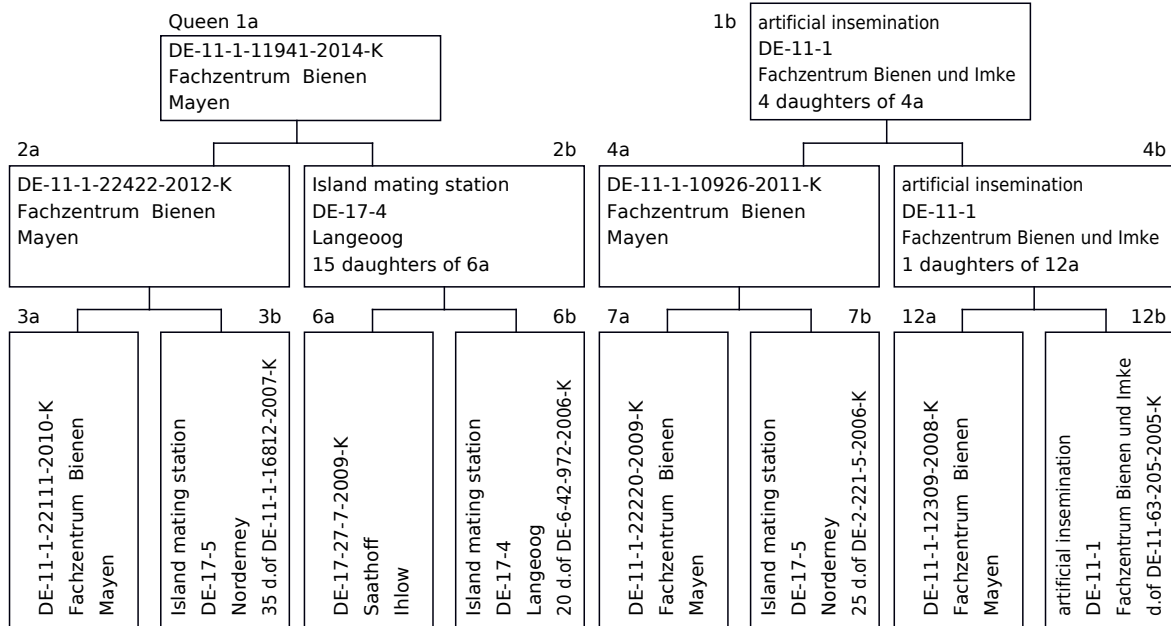


Tester of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1, Apiary 2
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1
1a Studbook number: **DE-11-1-11941-2014-K**

Race line: -72 Sign: green 41 Daughters of Queen: 0%
 Generation: 12 Hatch date: 27.05.2014 Workers: 0.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 577			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	68.6	103.4	7	14	66.4
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	120			
Honey yield	-	109			0.41
Defensive behavior	4	118			0.61
Steadiness on comb	4	118			0.64
Swarming drive	4	107			0.41
Varroa	-	120			0.51
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 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-11-1-11941-2014-K

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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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-11-1-11939-2014	DE-11-1	2	104	48.9	88	3.8	Behavior	3.8	108	4	108	114	
DE-11-1-11940-2014-K	DE-11-1	2	111	73.9	112	4	112	3.7	112	4	109	105	
DE-11-1-11941-2014-K	DE-11-1	2	120	68.6	109	4	118	4	118	4	107	120	
DE-11-1-11935-2014	DE-11-1	3	100	42.5	106	3.6	106	3.2	108	4	108	91	
DE-11-1-11936-2014	DE-11-1	3	121	23.5	93	3.8	115	3.5	112	4	98	134	
DE-11-1-11937-2014	DE-11-1	4	115	50.3	106	4	115	3.5	115	4	106	112	
DE-11-1-12386-2014	DE-11-19	19	110		97		120		121		109	101	
DE-11-1-11942-2014-K	DE-11-139	8	114		103		118		119		114	107	