

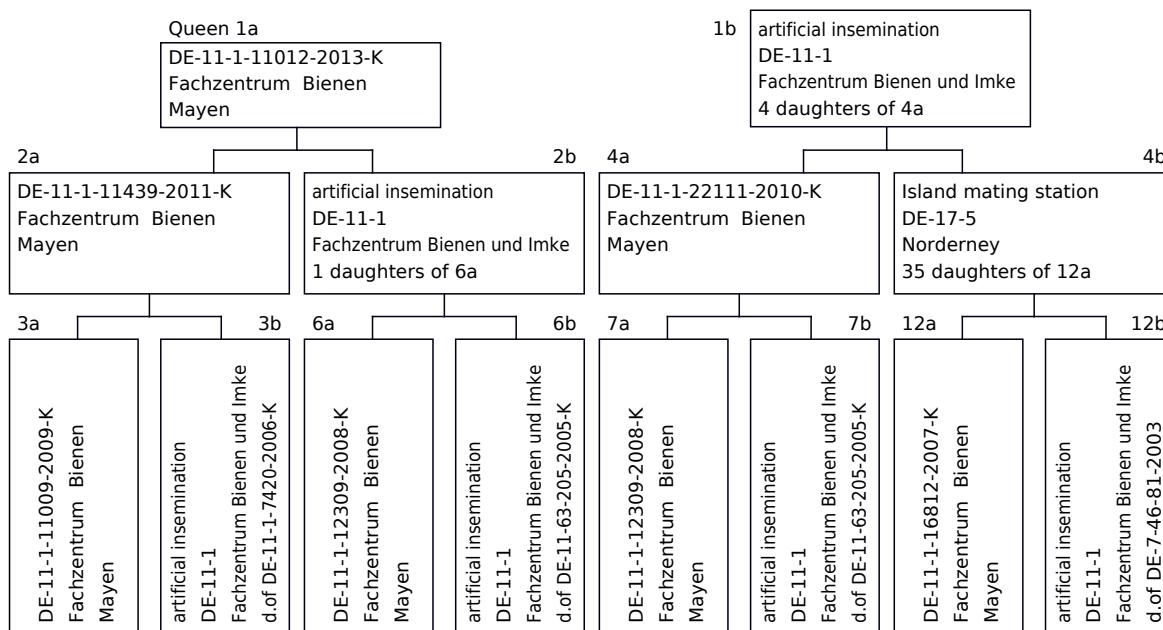
Tester of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1, Apiary 5  
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1  
**1a** Studbook number: **DE-11-1-11012-2013-K**

Race line: -72  
 Generation: 5

Sign: red 12  
 Hatch date: 04.06.2013

Daughters of  
 Queen: 2.3%  
 Workers: 6.6%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 326			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	33	106.8	5	10	30.9
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	115			
Honey yield	-	111			0.44
Defensive behavior	4	104			0.64
Steadiness on comb	3.70	103			0.66
Swarming drive	4	110			0.44
Varroa	-	118			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 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-11-1-11012-2013-K

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### Performance of the sisters

Amount of checked sisters: 9

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-11-1-11012-2013-K	DE-11-1	5	115	33	111	4	104	3.7	103	4	110	118	
DE-11-1-11013-2013-K	DE-11-1	5	114	30.8	110	4	110	4	110	4	113	111	
DE-11-1-12065-2013-K	DE-11-1	13	125	34.6	115	3.6	106	3.8	102	4	102	139	
DE-11-1-11014-2013	DE-11-1	17	116	20.7	107	4	96	3	93	4	99	133	
DE-11-1-12064-2013	DE-11-1	17	114	27.8	113	4	98	3.1	96	4	104	122	
DE-11-1-11015-2013	DE-11-19	19	116		116		105		104		111	118	
DE-11-1-11017-2013	DE-11-19	19	111		114		110		110		116	102	
DE-11-1-12063-2013-K	DE-11-139	9	110		106		102		102		111	111	
DE-11-1-11011-2013	DE-19-119	1	111		106		101		100		106	(117)	