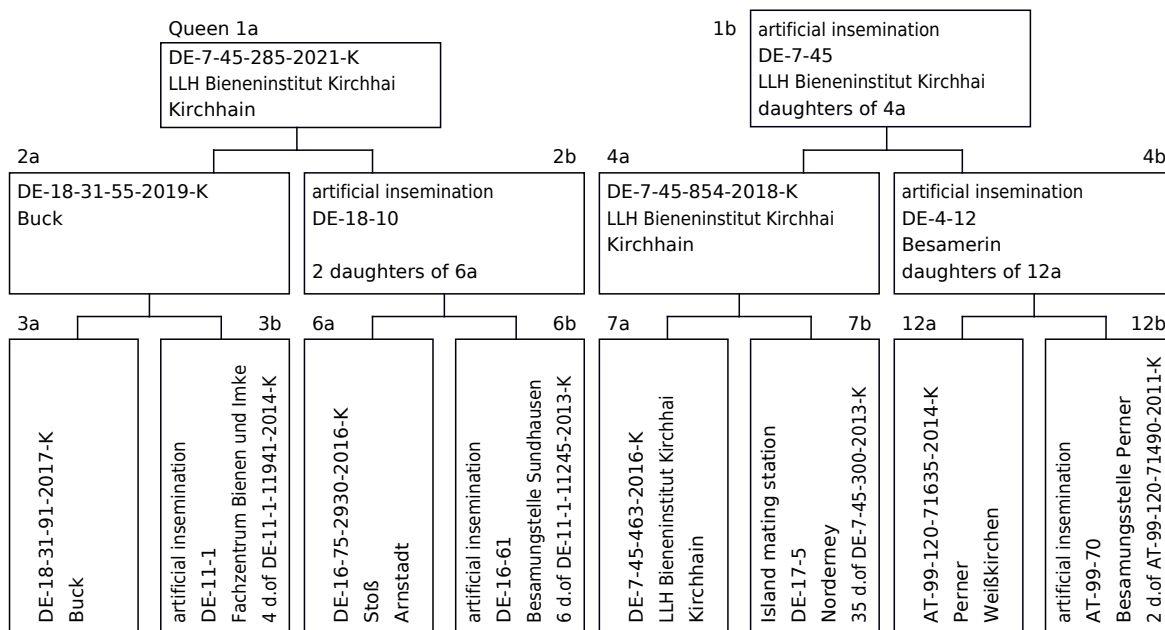


Tester of the queen: LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45, Apiary 3
 Breeder of the queen: LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45
1a Studbook number: **DE-7-45-285-2021-K**

Race line: -Carnica Sign: white 32-8 Daughters of Queen: 4.7%
 Generation: 1 Hatch date: 30.05.2021 Workers: 2.0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 285			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	64.4	99.6	10	20	64.7
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	117			
Honey yield	-	107			
Defensive behavior	2.60	116			
Steadiness on comb	2.60	115			
Swarming drive	3	101			
Varroa	-	119			
Performance index	-	111			
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

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-7-45-285-2021-K

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Performance of the sisters

Amount of checked sisters: 4

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 ndex
DE-7-45-285-2021-K	DE-7-45	3	117	64.4	107	2.6	116	2.6	115	3	101	119	111
DE-7-45-283-2021-K	DE-7-45	4	117	51.8	108	2.8	117	2.3	115	2	96	120	110
DE-7-45-281-2021	DE-7-161	1	114		105		114		112		97	116	108
DE-7-45-287-2021	DE-7-197	1	119		104		120		117		101	121	112