

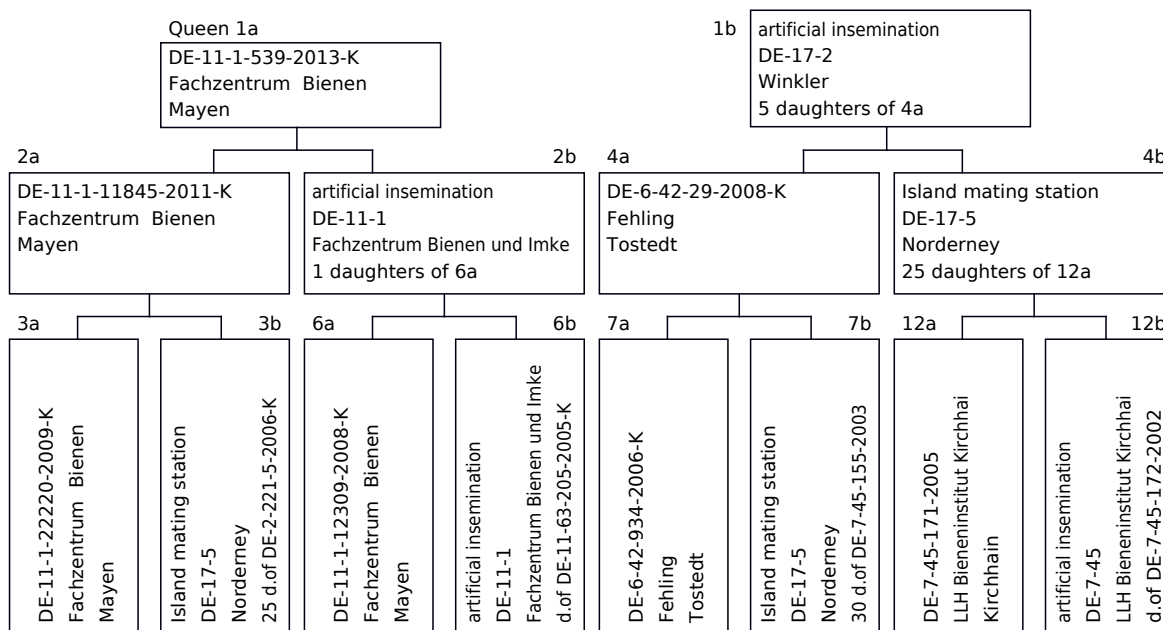
Tester of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208, Apiary 3
Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1
1a Studbook number: **DE-11-1-539-2013-K**

Race line: -80
Generation: 1

Sign: red 39
Hatch date: 28.05.2013

Daughters of
Queen: 1.4%
Workers: 1.6%

A. Pedigree



B. Own performance

Performance test year	No. of the colony Volk 84			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	40.2	267.2	2	28	15.0
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	133			
Honey yield	-	124			0.44
Defensive behavior	3.50	130			0.65
Steadiness on comb	4	130			0.68
Swarming drive	4	122			0.44
Varroa	-	123			0.55
Performance index	-	0			
Robustness in winter	3.50		70%	100%	170%
Development in Spring	3				
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-11-1-539-2013-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-11-1-526-2013-D	DE-17-208	2	115	40.5	111	3.5	109	4	109	4	116	116	
DE-11-1-525-2013-D	DE-17-208	3	130	40.4	124	3.5	130	4	130	4	124	118	
DE-11-1-537-2013	DE-17-208	3	111	30.2	113	3	104	3	105	4	111	110	
DE-11-1-539-2013-K	DE-17-208	3	133	40.2	124	3.5	130	4	130	4	122	123	