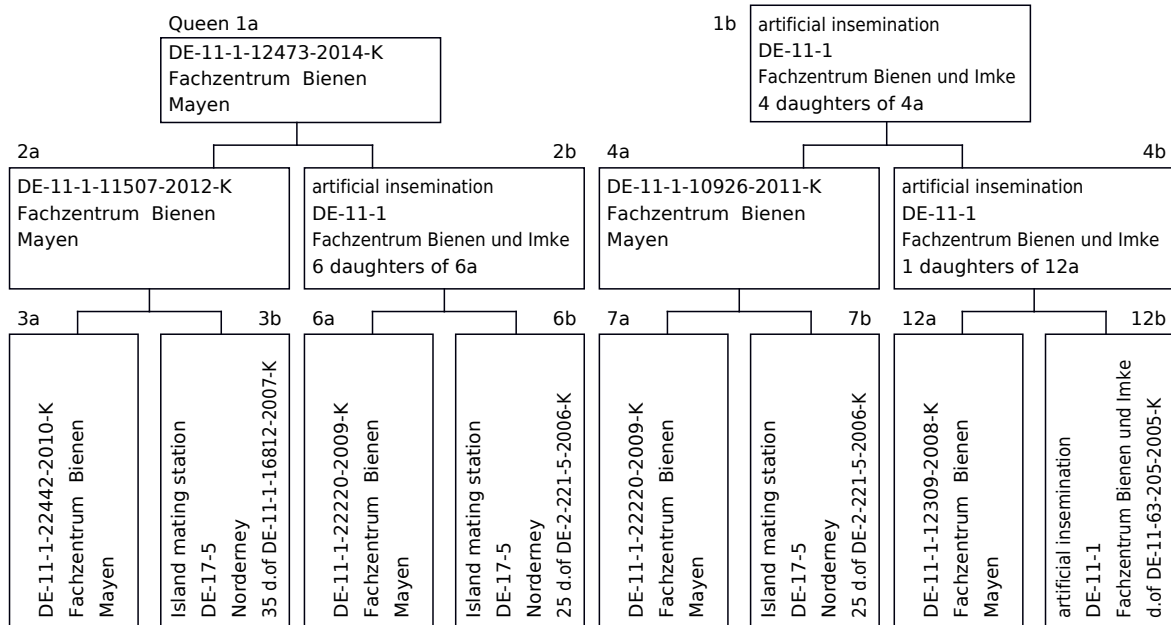


Tester of the queen: Bonn, Uni, Bonn, DE-11-19, Apiary 19
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1
1a Studbook number: **DE-11-1-12473-2014-K**

Race line: -72 Sign: green 73 Daughters of Queen: 1.3%
 Generation: 13 Hatch date: 03.06.2014 Workers: 4.4%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 2473 Bonn			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	16.7	62	6	7	26.9
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	121			
Honey yield	-	101			0.4
Defensive behavior	3.80	117			0.59
Steadiness on comb	3.60	115			0.61
Swarming drive	4	105			0.4
Varroa	-	127			0.5
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-11-1-12473-2014-K

Page 2

Performance of the sisters

Amount of checked sisters: 10

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-11-1-11823-2014-K	DE-11-1	2	112		106		117		117		112	105	
DE-11-1-12469-2014-K	DE-11-1	2	125		119		117		117		112	124	
DE-11-1-11820-2014	DE-11-1	4	102		83		97		95		92	116	
DE-11-1-11821-2014-K	DE-11-1	4	114		105		110		108		105	117	
DE-11-1-12471-2014	DE-11-19	19	108	38.4	111	3.4	101	3.3	102	4	105	108	
DE-11-1-12472-2014	DE-11-19	19	104	40.6	112	3.2	95	3.2	96	4	102	106	
DE-11-1-12473-2014-K	DE-11-19	19	121	16.7	101	3.8	117	3.6	115	4	105	127	
DE-11-1-12385-2014	DE-11-63	1	95		106		103		106		111	81	
DE-11-1-12470-2014	DE-11-63	1	104		101		107		108		107	99	
DE-11-1-11824-2014	DE-11-139	8	109		109		93		92		94	121	