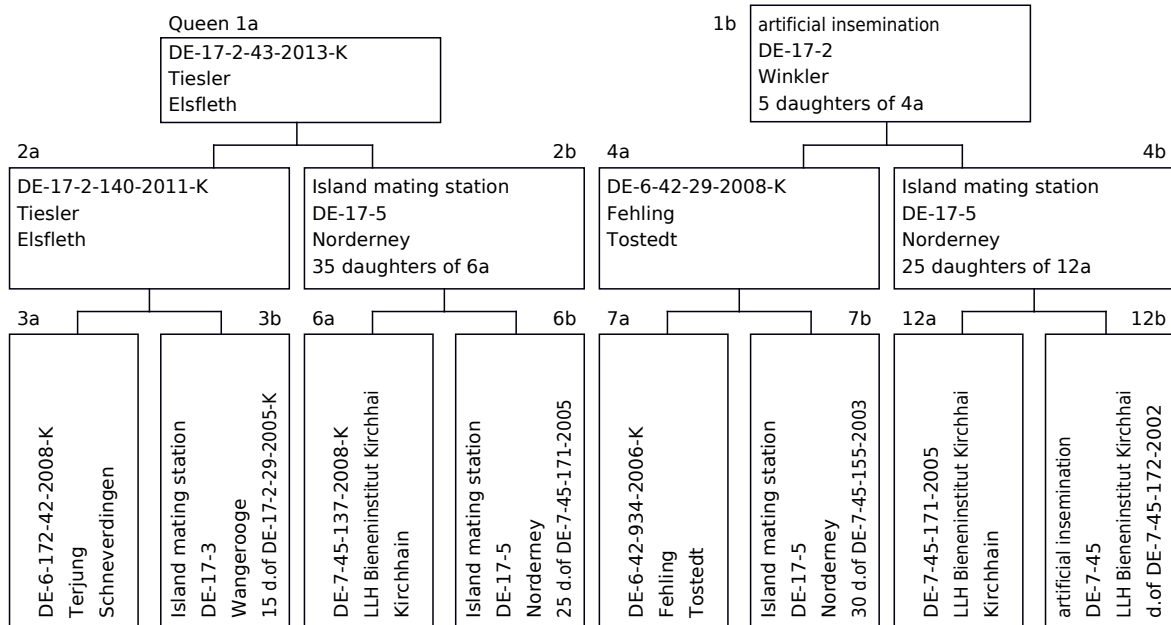


Tester of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2, Apiary 2
 Breeder of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2
1a Studbook number: **DE-17-2-43-2013-K**

Race line: -70 Sign: red 2 Daughters of Queen: 0.2%
 Generation: Hatch date: 27.05.2013 Workers: 3.9%

A. Pedigree



B. Own performance

Performance test year	No. of the colony S104			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	64.7	110.1	9	19	58.8
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	133			
Honey yield	-	114			0.44
Defensive behavior	4	126			0.65
Steadiness on comb	4	123			0.68
Swarming drive	4	115			0.44
Varroa	-	134			0.55
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring	2.50				
Colony strength	3				

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-17-2-43-2013-K

Page 2

Performance of the sisters

Amount of checked sisters: 5

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-17-2-41-2013-D	DE-17-2	1	119	37.4	95	3.9	114	3.9	110	4	116	128	
DE-17-2-44-2013	DE-17-2	1	117	52.4	108	3.9	114	3.9	113	4	116	114	
DE-17-2-47-2013-K	DE-17-2	1	120	58.2	111	3.8	106	3.8	104	4	110	126	
DE-17-2-43-2013-K	DE-17-2	2	133	64.7	114	4	126	4	123	4	115	134	
DE-17-2-48-2013	DE-17-2	4	106	6	102	3.7	109	3.7	110	4	111	101	