

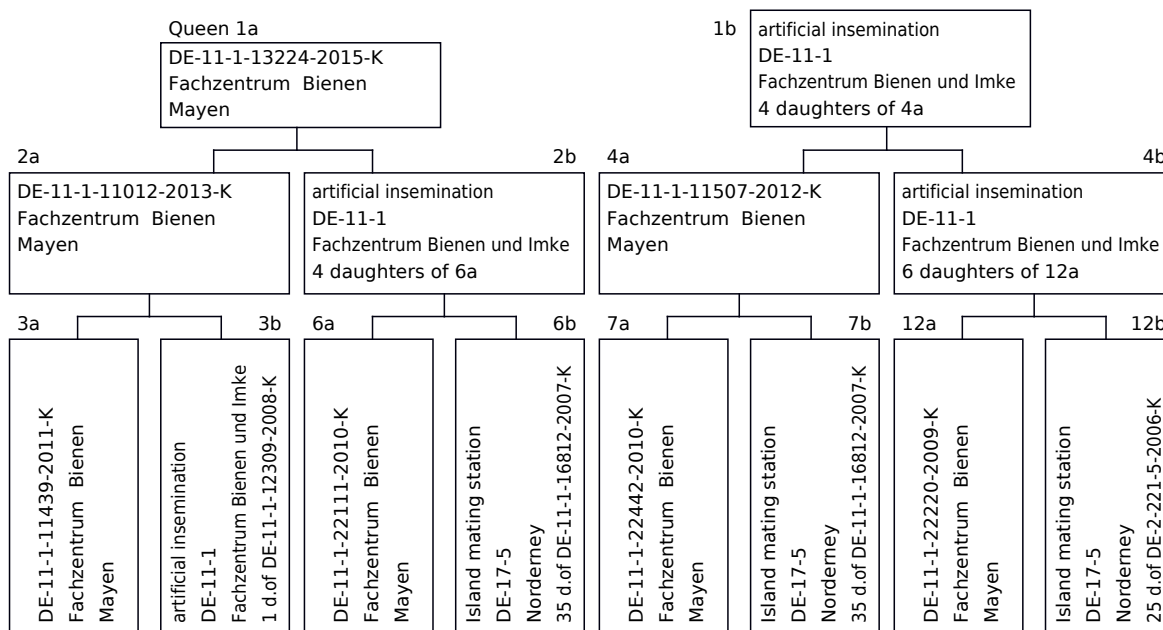
Tester of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1, Apiary 16
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1
1a Studbook number: **DE-11-1-13224-2015-K**

Race line: -72
 Generation: 6

Sign: blue 24
 Hatch date: 16.06.2015

Daughters of
 Queen: 11.2%
 Workers: 4.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 385/ 728			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	8.1	62.2	14	17	13.0
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	129			
Honey yield	-	105			0.44
Defensive behavior	3.80	113			0.64
Steadiness on comb	3.60	108			0.67
Swarming drive	4	106			0.44
Varroa	-	144			0.54
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring	3.50				
Colony strength	3.50				

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-11-1-13224-2015-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 Behavior	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-11-1-13228-2015-K	DE-11-1	5	127	23.7	108	4	108	3.7	108	4	108	136	
DE-11-1-12426-2015	DE-11-1	8	107	9.6	106	3.6	100	3.3	100	4	114	106	
DE-11-1-13227-2015	DE-11-1	10	118	18.3	93	4	109	3.6	105	4	109	130	
DE-11-1-13224-2015-K	DE-11-1	16	129	8.1	105	3.8	113	3.6	108	4	106	144	
DE-11-1-12422-2015	DE-11-19	19	117		103		103		99		103	130	
DE-11-1-13221-2015	DE-11-63	3	124		112		116		113		112	127	
DE-11-1-12776-2015-K	DE-11-171	1	138		125		124		120		136	134	
DE-11-1-12777-2015	DE-11-171	1	105		115		96		96		116	100	
DE-11-1-12774-2015	DE-18-901	1	113		99		106		104		108	(120)	