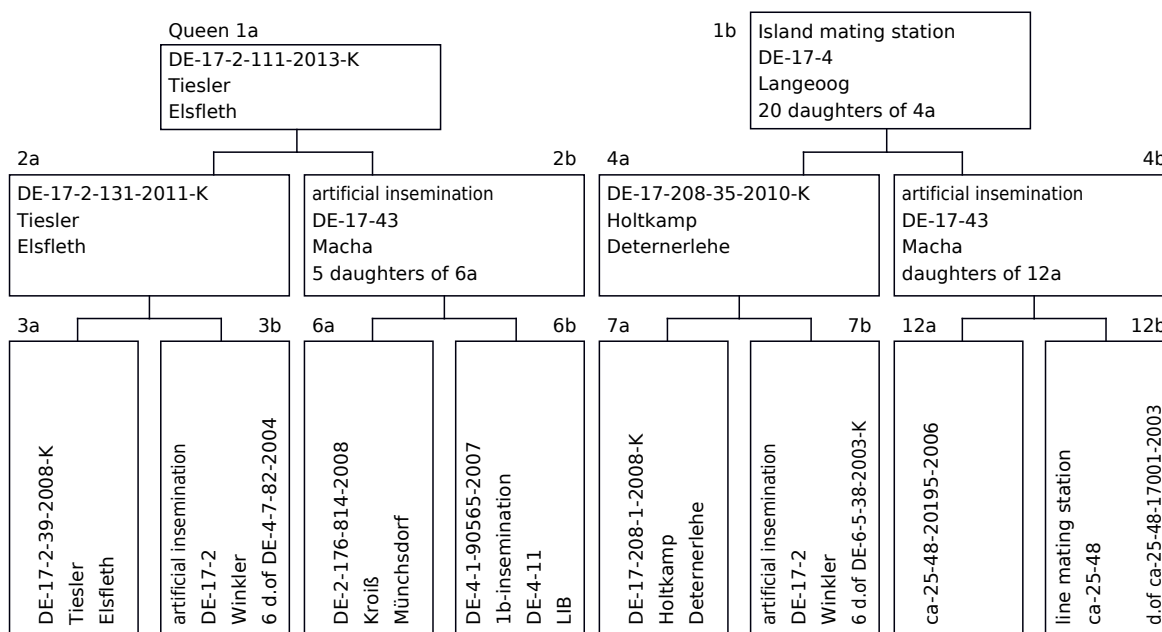


Tester of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2, Apiary 4
 Breeder of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2
1a Studbook number: **DE-17-2-111-2013-K**

Race line: -25 Sign: red 91 Daughters of Queen: 0%
 Generation: Hatch date: 25.05.2013 Workers: 0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony S88			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	19.6	178.5	3	10	11.0
Assessment*	Breeding values				Reliability
Total breeding value¹	-	127			
Honey yield	-	114			0.41
Defensive behavior	3.90	117			0.61
Steadiness on comb	3.80	115			0.64
Swarming drive	4	111			0.42
Varroa	-	131			0.52
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring	3.50				
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-17-2-111-2013-K

Page 2

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-17-2-116-2013	DE-17-2	1	116	54.1	109	3.9	109	3.9	109	2	109	119	
DE-17-2-113-2013-K	DE-17-2	2	119	73	119	3.9	111	3.8	110	4	114	117	
DE-17-2-114-2013	DE-17-2	2	103	71.7	115	3.8	102	3.7	103	4	115	93	
DE-17-2-115-2013-K	DE-17-2	2	115	67.8	113	3.8	106	3.8	104	4	109	117	
DE-17-2-112-2013	DE-17-2	3	100	5	102	3.6	103	3.6	103	4	108	94	
DE-17-2-111-2013-K	DE-17-2	4	127	19.6	114	3.9	117	3.8	115	4	111	131	
DE-17-2-117-2013	DE-17-135	1	116		111		103		100		107	124	
DE-17-2-144-2013	DE-17-159	3	98		107		107		109		116	81	