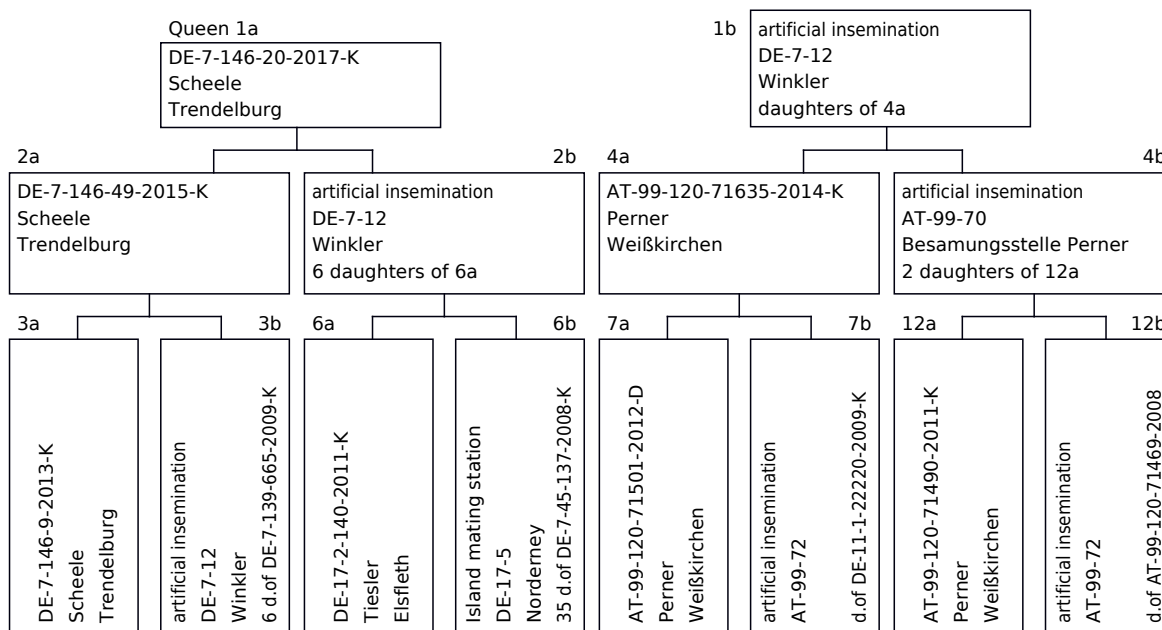


Tester of the queen: Burmeister, Klaus, 24536 Neumünster, DE-15-10, Apiary 1
 Breeder of the queen: Scheele, Wolfgang, 34388 Trendelburg, DE-7-146
1a Studbook number: **DE-7-146-20-2017-K**

Race line: Sign: yellow 20 Daughters of Queen: 1.0%
 Generation: 11 Hatch date: 04.06.2017 Workers: 0.0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 86			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	39	97.5	3	5	40	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	105	■			
Honey yield	-	98	■			0.27
Defensive behavior	3.90	108	■			0.45
Steadiness on comb	3.80	106	■			0.45
Swarming drive	3.70	98	■			0.24
Varroa	-	106	■			0.23
Performance index	-	0				
Robustness in winter	3.70	70% 100% 170%				
Development in Spring	3.60					
Colony strength	3.70					

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 B
Suitable for breeding.

Breeding selection report DE-7-146-20-2017-K

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Performance of the sisters

Amount of checked sisters: 14

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-7-146-24-2017	DE-7-146	1	102		95		Behavior		100		100	96	105
DE-7-146-28-2017	DE-7-146	1	101		91		106		inspection		98	100	100
DE-7-146-58-2017	DE-7-146	1	101		96		103		102		101	99	100
DE-7-146-60-2017	DE-7-146	1	102		94		108		109		100	(97)	104
DE-7-146-61-2017	DE-7-146	1	102		97		110		110		102	94	106
DE-7-146-62-2017-K	DE-7-146	1	126		129		122		120		111	114	
DE-7-146-69-2017-K	DE-7-146	1	129		123		123		121		111	124	
DE-7-146-70-2017	DE-7-146	1	124		106		125		123		109	119	
DE-7-146-7-2017	DE-7-177	1	106		98		114		114		104	98	109
DE-7-146-9-2017	DE-7-177	1	104		94		116		116		100	98	107
DE-7-146-4-2017-K	DE-15-10	1	104	40.5	100	3.8	104	3.8	103	3.7	98	105	
DE-7-146-5-2017	DE-15-10	1	102	30.5	87	3.9	109	3.8	107	3.7	97	105	
DE-7-146-20-2017-K	DE-15-10	1	105	39	98	3.9	108	3.8	106	3.7	98	106	
DE-7-146-21-2017	DE-15-10	1	104	36.5	95	3.9	108	3.8	107	3.7	98	104	