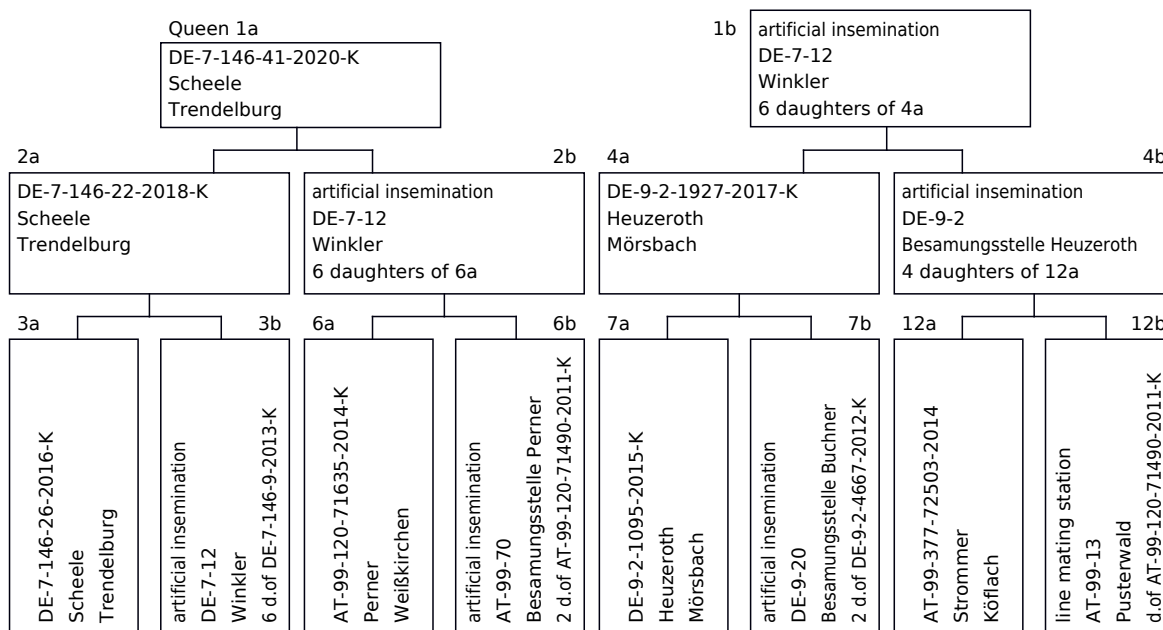


Tester of the queen: Scheele, Wolfgang, 34388 Trendelburg, DE-7-146, Apiary 1
 Breeder of the queen: Scheele, Wolfgang, 34388 Trendelburg, DE-7-146
1a Studbook number: **DE-7-146-41-2020-K**

Race line: -70 Sign: blue 9 Daughters of Queen: 0.2%
 Generation: 14 Hatch date: 09.06.2020 Workers: 2.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 11			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	61	87	8	13	70.1
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	110			
Honey yield	-	105			0.38
Defensive behavior	3.60	108			0.48
Steadiness on comb	3.50	108			0.48
Swarming drive	4	106			0.36
Varroa	-	109			0.44
Performance index	-	108			0.38
Robustness in winter	3		70%	100%	170%
Development in Spring	3.50				
Colony strength	3				

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-7-146-41-2020-K

Page 2

Performance of the sisters

Amount of checked sisters: 15

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-7-146-32-2020	DE-7-146	1	107	31.8	101	3.1	101	3.1	107	4	105	110	103
DE-7-146-33-2020	DE-7-146	1	108	39.3	102	3	101	3.1	102	4	103	111	102
DE-7-146-35-2020	DE-7-146	1	113	51.7	104	3.4	106	3.4	107	4	105	116	106
DE-7-146-36-2020	DE-7-146	1	110	34.2	102	3.5	108	3.5	108	4	105	109	107
DE-7-146-40-2020	DE-7-146	1	109	85.4	107	3.6	106	3.1	104	4	105	108	106
DE-7-146-41-2020-K	DE-7-146	1	110	61	105	3.6	108	3.5	108	4	106	109	108
DE-7-146-43-2020-K	DE-7-146	1	110	75.5	106	3.1	101	3	101	4	103	114	103
DE-7-146-47-2020-K	DE-7-146	1	115	91.5	109	4	112	3.6	111	4	107	115	111
DE-7-146-34-2020**	DE-7-146	2	111		(106)		(106)		(106)		(105)	(112)	107
DE-7-146-37-2020	DE-7-146	2	111	29.1	106		(106)		(106)		(105)	(112)	107
DE-7-146-38-2020**	DE-7-146	2	111		(106)		(106)		(106)		(105)	(112)	107
DE-7-146-42-2020	DE-7-146	2	111		(106)	3.5	106	3.8	106	4	105	(112)	107
DE-7-146-44-2020**	DE-7-146	2	111		(106)		(106)		(106)		(105)	(112)	107
DE-7-146-45-2020**	DE-7-146	2	111		(106)		(106)		(106)		(105)	(112)	107
DE-7-146-46-2020**	DE-7-146	2	111		(106)		(106)		(106)		(105)	(112)	107

Colony without performance tests