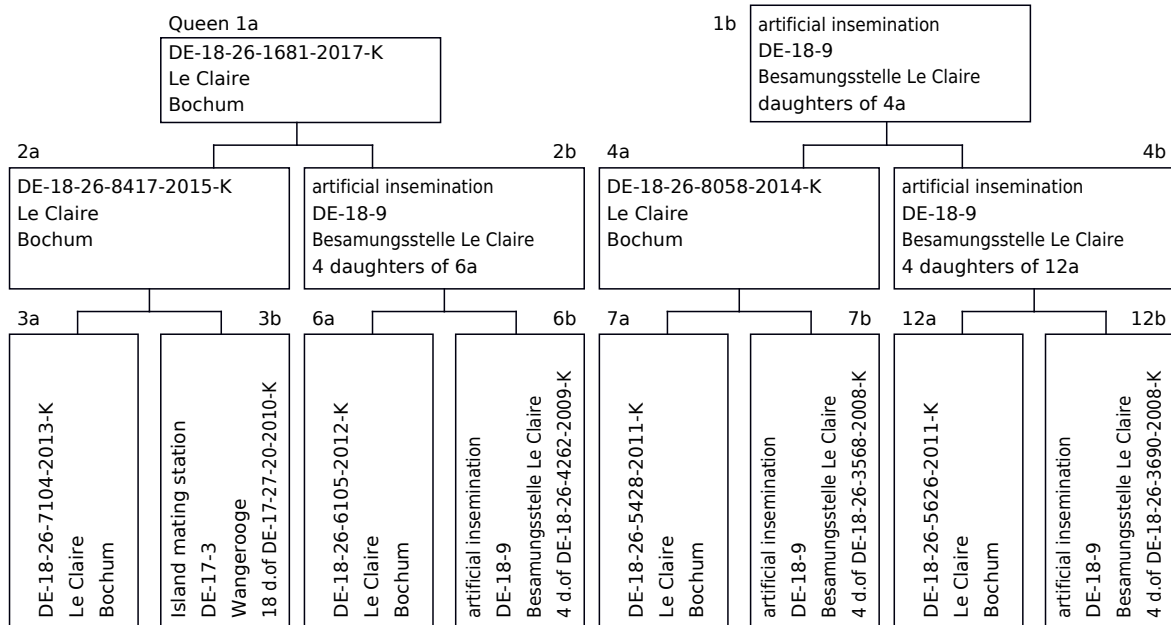


Tester of the queen: Le Claire, Andreas, 44793 Bochum, DE-18-26, Apiary 5
 Breeder of the queen: Le Claire, Andreas, 44793 Bochum, DE-18-26
1a Studbook number: **DE-18-26-1681-2017-K**

Race line: Sign: yellow Daughters of Queen: 1.4%
 Generation: Hatch date: 30.06.2017 Workers: 2.0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	32.5	134.8	4	18	24.1
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	115			
Honey yield	-	119			0.38
Defensive behavior	4	104			0.61
Steadiness on comb	4	105			0.61
Swarming drive	4	107			0.35
Varroa	-	115			0.33
Performance index	-	0			
Robustness in winter	4		70%	100%	170%
Development in Spring	4				
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

none Analysis of race characteristics

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-18-26-1681-2017-K

Page 2

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 Behavior	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-18-26-562-2017	AT-99-240	2	105		108		Behavior		103		103	103	
DE-18-26-1685-2017-K	DE-18-26	2	116	32.7	119	3.5	100	3.8	103	4	111	117	
DE-18-26-1688-2017-K	DE-18-26	2	119	29.1	117	4	108	4	110	4	112	117	
DE-18-26-1640-2017-K	DE-18-26	3	111	31.7	116	3.8	99	3.8	101	4	107	112	
DE-18-26-1683-2017-K	DE-18-26	3	109	27.9	113	4	104	3.9	105	4	108	105	
DE-18-26-1660-2017-K	DE-18-26	4	118	33.6	118	3.5	100	3.9	103	4	109	124	
DE-18-26-1661-2017-K	DE-18-26	4	116	25.5	112	4	107	4	109	4	109	115	
DE-18-26-1641-2017-K	DE-18-26	5	98	33.8	120	3.5	88	3.8	92	4	105	94	
DE-18-26-1642-2017-K	DE-18-26	5	113	22.7	111	4	105	4	106	4	106	113	
DE-18-26-1681-2017-K	DE-18-26	5	115	32.5	119	4	104	4	105	4	107	115	
DE-18-26-1682-2017	DE-18-26	5	94	19.2	109	3.5	85	3.5	86	1	77	109	