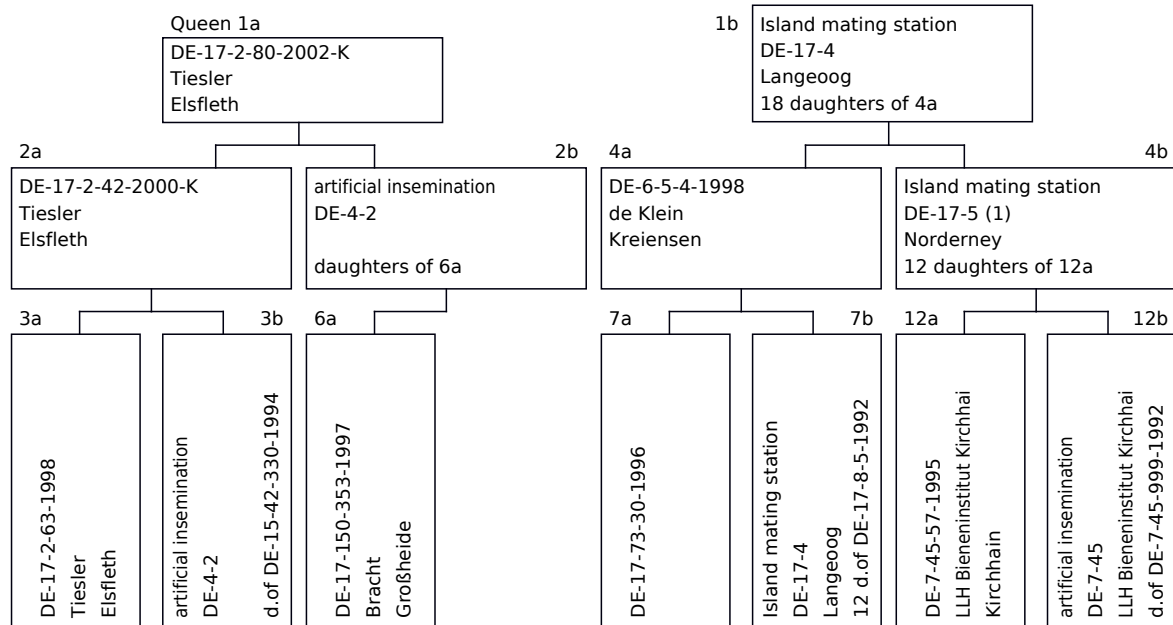


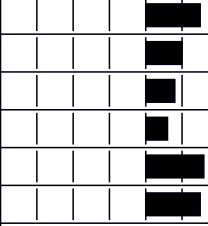
Tester of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2, Apiary 1
 Breeder of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2
1a Studbook number: **DE-17-2-80-2002-K**

Race line: -23 Sign: yellow 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	
	88.2	131.5	3	27	67.1	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	115				
Honey yield	-	110				0.47
Defensive behavior	3.80	108				0.66
Steadiness on comb	3.80	106				0.69
Swarming drive	4	116				0.47
Varroa	-	115*				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 B
 Suitable for breeding.

Breeding selection report DE-17-2-80-2002-K

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Performance of the sisters

Amount of checked sisters: 24

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-17-2-80-2002-K	DE-17-2	1	115	88.2	110	3.8	108	3.8	106	4	116	115*	
DE-17-2-81-2002	DE-17-2	1	107	73.2	97	3.7	102	3.8	inspection 100	2	91	117*	
DE-17-2-82-2002	DE-17-2	1	104	88	109	3.8	108	3.8	108	2	102	98*	
DE-17-2-84-2002	DE-17-2	1	109	89.5	112	3.8	108	3.8	107	4	116	102*	
DE-17-2-86-2002	DE-17-2	1	109	67.3	94	3.8	106	3.8	103	3	96	118*	
DE-17-2-91-2002	DE-17-2	1	95	84.4	106	3.8	107	3.8	109	3	109	78*	
DE-17-2-92-2002	DE-17-2	1	91	61.3	84	3.5	83	3.5	81	3	84	107*	
DE-17-2-93-2002	DE-17-2	1	96	58.6	88	3.8	105	3.8	105	4	110	89*	
DE-17-2-87-2002	DE-17-2	2	102	48	85	3.7	97	3.7	94	2	84	119*	
DE-17-2-90-2002	DE-17-2	2	111	53.7	93	3.9	114	3.9	112	3	99	114*	
DE-17-2-95-2002	DE-17-2	2	112	85.8	111	3.8	104	3.7	102	4	111	112*	
DE-17-2-96-2002	DE-17-2	2	87	51.5	90	3.8	105	3.8	107	4	114	69*	
DE-17-2-97-2002	DE-17-2	2	110	69.6	102	3.8	106	3.8	105	4	109	111*	
DE-17-2-83-2002	DE-17-2	5	110	30.4	97	3.8	106	3.8	103	4	105	114*	
DE-17-2-85-2002	DE-17-2	5	111	35.1	101	3.8	106	3.8	104	4	106	114*	
DE-17-2-89-2002	DE-17-2	6	87	7	83	3.6	99	3.5	100	2	98	82*	
DE-17-27-81-2002	DE-17-27	1	105		103		110		110		113	96*	
DE-17-27-82-2002	DE-17-27	1	110		107		110		109		112	104*	
DE-17-27-83-2002	DE-17-27	1	105		113		111		112		118	90*	
DE-17-27-84-2002	DE-17-27	1	109		106		110		109		112	104*	
DE-17-27-85-2002	DE-17-27	1	122		117		112		110		112	123*	
DE-17-27-86-2002	DE-17-27	1	113		115		111		110		115	106*	
DE-17-27-87-2002	DE-17-27	1	94		97		96		96		88	97*	
DE-17-27-88-2002	DE-17-27	1	93		87		95		94		83	103*	

Only one Varroa trait was recorded