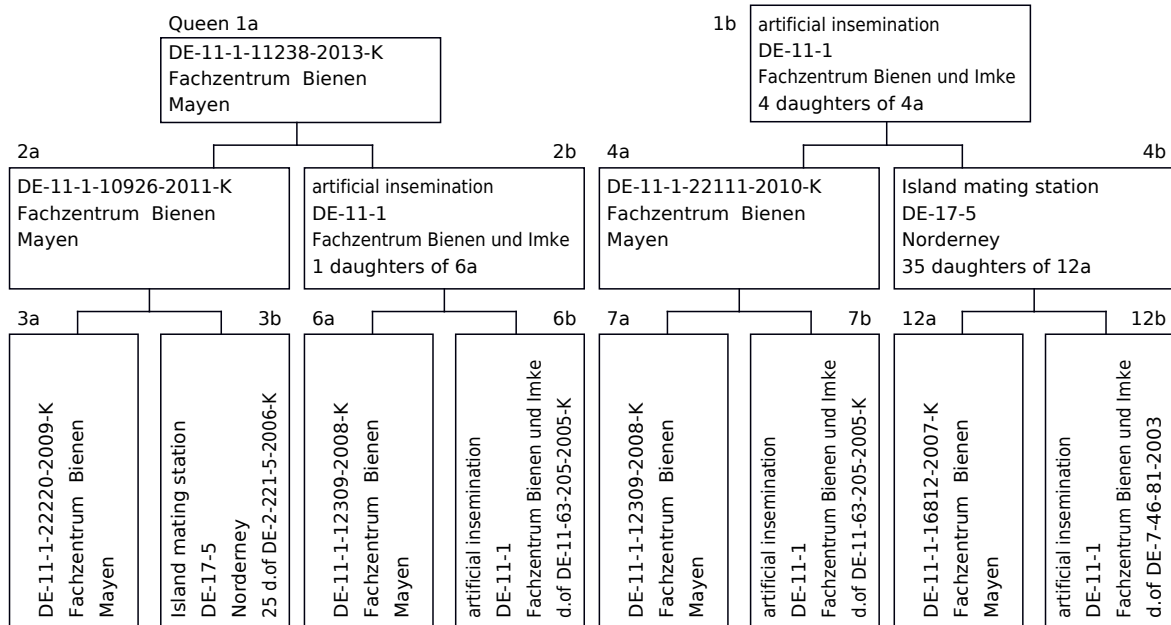


Tester of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1, Apiary 13
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1
1a Studbook number: **DE-11-1-11238-2013-K**

Race line: -72 Sign: red 38 Daughters of Queen: 1.4%
 Generation: 6 Hatch date: 04.06.2013 Workers: 5.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 275			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	13	48.8	12	13	26.6
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	111			
Honey yield	-	102			0.44
Defensive behavior	3.90	116			0.64
Steadiness on comb	4	117			0.67
Swarming drive	4	108			0.44
Varroa	-	106			0.53
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength					

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 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-11-1-11238-2013-K

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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-11-1-11231-2013-K	DE-11-1	5	112	37	115	3.9	109	4	109	4	108	108	
DE-11-1-11235-2013-K	DE-11-1	5	116	31.8	111	4	110	4	110	4	107	116	
DE-11-1-11238-2013-K	DE-11-1	13	111	13	102	3.9	116	4	117	4	108	106	
DE-11-1-11239-2013-K	DE-11-1	17	108	9.9	102	4	108	3.9	109	4	103	107	
DE-11-1-11953-2013-K	DE-11-1	17	109	24.5	113	4	109	3.9	112	4	109	102	
DE-11-1-11236-2013	DE-11-19	19	109		105		107		108		92	113	
DE-11-1-11240-2013	DE-11-63	1	104		96		107		108		87	109	