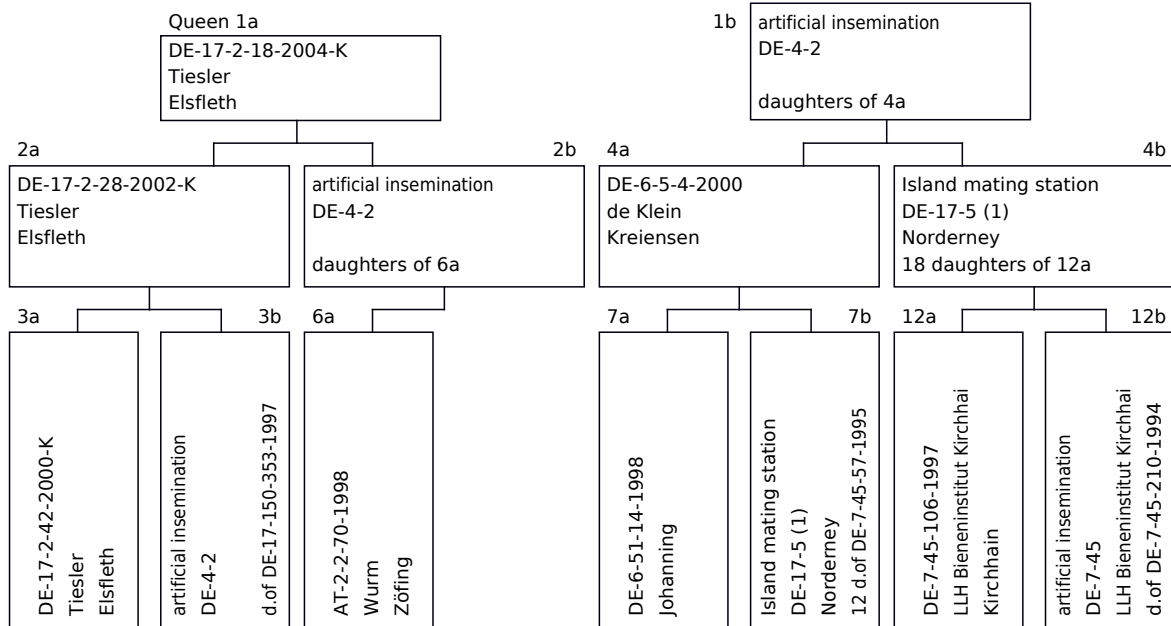


Tester of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2, Apiary 1
 Breeder of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2
1a Studbook number: **DE-17-2-18-2004-K**

Race line: -23 Sign: green 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
	51.4	140.7	9	57	36.5
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	105	■		
Honey yield	-	110	■		0.47
Defensive behavior	3.90	111	■		0.67
Steadiness on comb	3.90	113	■		0.69
Swarming drive	4	119	■		0.46
Varroa	-	90*	■		0.55
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring	3				
Colony strength					

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-17-2-18-2004-K

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Performance of the sisters

Amount of checked sisters: 11

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-17-2-18-2004-K	DE-17-2	1	105	51.4	110	3.9	111	3.9	113	4	119	90*	
DE-17-2-19-2004	DE-17-2	1	100	46.4	107	3.9	112	3.9	115	4	124	78*	
DE-17-2-20-2004	DE-17-2	1	82	30.7	95	3.7	97	3.8	102	4	117	61*	
DE-17-2-23-2004	DE-17-2	1	110	33.2	98	3.8	102	3.8	101	4	108	115*	
DE-17-2-27-2004	DE-17-2	1	100	26.5	95	3.9	107	3.8	108	4	116	90*	
DE-17-2-29-2004	DE-17-2	1	87	39.4	99	3.6	94	3.8	97	4	113	74*	
DE-17-2-31-2004	DE-17-2	1	100	46.9	104	3.8	103	3.8	104	2	103	95*	
DE-17-2-24-2004	DE-17-2	2	95	6.6	100	3.6	102	3.6	104	4	121	80*	
DE-17-2-28-2004	DE-17-2	2	85	6.2	99	3.5	98	3.6	102	4	122	63*	
DE-17-2-32-2004	DE-17-2	2	94	11.7	106	3.7	109	3.7	113	4	129	67*	
DE-17-2-34-2004	DE-17-2	2	105	6	101	3.7	108	3.7	109	4	121	95*	

Only one Varroa trait was recorded