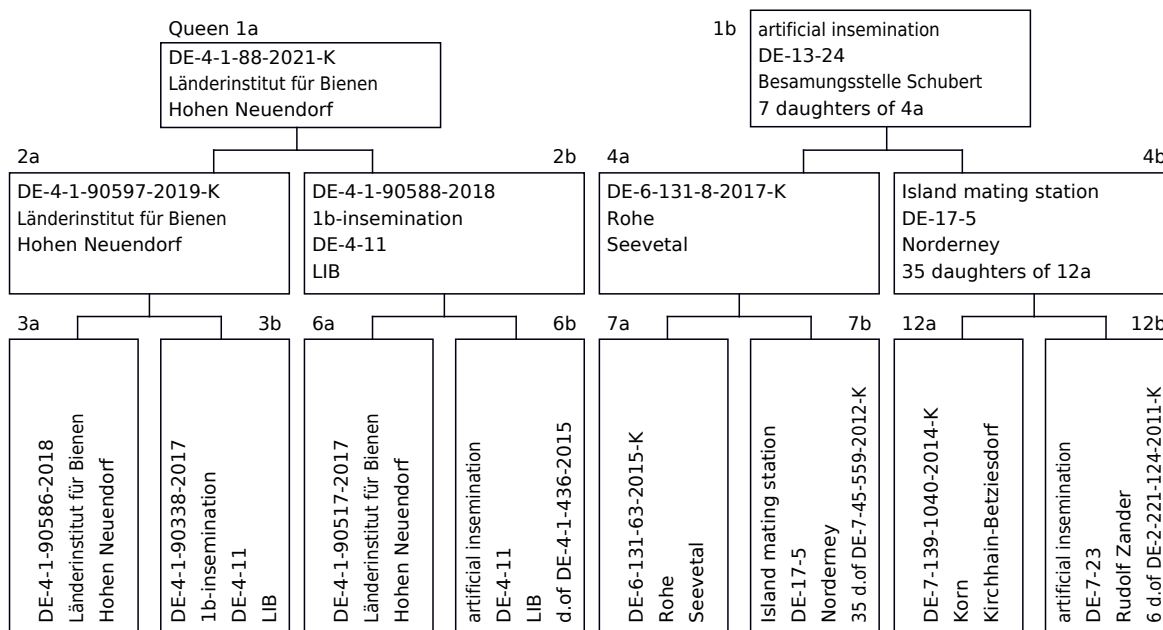


Tester of the queen: Schubert, Jörg, 01796 Dohma, DE-13-430, Apiary 2
 Breeder of the queen: Länderinstitut für Bienenkunde, 16540 Hohen Neuendorf, DE-4-1
1a Studbook number: **DE-4-1-88-2021-K**

Race line: -90 Sign: white 88 Daughters of Queen: 6.5%
 Generation: 1 Hatch date: 31.05.2021 Workers: 1.4%

A. Pedigree



B. Own performance

Performance test year	No. of the colony M 1			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	82.9	103.3	4	10	80.3
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	115	[Bar chart]		
Honey yield	-	100	[Bar chart]		
Defensive behavior	3	99	[Bar chart]		
Steadiness on comb	3	90	[Bar chart]		
Swarming drive	3.70	116	[Bar chart]		
Varroa	-	128	[Bar chart]		
Performance index	-	101	[Bar chart]		
Robustness in winter			70%	100%	170%
Development in Spring	3				
Colony strength	2.50				

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 P

Use only for test breeding. The offspring of these colonies should not circulate among other bees.

Breeding selection report DE-4-1-88-2021-K

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Performance of the sisters

Amount of checked sisters: 2

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-4-1-89-2021	DE-13-430	1	113	58.1	96	3	99	3	90	3.5	116	128	98
DE-4-1-88-2021	DE-13-430	2	115	82.9	100	3	99	3	90	3.7	116	128	101