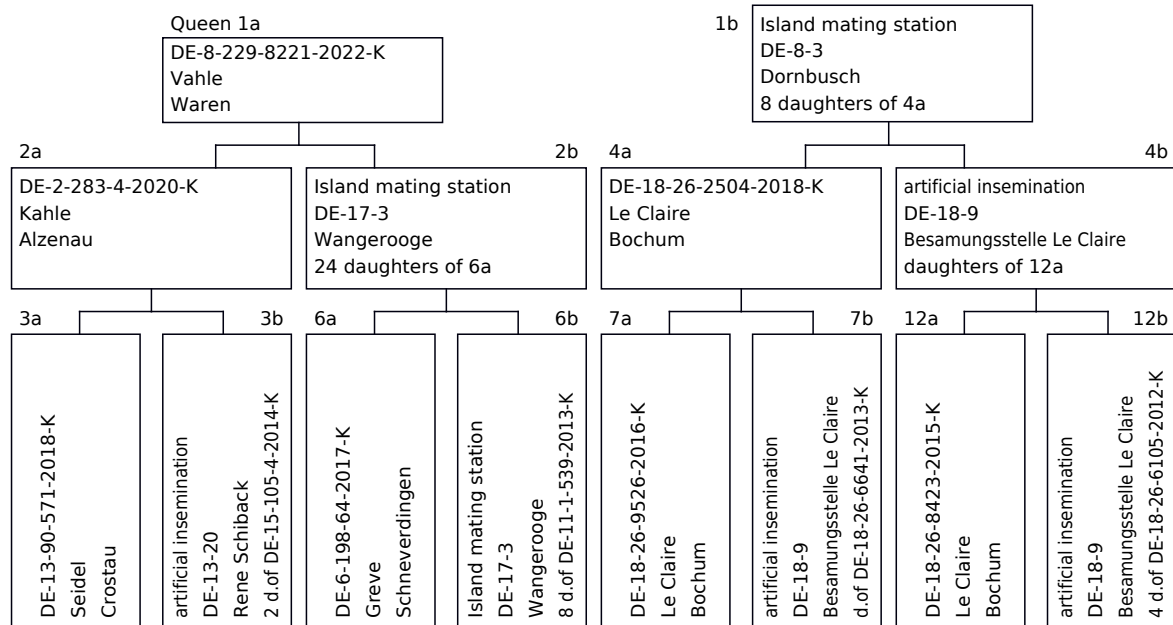


Tester of the queen: Schmoll, Christian, 17194 Moltzow, DE-8-222, Apiary 1  
 Breeder of the queen: Vahle, Matthias, 17192 Waren, DE-8-229  
**1a** Studbook number: **DE-8-229-8221-2022-K**

Race line: Sign: yellow 29  
 Generation: 1 Hatch date: 28.06.2022

Daughters of Queen: 1.8%  
 Workers: 0.8%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 3			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	72	119.6	1	5	60.2
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	106			
Honey yield	-	117			0.34
Defensive behavior	3.55	108			0.43
Steadiness on comb	3.75	114			0.43
Swarming drive	3.50	103			0.38
Varroa	-	(95)			0.34
Performance index	-	113			0.34
Robustness in winter			70%	100%	170%
Development in Spring	3.83				
Colony strength	3.90				

<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 A

Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

# Breeding selection report DE-8-229-8221-2022-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 14

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-8-1-8150-2022-K	DE-8-2	1	105		116		Behavior		during		drive	93	111
DE-8-1-8154-2022-K	DE-8-2	1	107		117		110		inspection		103	95	114
DE-8-1-8156-2022-K	DE-8-2	1	106		116		107		113		102	96	111
DE-8-1-8144-2022-K	DE-8-2	2	103		114		107		114		96	93	109
DE-8-1-8146-2022	DE-8-2	3	107		117		109		115		102	96	113
DE-8-1-8153-2022-K	DE-8-2	3	106		111		111		116		109	93	114
DE-8-1-8179-2022-K	DE-8-2	3	108		111		110		116		102	99	111
DE-8-1-8147-2022-K	DE-8-2	4	102		109		105		108		108	92	109
DE-8-1-8148-2022	DE-8-2	4	107		116		109		117		102	96	113
DE-8-229-8218-2022	DE-8-222	1	106	51	113	3.8	110	3.7	115	3.5	103	(95)	112
DE-8-229-8219-2022-D	DE-8-222	1	107	69	117	3.7	109	3.8	115	3.5	103	(95)	113
DE-8-229-8220-2022	DE-8-222	1	103	50	111	3.5	106	3.4	110	3	99	(95)	108
DE-8-229-8221-2022-K	DE-8-222	1	106	72	117	3.6	108	3.8	114	3.5	103	(95)	113
DE-8-229-8222-2022-D	DE-8-222	1	105	59	114	3.6	107	3.4	112	3.5	102	(95)	110