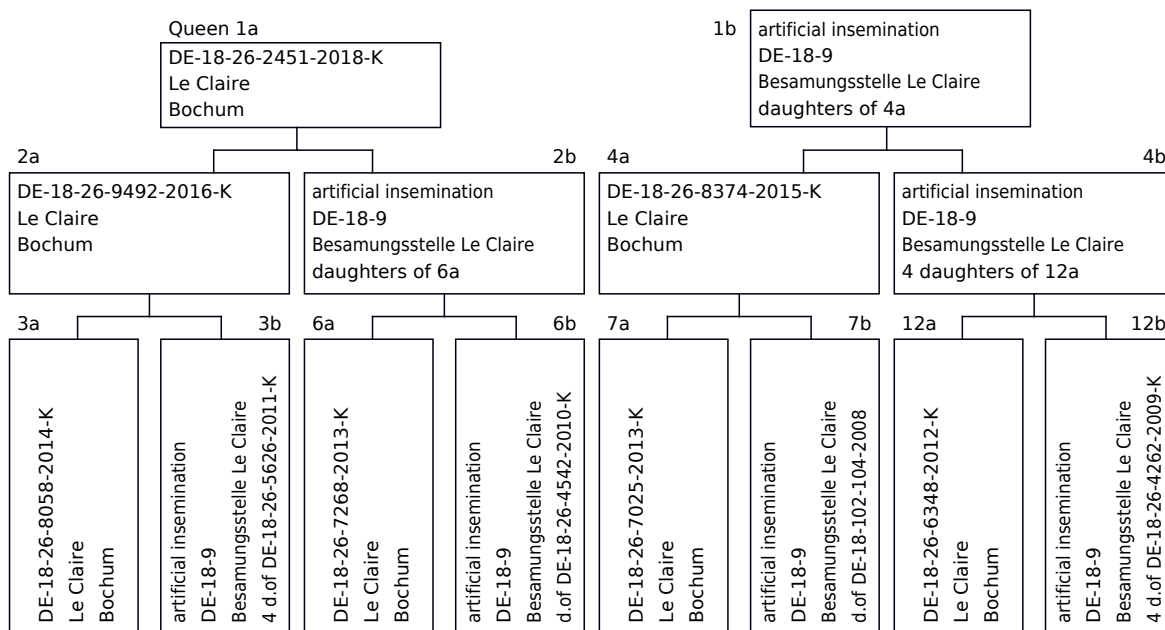


Tester of the queen: Le Claire, Andreas, 44793 Bochum, DE-18-26, Apiary 4
 Breeder of the queen: Le Claire, Andreas, 44793 Bochum, DE-18-26
1a Studbook number: **DE-18-26-2451-2018-K**

Race line: Sign: red 51 Daughters of Queen: 1.9%
 Generation: Hatch date: 01.06.2018 Workers: 2.9%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 22			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	58.3	103.1	8	25	56.5	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	105	■			
Honey yield	-	111	■			0.34
Defensive behavior	4	101	■			0.5
Steadiness on comb	4	106	■			0.5
Swarming drive	4	102	■			0.36
Varroa	-	99	■			0.27
Performance index	-	105	■			0.37
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 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-18-26-2451-2018-K

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Performance of the sisters

Amount of checked sisters: 7

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 ndex
DE-18-26-59-2018	DE-15-69	1	101		111		Behavior		109		109	96	102
DE-18-26-2475-2018	DE-18-26	2	105	38.8	107	4	104	4	109	3	100	100	105
DE-18-26-2451-2018-K	DE-18-26	4	105	58.3	111	4	101	4	106	4	102	99	105
DE-18-26-2461-2018-K	DE-18-26	4	104	52.8	109	3.9	99	3.9	105	4	102	100	103
DE-18-26-2465-2018	DE-18-26	4	104	54.6	110	4	101	4	106	4	102	97	105
DE-18-26-2471-2018	DE-18-26	4	105	47.1	107	4	101	4	106	4	102	100	104
DE-18-26-2445-2018	DE-18-26	5	95	40.5	105	3	90	3	95	1	86	96	92