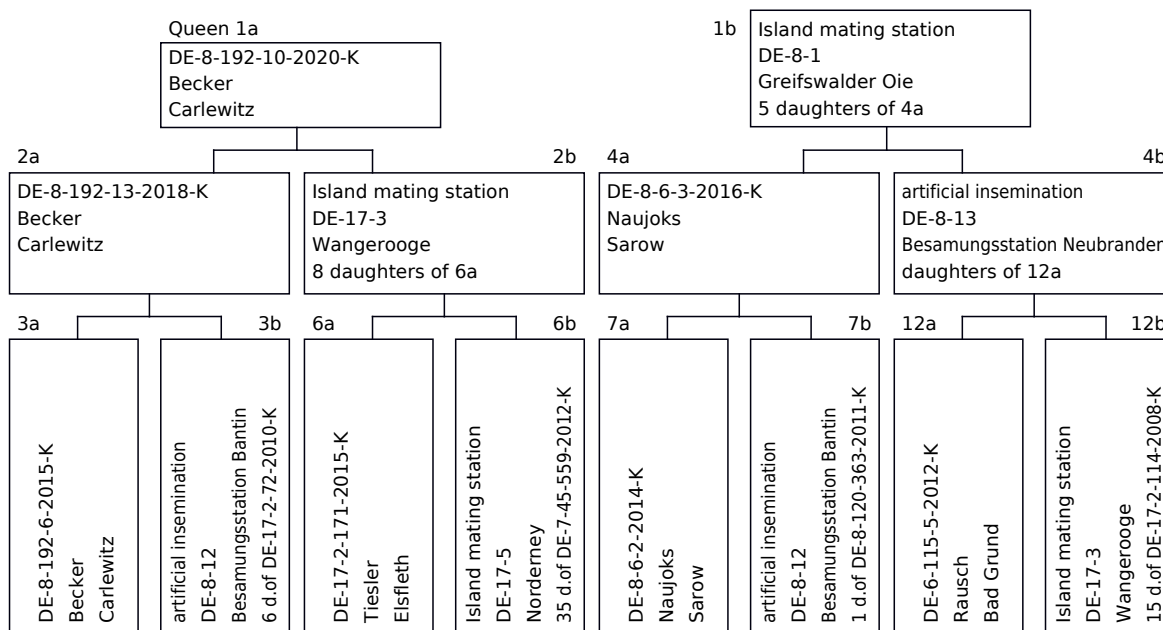


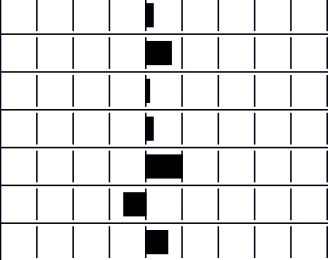
Tester of the queen: Becker, Ralf, 18337 Carlewitz, DE-8-192, Apiary 1
 Breeder of the queen: Becker, Ralf, 18337 Carlewitz, DE-8-192
1a Studbook number: **DE-8-192-10-2020-K**

Race line: -C Sign: blue 29 Daughters of Queen: 1.3%
 Generation: Hatch date: 02.06.2020 Workers: 1.7%

A. Pedigree



B. Own performance

Performance test year	No. of the colony se53			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	76	124.6	1	8	61	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	102				
Honey yield	-	107				0.27
Defensive behavior	3.90	101				0.35
Steadiness on comb	3.80	102				0.35
Swarming drive	4	110				0.3
Varroa	-	(94)				0.23
Performance index	-	106				0.27
Robustness in winter	3.90					
Development in Spring	3.90					
Colony strength	3.90					

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 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-8-192-10-2020-K

Page 2

Performance of the sisters

Amount of checked sisters: 8

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 ndex
DE-8-192-5-2020	DE-8-192	1	100	72	106	3.6	100	3.6	100	3.9	100	(94)	103
DE-8-192-6-2020-K	DE-8-192	1	101	66	105	3.9	101	3.8	102	3.9	109	(94)	105
DE-8-192-7-2020	DE-8-192	1	101	62	104	3.8	100	3.8	102	3.8	108	(94)	104
DE-8-192-8-2020-K	DE-8-192	1	101	65	104	3.8	100	3.8	102	3.9	109	(94)	104
DE-8-192-9-2020	DE-8-192	1	100	55	101	3.7	99	3.7	101	3.7	107	(94)	102
DE-8-192-10-2020-K	DE-8-192	1	102	76	107	3.9	101	3.8	102	4	110	(94)	106
DE-8-192-11-2020	DE-8-192	1	100	61	103	3.8	100	3.7	101	3.8	108	(94)	103
DE-8-192-12-2020	DE-8-192	1	99	31	96	3.7	100	3.7	101	3.6	107	(94)	101