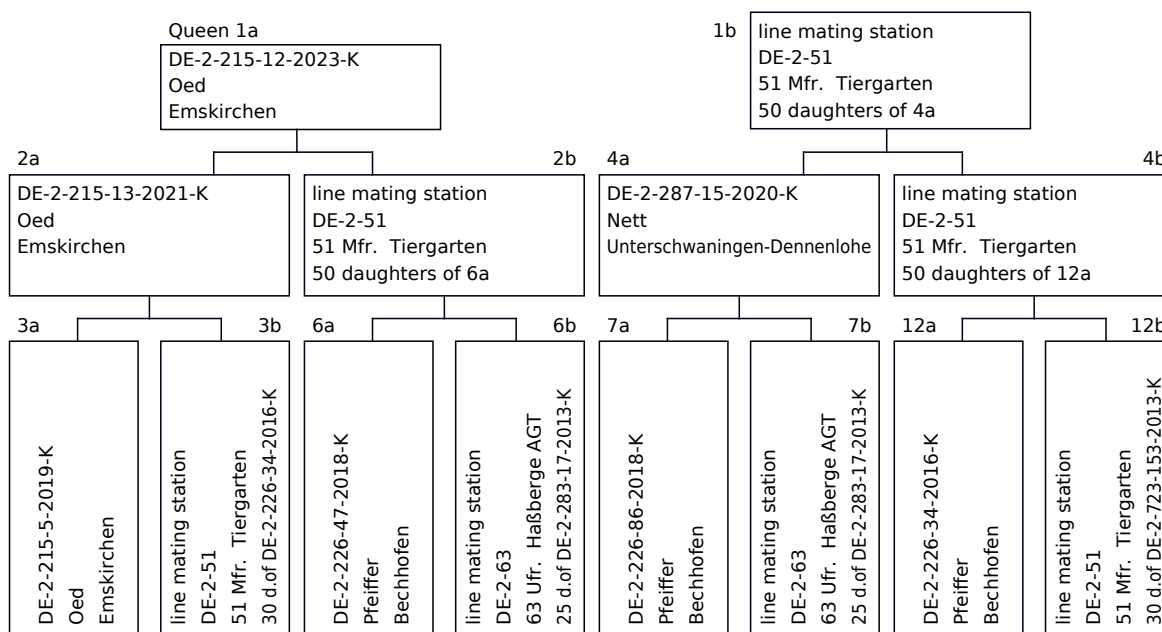


Tester of the queen: Oed, Daniela, 91448 Emskirchen, DE-2-215, Apiary 5
 Breeder of the queen: Oed, Daniela, 91448 Emskirchen, DE-2-215
1a Studbook number: **DE-2-215-12-2023-K**

Race line: -Oed Sign: red Daughters of Queen: 7.6%
 Generation: Hatch date: 20.05.2023 Workers: 9.3%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 12			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	23	127.6	7	20	18.0
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	106			
Honey yield	-	105			0.51
Defensive behavior	3.50	104			0.59
Steadiness on comb	3.50	106			0.59
Swarming drive	4	103			0.49
Varroa	-	105			0.55
Performance index	-	105			0.51
Robustness in winter	4		70%	100%	170%
Development in Spring	3.50				
Colony strength	3				

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-2-215-12-2023-K

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Performance of the sisters

Amount of checked sisters: 21

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-2-215-2-2023	DE-2-215	5	102	19	103	3.5	104	3.5	106	4	103	97	105
DE-2-215-8-2023-K	DE-2-215	5	104	11	99	3	98	3	100	4	99	108	99
DE-2-215-12-2023-K	DE-2-215	5	106	23	105	3.5	104	3.5	106	4	103	105	105
DE-2-215-15-2023-K	DE-2-215	5	97	21	103	3	98	3	100	4	101	92	100
DE-2-215-17-2023	DE-2-215	5	104	1.5	95	3	99	3	101	4	98	109	98
DE-2-215-21-2023**	DE-2-215	5	101		(102)		(100)		(102)		(101)	(99)	101
DE-2-215-45-2023-K	DE-2-501	1	100		105		99		100		102	96	102
DE-2-215-43-2023-K	DE-2-501	2	101		104		101		102		105	96	103
DE-2-215-44-2023**	DE-2-501	2	101		(102)		(100)		(102)		(101)	(99)	101
DE-2-215-41-2023	DE-2-501	3	100		102		100		101		89	101	98
DE-2-215-42-2023**	DE-2-501	3	101		(102)		(100)		(102)		(101)	(99)	101
DE-2-215-31-2023	DE-2-502	2	104		(104)		105		107		102	(99)	105
DE-2-215-32-2023-K	DE-2-502	2	102		100		107		109		102	96	105
DE-2-215-33-2023-K	DE-2-502	2	101		98		99		100		100	101	99
DE-2-215-34-2023	DE-2-502	2	98		99		96		100		100	96	99
DE-2-215-35-2023**	DE-2-502	2	101		(102)		(100)		(102)		(101)	(99)	101
DE-2-215-51-2023-K	DE-2-503	1	103		102		97		99		103	105	100
DE-2-215-52-2023-K	DE-2-503	1	97		101		97		101		98	94	99
DE-2-215-53-2023**	DE-2-503	1	101		(102)		(100)		(102)		(101)	(99)	101
DE-2-215-54-2023-K	DE-2-503	2	101		104		93		97		105	102	100
DE-2-215-55-2023-K	DE-2-503	2	105		104		104		106		105	101	105

Colony without performance tests