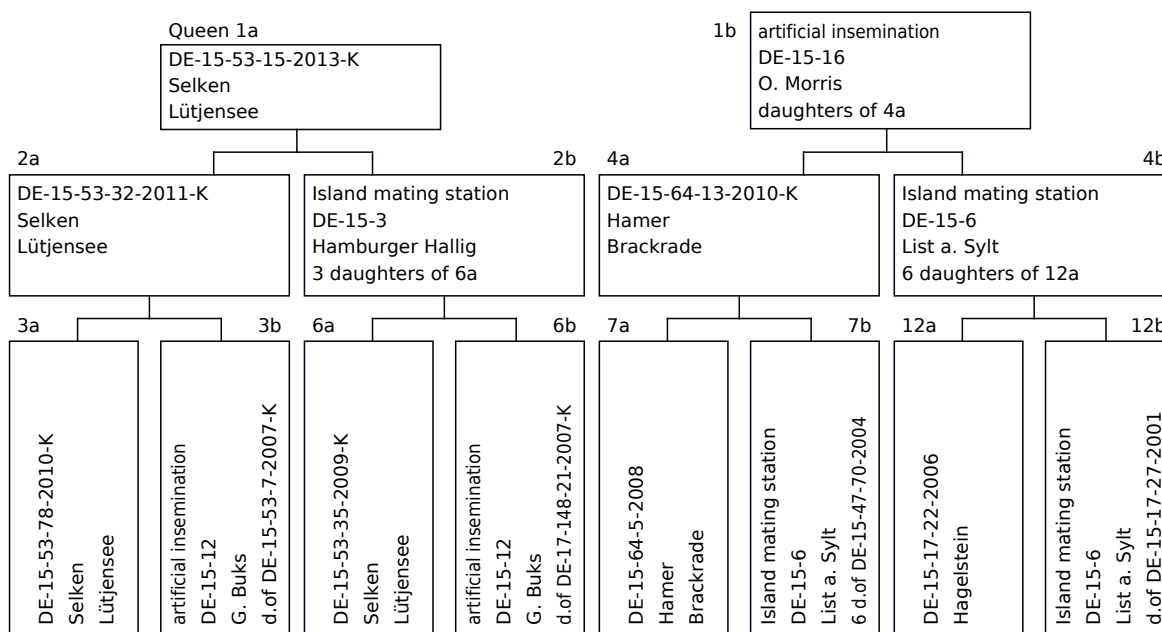


Tester of the queen: Selken, Hans Werner, 22952 Lütjensee, DE-15-53, Apiary 1
 Breeder of the queen: Selken, Hans Werner, 22952 Lütjensee, DE-15-53
1a Studbook number: **DE-15-53-15-2013-K**

Race line: -10 Sign: red 15 Daughters of Queen: 5.5%
 Generation: 16 Hatch date: 26.6.2013 Workers: 0.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony Volk 39			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	78	122.1	1	8	63.9
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	113			
Honey yield	-	117			0.39
Defensive behavior	4	107			0.57
Steadiness on comb	4	107			0.61
Swarming drive	4	109			0.39
Varroa	-	110			0.48
Performance index	-	0			
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-15-53-15-2013-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 index
DE-15-53-31-2013	DE-14-21	1	87		89		89		89		89	(96)	
DE-15-53-34-2013	DE-14-21	1	87		100		80		81		82	(96)	
DE-15-53-130-2013	DE-14-21	1	88		84		89		88		91	(95)	
DE-15-53-36-2013	DE-14-21	2	96		109		86		86		103	(99)	
DE-15-53-15-2013-K	DE-15-53	1	113	78	117	4	107	4	107	4	109	110	
DE-15-53-33-2013	DE-15-53	1	96	64	100	3.8	91	3.8	91	3.9	96	100	
DE-15-53-37-2013	DE-15-53	1	89	50	88	3.8	93	3.9	93	3.8	92	92	
DE-15-53-133-2013-K	DE-15-53	1	101	65	103	3.9	98	3.9	98	3.9	99	103	