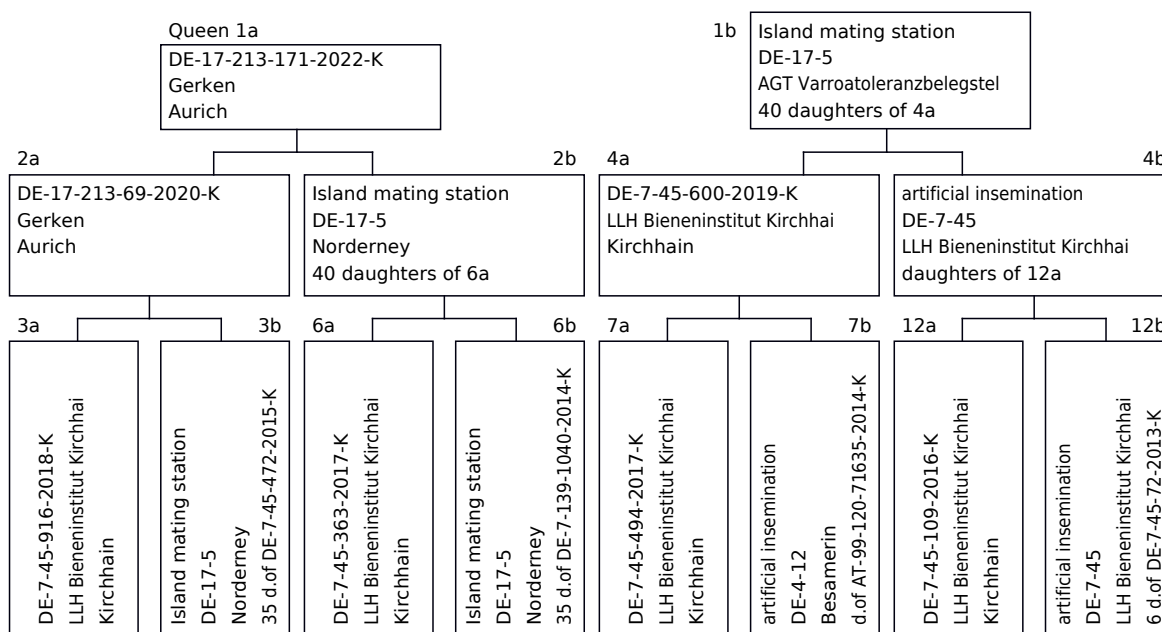


Tester of the queen: Bertelshofer, Josef, 92702 Kohlberg, DE-2-398, Apiary 1
 Breeder of the queen: Gerken, Helmut, 26605 Aurich, DE-17-213
1a Studbook number: **DE-17-213-171-2022-K**

Race line: -JB Sign: yellow 71 Daughters of Queen: 9.4%
 Generation: 1 Hatch date: 26.05.2022 Workers: 2.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 31			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	63	109.6	7	14	57.5	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	112				
Honey yield	-	102				0.46
Defensive behavior	4	108				0.55
Steadiness on comb	3.50	103				0.55
Swarming drive	4	116				0.52
Varroa	-	111				0.53
Performance index	-	109				0.46
Robustness in winter	4		70% 100% 170%			
Development in Spring	4					
Colony strength	4					

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-17-213-171-2022-K

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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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-17-213-171-2022-K	DE-2-398	1	112	63	102	4	108	3.5	103	4	116	111	109
DE-17-213-170-2022	DE-12-47	1	111		99		112		inspection 105		114	108	109
DE-17-213-82-2022**	DE-17-213	6	110		(100)		(105)		(101)		(114)	(111)	106
DE-17-213-84-2022	DE-17-213	6	110		103		105		101		115	109	107
DE-17-213-86-2022	DE-17-213	6	108		96		104		100		110	111	103
DE-17-213-87-2022	DE-17-213	6	111		103		105		100		115	111	107
DE-17-213-90-2022	DE-17-213	6	111		104		105		101		115	111	107
DE-17-213-83-2022	DE-17-213	8	108		100		105		100		112	108	105
DE-17-213-85-2022-K	DE-17-213	8	111		102		105		100		112	112	105
DE-17-213-89-2022	DE-17-213	8	109		98		106		101		117	109	106

Colony without performance tests