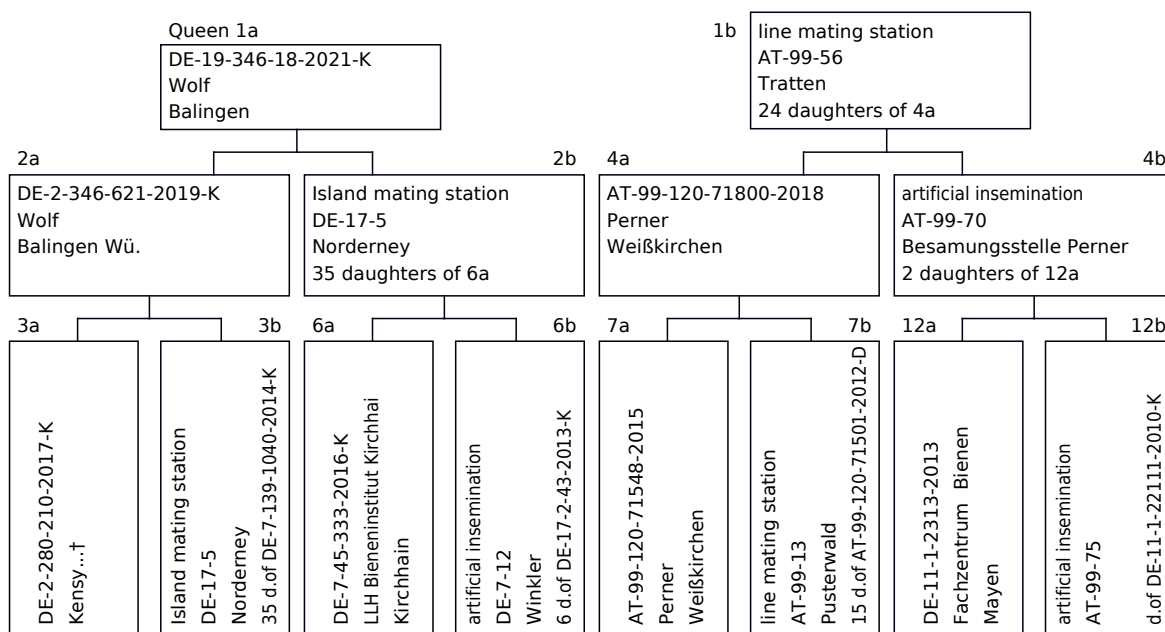


Tester of the queen: Wolf, Christian, 72336 Balingen, DE-19-346, Apiary 2
 Breeder of the queen: Wolf, Christian, 72336 Balingen, DE-19-346
1a Studbook number: **DE-19-346-18-2021-K**

Race line: Sign: white
 Generation: 2 Hatch date: Daughters of Queen: 6.4%
 Workers: 1.7%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 57			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	32.4	122.5	2	6	26.5
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	115			
Honey yield	-	113			0.44
Defensive behavior	3.50	102			0.53
Steadiness on comb	3	101			0.53
Swarming drive	4	111			0.41
Varroa	-	119			0.5
Performance index	-	108			0.44
Robustness in winter	4		70%	100%	170%
Development in Spring	3.50				
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

See attached characteristic documents:

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-19-346-18-2021-K

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Performance of the sisters

Amount of checked sisters: 6

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-19-346-708-2021	AT-99-697	1	112		113		109		109		108	112	108
DE-19-346-714-2021	AT-99-697	1	110		107		98		98		108	115	103
DE-19-346-645-2021	DE-19-346	1	111	88.4	114	3.2	98	3	98	3	106	115	105
DE-19-346-649-2021	DE-19-346	1	113	71.6	112	3.5	101	3	100	4	113	116	107
DE-19-346-18-2021-K	DE-19-346	2	115	32.4	113	3.5	102	3	101	4	111	119	108
DE-19-346-22-2021	DE-19-346	2	113	20.8	108	3.3	101	3	101	4	110	118	106