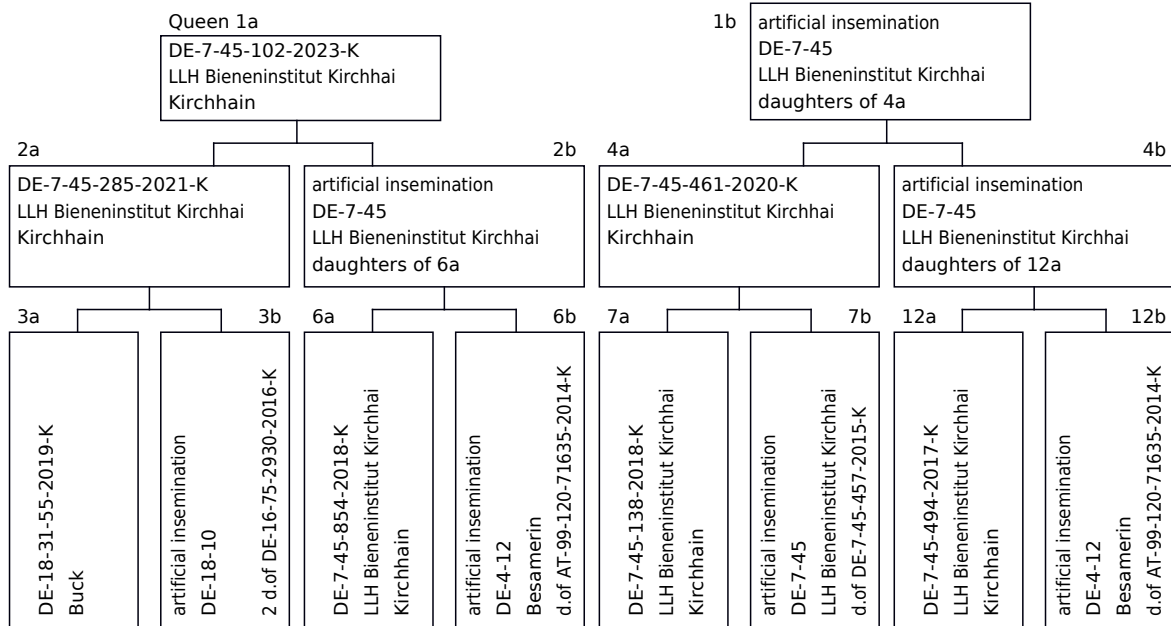









Tester of the queen: LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45, Apiary 3  
Breeder of the queen: LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45  
**1a** Studbook number: **DE-7-45-102-2023-K**

Race line: -Carnica Sign: red 63-10 Daughters of Queen: 2.0%  
Generation: 2 Hatch date: 22.05.2023 Workers: 4.0%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 230			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	49	124.9	9	18	39.2	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	111				
Honey yield	-	101				0.45
Defensive behavior	2.70	103				0.57
Steadiness on comb	2.80	103				0.59
Swarming drive	4	119				0.46
Varroa	-	110				0.51
Performance index	-	108				0.45
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

none Analysis of race characteristics

### 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-7-45-102-2023-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 6

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 ndex
DE-7-45-104-2023-K	DE-7-45	1	106	33.5	102	2.6	109	2.3	103	4	119	104	105
DE-7-45-117-2023	DE-7-45	1	107	32.8	103	3.5	110	3	108	4	119	97	112
DE-7-45-102-2023-K	DE-7-45	3	111	49	101	2.7	103	2.8	103	4	119	110	108
DE-7-45-103-2023	DE-7-45	3	108	44.1	101	2.9	104	2.6	102	4	119	104	108
DE-7-45-105-2023	DE-7-45	4	111	40.4	103	3.1	107	3	107	4	123	105	112
DE-7-45-123-2023	DE-7-166	2	108		100		103		102		117	106	107