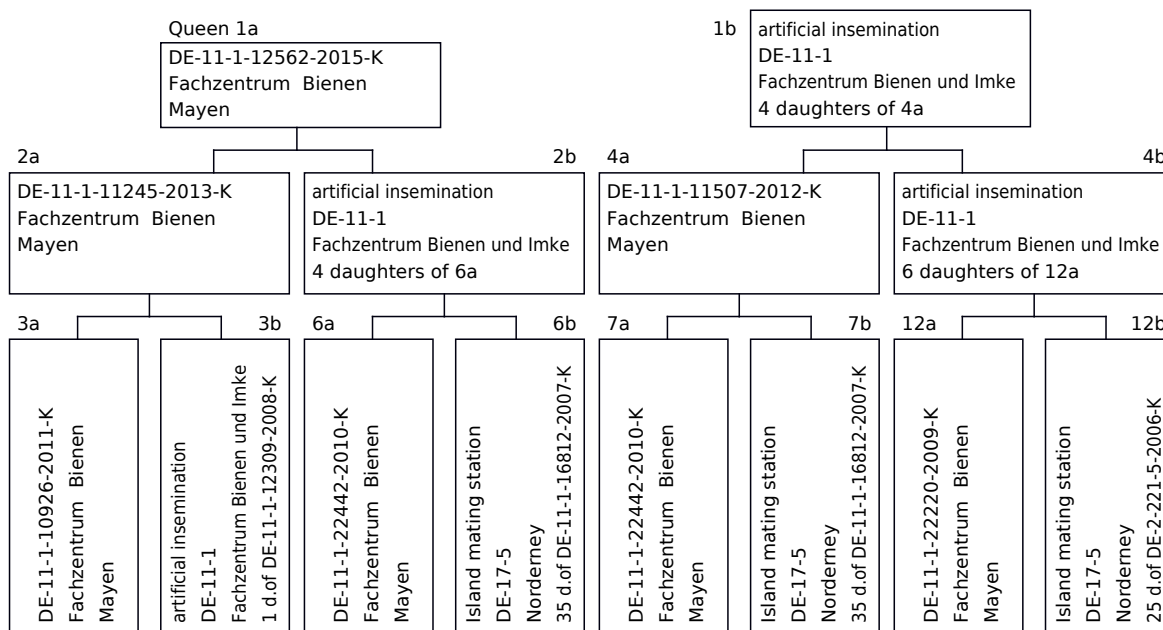


Tester of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1, Apiary 16
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1
1a Studbook number: **DE-11-1-12562-2015-K**

Race line: -72 Sign: blue 62 Daughters of Queen: 3.0%
 Generation: 6 Hatch date: 09.06.2015 Workers: 9.4%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 350/ 701			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	16.9	129.8	5	17	13.0	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	129	[Bar chart]			
Honey yield	-	110	[Bar chart]			0.43
Defensive behavior	3.90	121	[Bar chart]			0.65
Steadiness on comb	3.70	119	[Bar chart]			0.67
Swarming drive	4	114	[Bar chart]			0.43
Varroa	-	133	[Bar chart]			0.54
Performance index	-	0	[Bar chart]			
Robustness in winter			70%	100%	170%	
Development in Spring	4					
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-11-1-12562-2015-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 Behavior	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-11-1-13470-2015	DE-11-1	5	124	0.4	92	4	Behavior	3.9	110	4	110	133	
DE-11-1-12010-2015-K	DE-11-1	10	129	37.5	106	4	117	3.8	113	4	113	138	
DE-11-1-12563-2015-K	DE-11-1	10	119	53.4	115	4	113	3.6	111	3.5	110	120	
DE-11-1-12011-2015	DE-11-1	16	107	0	93	3.3	93	3.4	90	4	97	124	
DE-11-1-12562-2015-K	DE-11-1	16	129	16.9	110	3.9	121	3.7	119	4	114	133	
DE-11-1-12009-2015	DE-11-19	19	106		91		98		95		98	119*	
DE-11-1-13472-2015	DE-11-19	19	129		111		120		117		111	135	
DE-11-1-12561-2015	DE-11-171	1	122		93		114		110		95	139*	

Only one Varroa trait was recorded