsenburg, DE-14-21, Apiary 2
 Breeder of the queen: Götze, Wilfried, 38871 Ilsenburg, DE-14-21
1a Studbook number: **DE-14-21-194-2017-K**

Race line: -10 Sign: yellow 74 Daughters of Queen: 2.2%
 Generation: 4 Hatch date: 13.06.2017 Workers: 1.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony PL 25			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	98	167.4	1	9	58.6	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	115				
Honey yield	-	128				0.39
Defensive behavior	3.80	111				0.59
Steadiness on comb	3.80	111				0.59
Swarming drive	4	111				0.35
Varroa	-	102				0.22
Performance index	-	0				
Robustness in winter	4					
Development in Spring	4					
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%.

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-14-21-194-2017-K

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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 index
DE-14-21-184-2017	DE-2-365	1	105		109		109		109		109	101*	
DE-14-21-191-2017	DE-2-365	1	101		108		104		104		103	(91)	105
DE-14-21-194-2017-K	DE-14-21	2	115	98	128	3.8	111	3.8	111	4	111	102	
DE-14-21-195-2017-K	DE-14-21	2	111	79	117	3.7	110	3.8	111	4	109	100	
DE-14-140-439-2017-K	DE-14-140	1	114		109		114		115		108	106*	
DE-14-140-444-2017	DE-14-140	1	93		103		88		91		97	91*	94
DE-14-140-446-2017	DE-14-140	1	90		106		85		87		97	88*	92

Only one Varroa trait was recorded