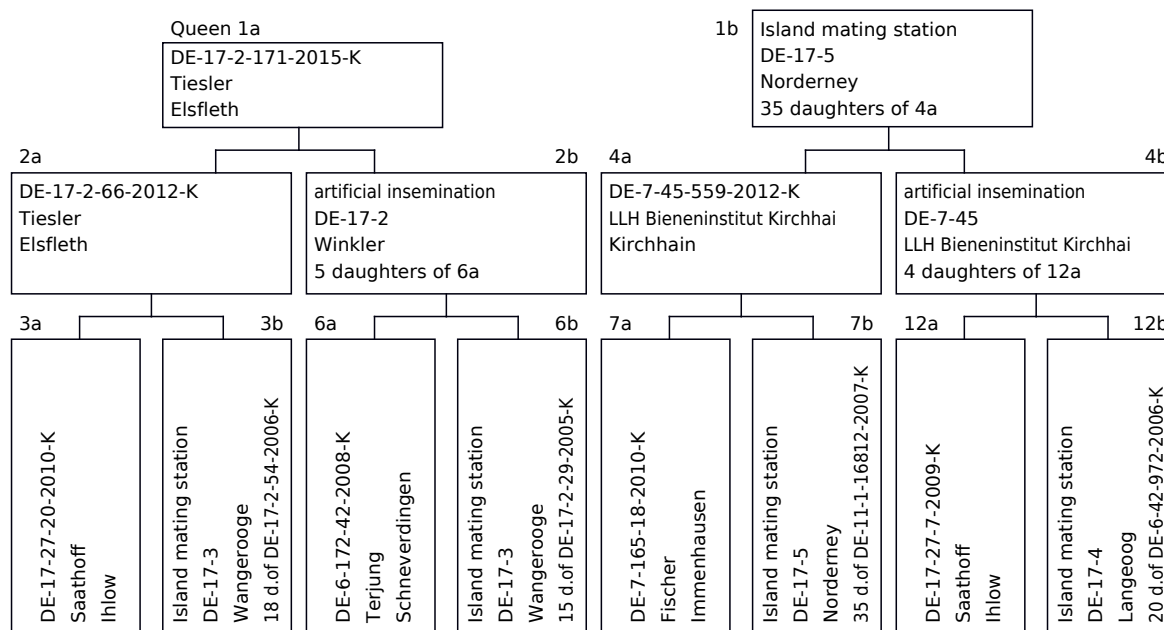


Tester of the queen: Becker, Regina, Deternerlehe, DE-17-238, Apiary 4
 Breeder of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2
1a Studbook number: **DE-17-2-171-2015-K**

Race line: -23 Sign: blue 91 Daughters of Queen: 1.1%
 Generation: 2 Hatch date: 25.5.2015 Workers: 1.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony S113			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	50.7	141.7	3	19	35.8
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	125			
Honey yield	-	116			0.43
Defensive behavior	3.90	108			0.64
Steadiness on comb	3.70	104			0.67
Swarming drive	4	113			0.43
Varroa	-	134			0.54
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring	2				
Colony strength	3.50				

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-17-2-171-2015-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-17-2-118-2015	DE-17-2	1	109		108		109		109		109	106	
DE-17-2-120-2015	DE-17-2	2	118		104		106		105		109	127	
DE-17-2-121-2015	DE-17-2	2	118		100		106		102		108	129	
DE-17-2-123-2015	DE-17-2	2	114		98		106		103		109	122	
DE-17-2-124-2015-D	DE-17-2	2	104		109		103		104		119	95	
DE-17-2-119-2015	DE-17-238	4	108	28	99	3.8	103	3.7	102	4	112	110	
DE-17-2-122-2015-K	DE-17-238	4	118	41.3	111	4	116	4	116	4	122	111	
DE-17-2-171-2015-K	DE-17-238	4	125	50.7	116	3.9	108	3.7	104	4	113	134	