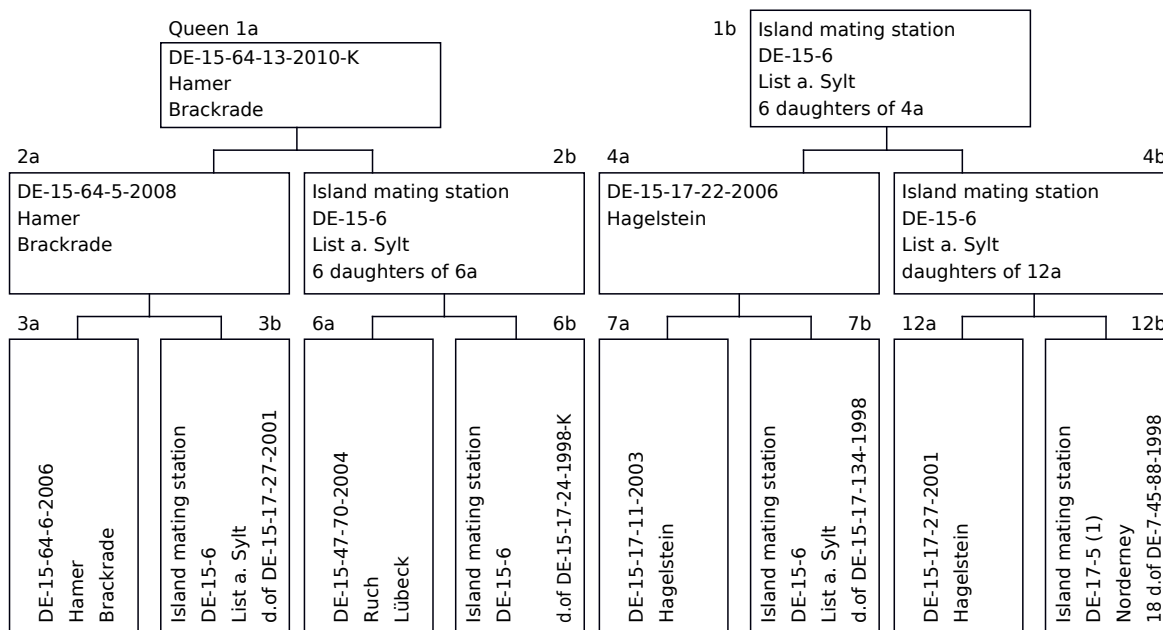


Tester of the queen: Hamer, Thomas, 23715 Brackrade, DE-15-64, Apiary 1  
 Breeder of the queen: Hamer, Thomas, 23715 Brackrade, DE-15-64  
**1a** Studbook number: **DE-15-64-13-2010-K**

Race line: -1 Sign: blue 55 Daughters of Queen: 2.2%  
 Generation: 4 Hatch date: 30.5.2010 Workers: 7.3%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony Volk 1			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	69.7	114.6	1	7	60.8
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	116			
Honey yield	-	112			0.29
Defensive behavior	4	113			0.45
Steadiness on comb	3.50	112			0.48
Swarming drive	4	117			0.28
Varroa	-	(109)			0.16
Performance index	-	0			
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-15-64-13-2010-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 7

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-15-64-9-2010	DE-15-64	1	94	52.8	91	3	91	4	91	3.5	91	(95)	
DE-15-64-10-2010	DE-15-64	1	96	59.4	96	3.5	92	3	91	4	104	(99)	
DE-15-64-11-2010	DE-15-64	1	92	55.8	91	3.5	92	3	91	3	89	(99)	
DE-15-64-13-2010-K	DE-15-64	1	116	69.7	112	4	113	3.5	112	4	117	(109)	
DE-15-64-14-2010	DE-15-64	1	100	65.4	103	3.5	98	3.5	98	3	94	(102)	
DE-15-64-15-2010	DE-15-64	1	97	63.6	100	3.5	92	3	92	3.5	96	(101)	
DE-15-64-16-2010	DE-15-64	1	96	59	96	3.5	92	3	91	4	104	(99)	