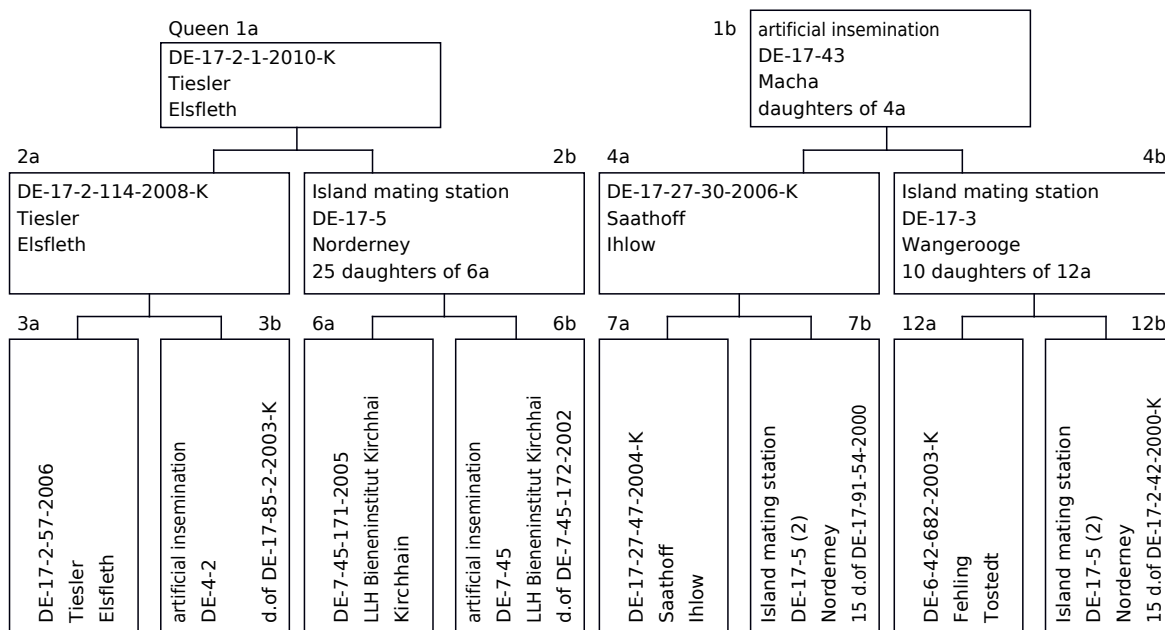


Tester of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2, Apiary 4
Breeder of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2
1a Studbook number: **DE-17-2-1-2010-K**

Race line: -22 Sign: blue 56 Daughters of Queen: 0.1%
Generation: Hatch date: Workers: 1.3%

A. Pedigree



B. Own performance

Performance test year	No. of the colony S126			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	15	136.4	3	16	11
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	120			
Honey yield	-	109			0.43
Defensive behavior	4	118			0.64
Steadiness on comb	4	117			0.66
Swarming drive	4	118			0.41
Varroa	-	(116)			0.28
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring	2.50				
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%.

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-17-2-1-2010-K

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Performance of the sisters

Amount of checked sisters: 10

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-17-2-5-2010	DE-17-2	1	111	52.7	96	4	Behavior	4	during	4	drive	108	
DE-17-2-6-2010	DE-17-2	1	101	36	81	4	107	3.9	inspection	4	109	101	
DE-17-2-8-2010	DE-17-2	1	108	39.1	81	3.8	92	3.8	87	4	95	133	
DE-17-2-1-2010-K	DE-17-2	4	120	15	109	4	118	4	117	4	118	(116)	
DE-17-2-2-2010	DE-17-2	4	100	10	99	3.5	92	3.5	91	4	104	(106)	
DE-17-2-3-2010	DE-17-2	4	120	15	109	4	118	4	117	4	118	(116)	
DE-17-85-60-2010	DE-17-85	1	117		111		115		114		117	112	
DE-17-85-61-2010	DE-17-85	1	115		108		115		114		116	110	
DE-17-85-62-2010	DE-17-85	1	113		107		115		115		117	105	
DE-17-85-63-2010	DE-17-85	1	120		109		115		113		114	119	