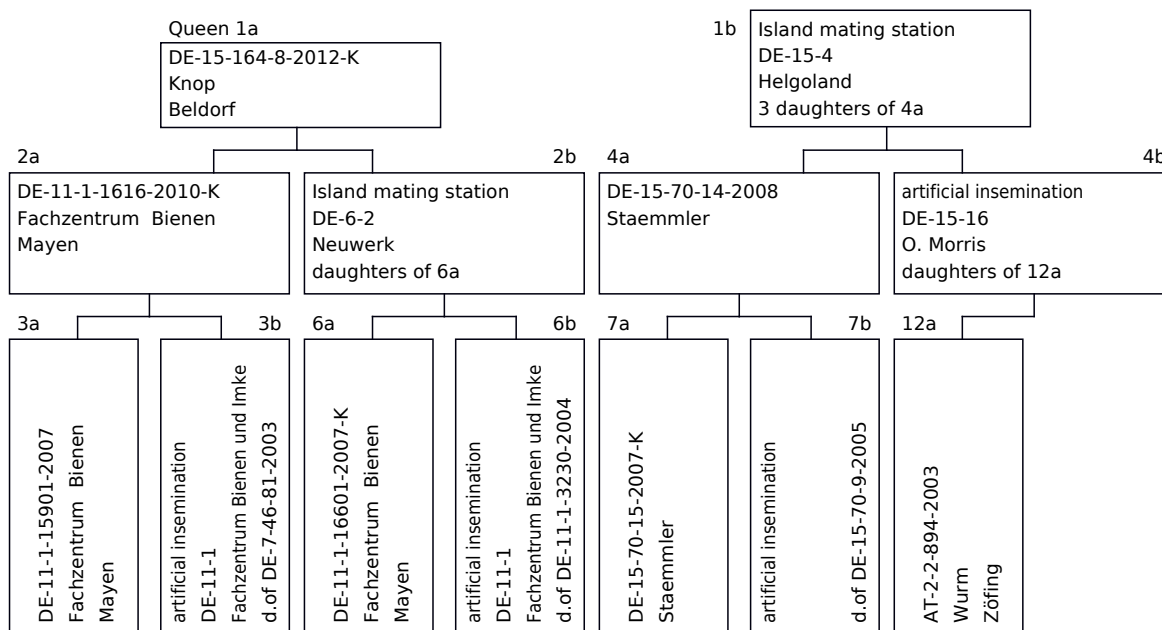


Tester of the queen: Knop, Carsten, 25557 Beldorf, DE-15-164, Apiary 3
 Breeder of the queen: Knop, Carsten, 25557 Beldorf, DE-15-164
1a Studbook number: **DE-15-164-8-2012-K**

Race line: Sign: yellow 8
 Generation: Hatch date: 21.06.2012

Daughters of
 Queen: 0.8%
 Workers: 0.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony Volk H3			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	65	100	1	1	65	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	98	█			
Honey yield	-	98	█			0.1
Defensive behavior	3.80	97	█			0.07
Steadiness on comb	3.70	97	█			0.15
Swarming drive	3.90	101	█			0.18
Varroa	-	99	█			0.19
Performance index	-	0				
Robustness in winter	3.70	70% 100% 170%				
Development in Spring	3.70					
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 J

Breeding selection report DE-15-164-8-2012-K

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Performance of the sisters

Amount of checked sisters: 4

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-15-164-11-2012	DE-15-69	1	99		98							108	
DE-15-164-8-2012-K	DE-15-164	3	98	65	98	3.8	97	3.7	97	3.9	101	99	
DE-15-164-10-2012-K	DE-15-164	4	98	69	98	3.7	97	3.7	97	3.9	101	99	
DE-15-164-14-2012	DE-15-164	12	98	70.5	98	3.8	97	3.7	97	3.9	101	99	