

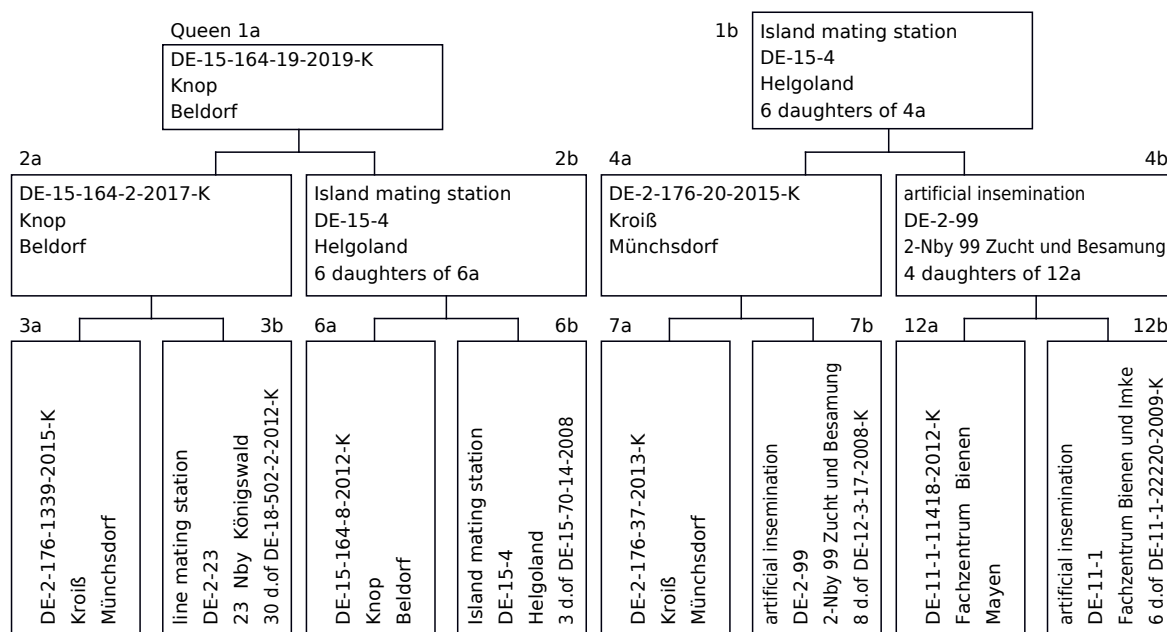
Tester of the queen: Knop, Carsten, 25557 Beldorf, DE-15-164, Apiary 1
 Breeder of the queen: Knop, Carsten, 25557 Beldorf, DE-15-164
1a Studbook number: **DE-15-164-19-2019-K**

Race line: -Ca
 Generation:








Sign: green 19
 Hatch date: 27.05.2019

Daughters of
 Queen: 0.2%
 Workers: 1.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony SW8			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	74	112.2	1	15	65.9	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	115				
Honey yield	-	123				0.36
Defensive behavior	4	106				0.46
Steadiness on comb	4	106				0.46
Swarming drive	4	107				0.36
Varroa	-	112				0.39
Performance index	-	112				0.36
Robustness in winter	4		70% 100% 170%			
Development in Spring	4					
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-15-164-19-2019-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-15-164-18-2019	DE-15-164	1	113	71	121	3.9	105	3.9	105	3.8	106	111	110
DE-15-164-19-2019-K	DE-15-164	1	115	74	123	4	106	4	106	4	107	112	112
DE-15-164-20-2019	DE-15-164	1	114	73	122	4.0	105	4.0	105	4	106	112	111
DE-15-164-64-2019	DE-15-164	1	111	65	117	3.8	104	3.8	103	3.6	104	110	108
DE-15-164-68-2019	DE-15-164	1	110	65	117	3.7	102	3.7	102	3.6	104	110	107
DE-15-164-65-2019	DE-15-164	2	111	71	116	3.9	103	3.8	102	3.8	104	110	107