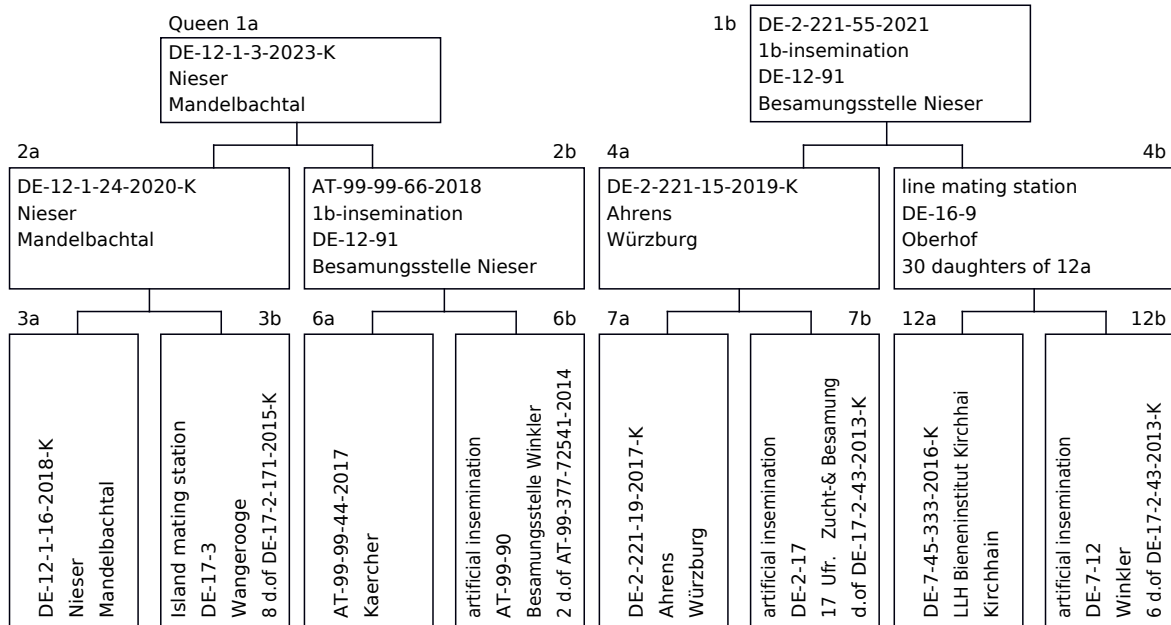


Tester of the queen: Nieser, Frank, 66399 Mandelbachtal, DE-12-1, Apiary 1  
 Breeder of the queen: Nieser, Frank, 66399 Mandelbachtal, DE-12-1  
**1a** Studbook number: **DE-12-1-3-2023-K**

Race line: -C-Saar Sign: red 3 Daughters of Queen: 2.5%  
 Generation: 14 Hatch date: 01.062023 Workers: 2.5%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 8			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	38	139.9	1	15	27.2	
	Assessment*		Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	125				
Honey yield	-	123				0.48
Defensive behavior	3.80	118				0.6
Steadiness on comb	3.80	117				0.6
Swarming drive	4	122				0.44
Varroa	-	118				0.54
Performance index	-	124				0.48
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 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-12-1-3-2023-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 8

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-12-1-5-2023**	DE-9-2	2	120		(117)		117		117		(117)	(113)	120
DE-12-1-8-2023	DE-9-2	2	120		116		116		116		122	111	121
DE-12-1-7-2023	DE-9-2	3	121		118		117		116		122	113	122
DE-12-1-1-2023	DE-12-1	1	120	29	118	3.3	114	3.3	113	4	118	115	119
DE-12-1-2-2023	DE-12-1	1	121	23	115	3.6	117	3.6	116	4	118	115	120
DE-12-1-3-2023-K	DE-12-1	1	125	38	123	3.8	118	3.8	117	4	122	118	124
DE-12-1-4-2023	DE-12-1	1	122	25	116	3.8	119	3.8	118	4	119	115	122
DE-12-1-6-2023	DE-12-1	1	118	29	118	3.4	115	3.4	114	4	119	109	119

Colony without performance tests