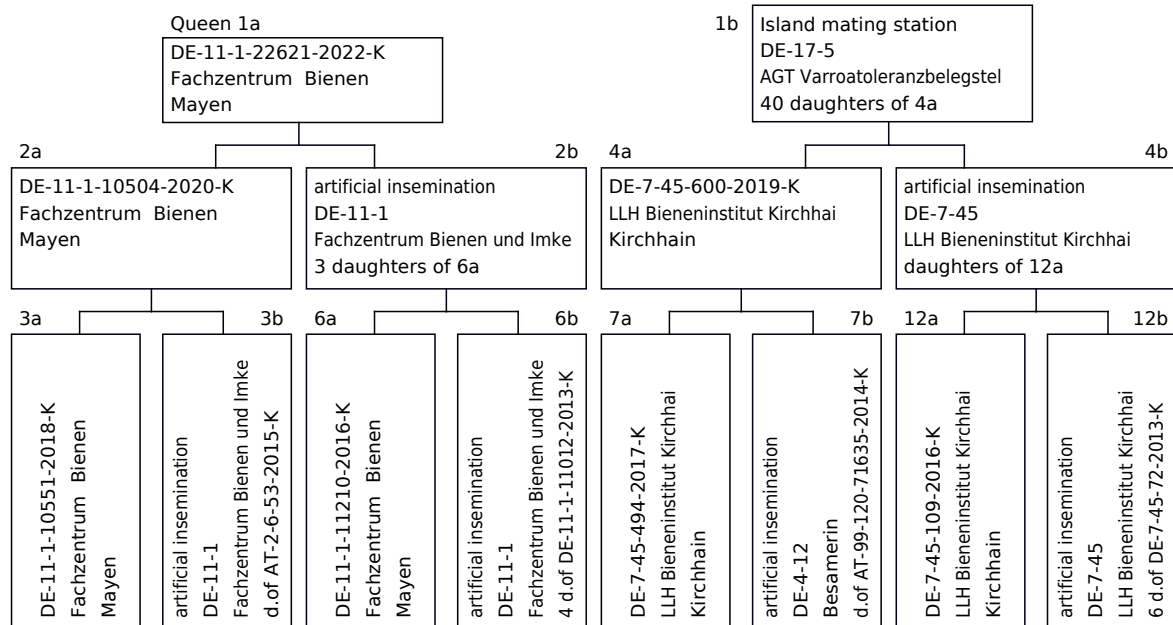


Tester of the queen: Bunsen, Jan Dirk, 67699 Heiligenmoschel, DE-11-171, Apiary 1
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1
1a Studbook number: **DE-11-1-22621-2022-K**

Race line: -72 Sign: yellow 21 Daughters of Queen: 6.8%
 Generation: 16 Hatch date: Workers: 2.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 946			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	65.2	101.4	24	41	64.3
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	125			
Honey yield	-	104			0.5
Defensive behavior	4	117			0.59
Steadiness on comb	4	115			0.59
Swarming drive	4	129			0.55
Varroa	-	123			0.57
Performance index	-	119			0.5
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-11-1-22621-2022-K

Page 2

Performance of the sisters

Amount of checked sisters: 11

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-11-1-22741-2022-K	DE-11-1	10	122		102		100		109		124	124	113
DE-11-1-22744-2022	DE-11-1	16	118		99		110		108		124	119	112
DE-11-1-22858-2022-K	DE-11-1	16	121		102		110		109		125	122	114
DE-11-1-22735-2022-K	DE-11-1	31	118		103		110		109		124	116	113
DE-11-1-22896-2022-K	DE-11-1	31	123		100		113		111		126	125	115
DE-11-1-22733-2022	DE-11-139	8	120		101		110		107		122	123*	112
DE-11-1-22621-2022-K	DE-11-171	1	125	65.2	104	4	117	4	115	4	129	123	119
DE-11-1-22622-2022**	DE-11-171	1	120		(102)		(110)		(108)		(124)	(121)	113
DE-11-1-22624-2022	DE-11-171	1	124	75.3	107	3.8	114	4	113	4	129	122	119
DE-11-1-22750-2022	DE-11-201	4	122		(102)		119		119		113	(121)	115
DE-11-1-22853-2022	DE-11-201	4	117		101		103		98		128	121*	109

Only one Varroa trait was recorded

Colony without performance tests