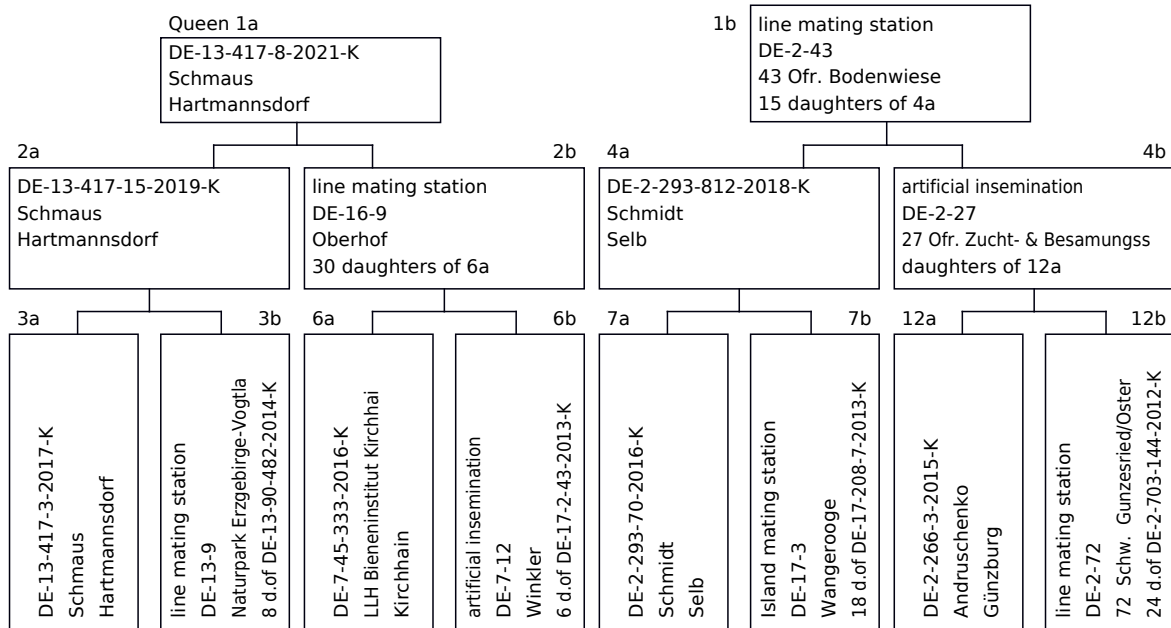


Tester of the queen: Schmaus, Armin, 09232 Hartmannsdorf, DE-13-417, Apiary 2  
 Breeder of the queen: Schmaus, Armin, 09232 Hartmannsdorf, DE-13-417  
**1a** Studbook number: **DE-13-417-8-2021-K**

Race line: -C-Schmaus Sign: white 8 Daughters of Queen: 1.4%  
 Generation: 5 Hatch date: 22.06.2021 Workers: 0.8%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony S 06			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	90	192.1	1	9	46.9
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	111			
Honey yield	-	117			0.34
Defensive behavior	3.50	112			0.44
Steadiness on comb	3.75	111			0.43
Swarming drive	4	117			0.32
Varroa	-	(99)			0.32
Performance index	-	116			0.34
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

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-13-417-8-2021-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 17

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-13-417-2-2021-D	DE-13-417	1	110	75.6	114	3.5	114	3.8	109	4	117	(99)	115
DE-13-417-3-2021	DE-13-417	1	111	76.2	114	3.8	115	3.8	111	4	117	(99)	116
DE-13-417-4-2021**	DE-13-417	1	109		(111)		(113)		(109)		(115)	(99)	114
DE-13-417-6-2021**	DE-13-417	1	109		(111)		(113)		(109)		(115)	(99)	114
DE-13-417-7-2021	DE-13-417	1	109		(111)		(113)		(109)		(115)	(99)	114
DE-13-417-13-2021	DE-13-417	1	107	21.8	107	3.5	110	3	104	4	113	(99)	110
DE-13-417-14-2021	DE-13-417	1	109	34.5	109	3.5	112	3.5	109	4	115	(99)	113
DE-13-417-15-2021	DE-13-417	1	109	39.6	109	3.8	114	3.5	109	4	115	(99)	114
DE-13-417-16-2021	DE-13-417	1	108	23.3	108	3.5	112	3.5	109	4	115	(99)	112
DE-13-417-1-2021	DE-13-417	2	107	40.1	109	3.5	109	3	104	4	114	(99)	110
DE-13-417-5-2021-K	DE-13-417	2	111	69.5	114	3.8	115	3.8	112	4	117	(99)	116
DE-13-417-8-2021-K	DE-13-417	2	111	90	117	3.5	112	3.8	111	4	117	(99)	116
DE-13-417-9-2021-D	DE-13-417	2	109	32.5	109	3.8	114	3.5	110	4	115	(99)	114
DE-13-417-11-2021-D	DE-13-417	2	109	29.6	108	3.8	114	3.5	110	4	115	(99)	114
DE-13-417-12-2021-D	DE-13-417	2	109	50.7	111	3.5	112	3.5	109	4	115	(99)	113
DE-13-417-17-2021-K	DE-13-417	2	111	56.8	112	3.8	115	3.8	112	4	117	(99)	116
DE-13-417-18-2021	DE-13-417	2	107	17.7	106	3.5	110	3	105	4	113	(99)	110

Colony without performance tests