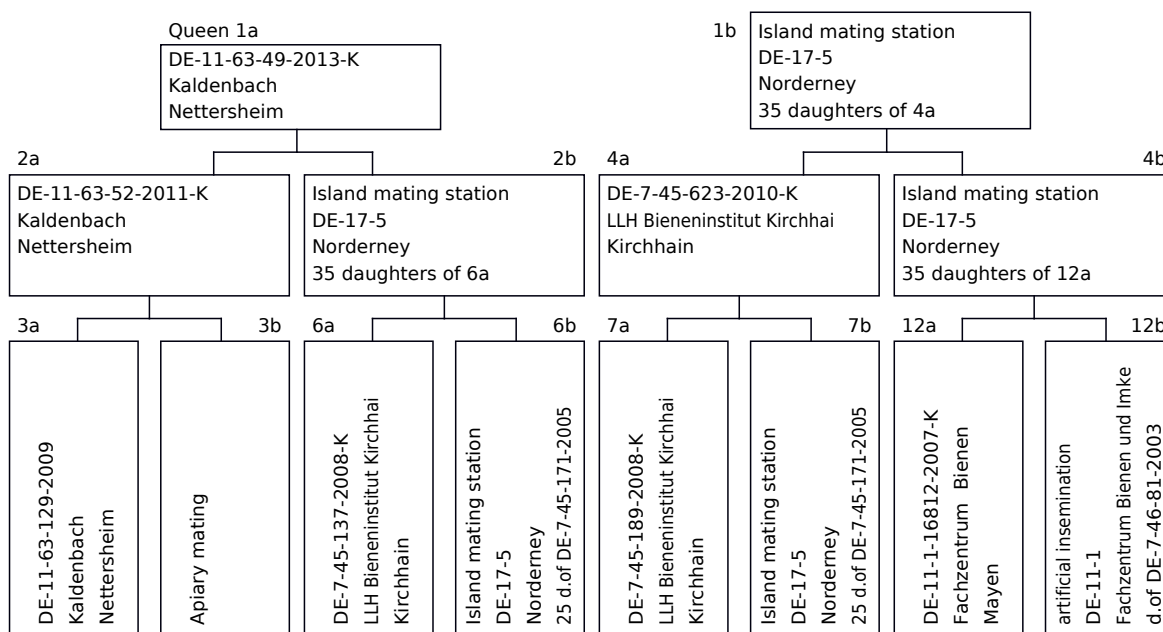


Tester of the queen: Kaldenbach, Klaus, 53947 Nettersheim, DE-11-63, Apiary 1  
 Breeder of the queen: Kaldenbach, Klaus, 53947 Nettersheim, DE-11-63  
**1a** Studbook number: **DE-11-63-49-2013-K**

Race line: Sign: red 98 Daughters of Queen: 0.3%  
 Generation: Hatch date: 5.6.2013 Workers: 2%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	35	151.5	2	11	23.1
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	113			
Honey yield	-	108			0.42
Defensive behavior	4	102			0.62
Steadiness on comb	3.70	100			0.65
Swarming drive	4	102			0.42
Varroa	-	122			0.53
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength					

<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 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-11-63-49-2013-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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-11-63-40-2013	DE-11-63	1	106	17.8	97	4	Behavior	3.5	107	4	107	115	
DE-11-63-45-2013	DE-11-63	1	106	24.7	103	4	108	4	inspection 109	4	107	102	
DE-11-63-49-2013-K	DE-11-63	1	113	35	108	4	102	3.7	100	4	102	122	
DE-11-63-52-2013	DE-11-63	1	108	17.7	101	4	107	4	107	4	104	108	
DE-11-63-47-2013	DE-11-161	1	107		88		105		102		82	123	
DE-11-63-37-2013	DE-12-3	2	114		99		111		108		105	119	