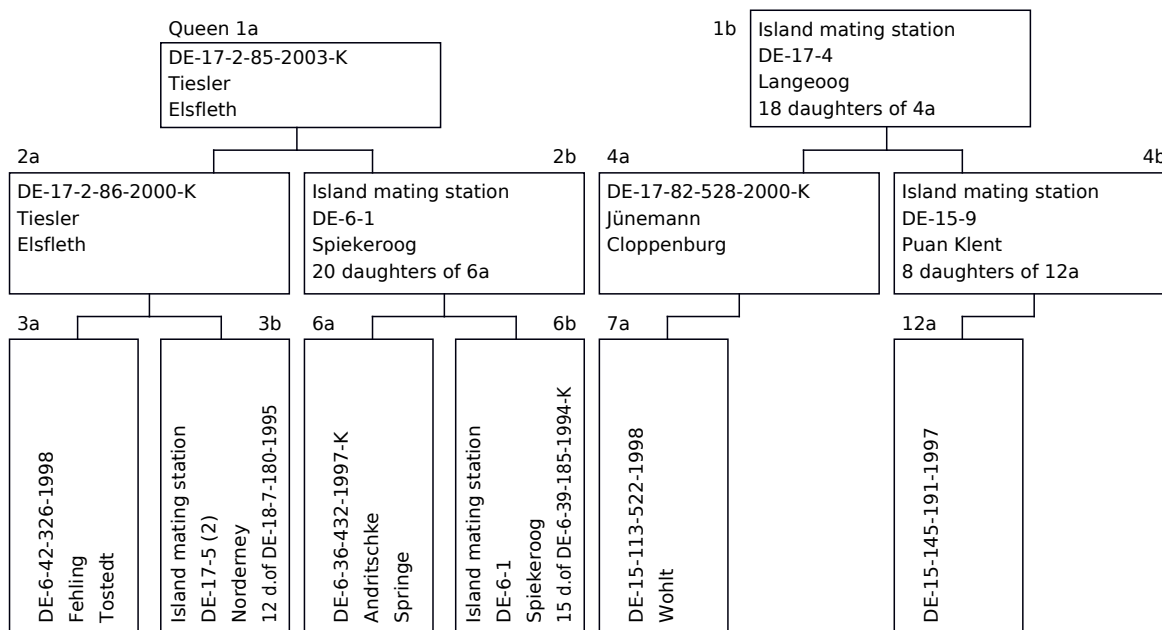


Tester of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2, Apiary 1
 Breeder of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2
1a Studbook number: **DE-17-2-85-2003-K**

Race line: -22 Sign: red Daughters of Queen: 0%
 Generation: Hatch date: Workers: 0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	54.6	161	6	57	33.9
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	111			
Honey yield	-	108			0.49
Defensive behavior	3.60	100			0.68
Steadiness on comb	3.60	98			0.7
Swarming drive	4	102			0.49
Varroa	-	119*			0.57
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring	3.50				
Colony strength	1.50				

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%.

Only one Varroa trait was recorded

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-17-2-85-2003-K

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Performance of the sisters

Amount of checked sisters: 13

Studbook number	Tester of the queen	Apiary	Total breeding value	Yield kg	Breeding Value Honey	Defensive behavior	Breeding Value Defensive	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-6-172-10-2003	DE-6-172	1	99		93		Behavior		99		102	102*	
DE-6-172-9-2003	DE-6-172	2	99		94		107		108		109	92*	
DE-6-172-11-2003	DE-6-172	2	87		87		91		91		95	87*	
DE-6-172-12-2003	DE-6-172	2	91		90		91		90		93	96*	
DE-6-172-13-2003	DE-6-172	2	104		94		105		104		107	104*	
DE-6-172-14-2003	DE-6-172	2	111		109		109		108		110	109*	
DE-6-172-15-2003	DE-6-172	2	111		108		118		119		122	96*	
DE-6-172-16-2003	DE-6-172	2	108		106		106		105		107	107*	
DE-17-2-83-2003	DE-17-2	1	101	32.7	97	3.6	99	3.6	98	4	103	103*	
DE-17-2-84-2003	DE-17-2	1	110	35	99	3.6	99	3.6	96	4	99	122*	
DE-17-2-85-2003-K	DE-17-2	1	111	54.6	108	3.6	100	3.6	98	4	102	119*	
DE-17-2-98-2003	DE-17-2	1	98	61.3	112	3.6	100	3.6	102	4	112	86*	
DE-17-2-95-2003	DE-17-2	4	101	24.2	107	3.5	101	3.5	101	4	108	(96)	

Only one Varroa trait was recorded