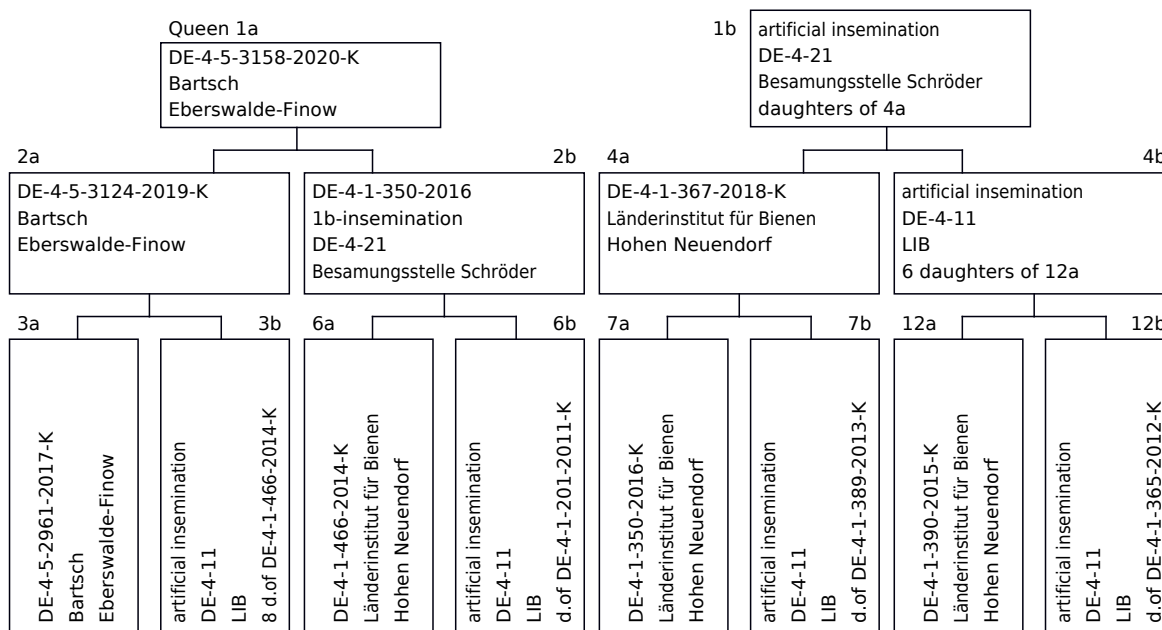


Tester of the queen: Bartsch, Klaus, 13227 Eberswalde-Finow, DE-4-5, Apiary 1  
 Breeder of the queen: Bartsch, Klaus, 13227 Eberswalde-Finow, DE-4-5  
**1a** Studbook number: **DE-4-5-3158-2020-K**

Race line: -c Sign: blue 21 Daughters of Queen: 14.8%  
 Generation: 30 Hatch date: 20.06.2020 Workers: 15.0%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	33.6	111.5	2	15	30.1	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	105	■			
Honey yield	-	109	■			0.5
Defensive behavior	4	105	■			0.59
Steadiness on comb	4	103	■			0.59
Swarming drive	4	113	■			0.53
Varroa	-	(98)	■			0.46
Performance index	-	108	■			0.5
Robustness in winter	4	70% 100% 170%				
Development in Spring	4					
Colony strength	4					

<sup>1</sup>In 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 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-4-5-3158-2020-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 9

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-4-5-3156-2020	DE-4-5	1	102	29	104	3	104	4	100	4	100	(98)	104
DE-4-5-3158-2020-K	DE-4-5	1	105	33.6	109	4	105	4	103	4	113	(98)	108
DE-4-5-3160-2020	DE-4-5	1	101	28.5	102	3	98	4	99	3	107	(98)	102
DE-4-5-3161-2020	DE-4-5	1	103	31	106	3	98	4	100	4	112	(98)	104
DE-4-5-3163-2020	DE-4-5	1	99	29	101	4	97	2	87	4	110	(98)	98
DE-4-5-3167-2020	DE-4-5	1	100	28.5	100	4	100	3	95	3	106	(98)	100
DE-4-5-3170-2020	DE-4-5	1	106	34.5	110	4	104	4	103	4	113	(98)	109
DE-4-5-3177-2020	DE-4-5	1	100	27	99	4	101	3	95	3	106	(98)	100
DE-4-5-3182-2020	DE-4-5	1	105	30.5	105	4	105	4	103	4	113	(98)	108