

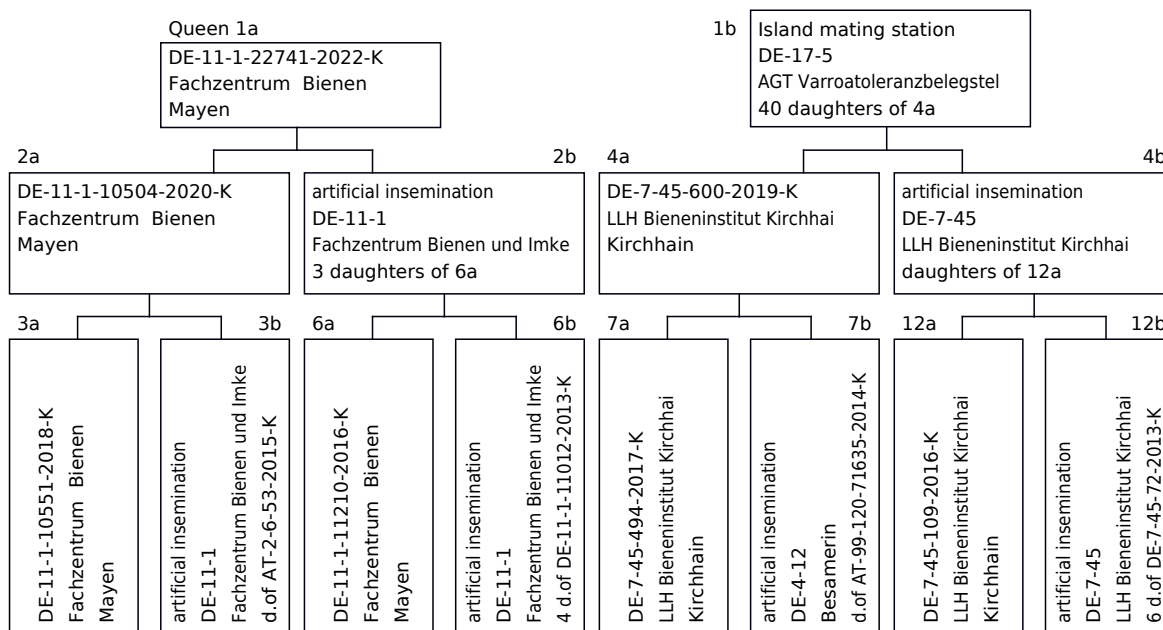
Tester of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1, Apiary 10  
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1  
**1a** Studbook number: **DE-11-1-22741-2022-K**

Race line: -72  
 Generation: 16

Sign: yellow  
 Hatch date:

Daughters of  
 Queen: 6.8%  
 Workers: 2.5%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 520			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	76.2	100.1	11	14	76.1
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	122			
Honey yield	-	102			0.5
Defensive behavior	3.60	110			0.59
Steadiness on comb	3.50	109			0.59
Swarming drive	4	124			0.55
Varroa	-	124			0.57
Performance index	-	113			0.5
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength					

<sup>1</sup>In 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.

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### 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	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	76.2	102	3.6	110	3.5	109	4	124	124	113
DE-11-1-22744-2022	DE-11-1	16	118	10	99	2.4	110	2.3	108	4	124	119	112
DE-11-1-22858-2022-K	DE-11-1	16	121	25	102	2.3	110	2.5	109	4	125	122	114
DE-11-1-22735-2022-K	DE-11-1	31	118	42.7	103	3.9	110	3.4	109	3.8	124	116	113
DE-11-1-22896-2022-K	DE-11-1	31	123	31.7	100	4	113	3.6	111	4	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		104		117		115		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		107		114		113		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