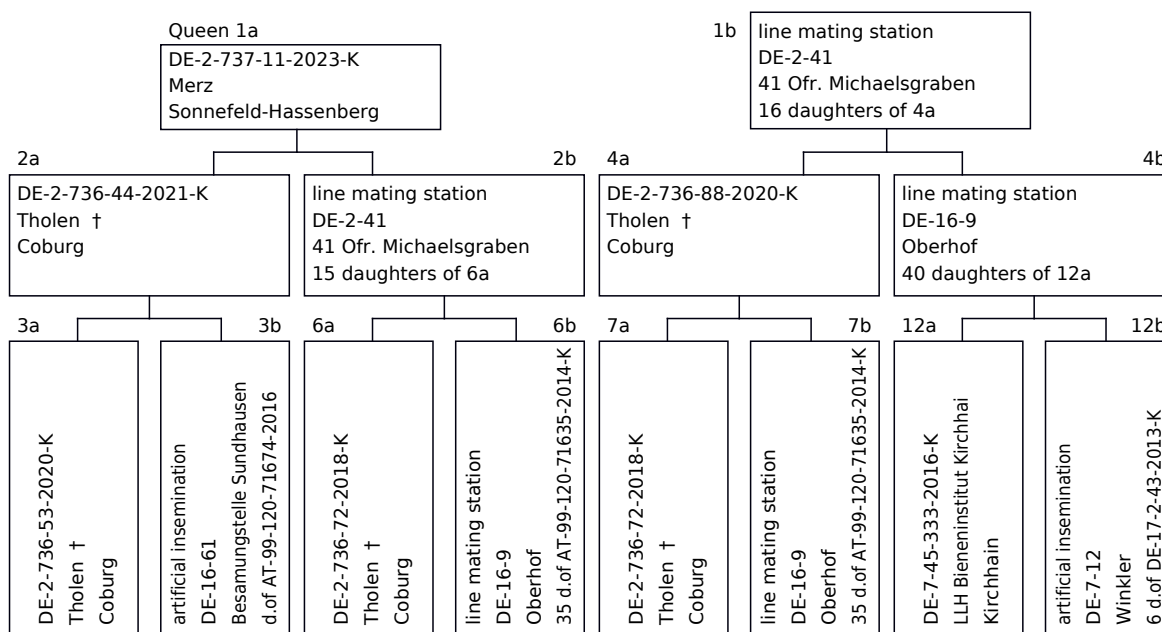


Tester of the queen: Michaelsgraben, Zuchtgemeinschaft, 96450 Coburg, DE-2-734, Apiary 1
 Breeder of the queen: Merz, Tobias, 96242 Sonnefeld-Hassenberg, DE-2-737
1a Studbook number: **DE-2-737-11-2023-K**

Race line: -736 Sign: red 11 Daughters of Queen: 7.4%
 Generation: 1 Hatch date: 01.06.2023 Workers: 7.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	47	125	4	15	37.6
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	114			
Honey yield	-	112			0.44
Defensive behavior	3.50	110			0.54
Steadiness on comb	4	111			0.54
Swarming drive	4	115			0.45
Varroa	-	109			0.46
Performance index	-	114			0.44
Robustness in winter	4		70%	100%	170%
Development in Spring	3				
Colony strength	4				

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-2-737-11-2023-K

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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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-2-737-13-2023	DE-2-732	1	103		115		Behavior		99		102	102	
DE-2-737-15-2023	DE-2-732	1	97		114		90		inspection		101	95	98
DE-2-734-301-2023	DE-2-734	1	100	30	105	2.5	95	2	91	3	106	100*	99
DE-2-734-322-2023	DE-2-734	1	104	35.4	107	2.5	96	2.5	95	3.5	110	104	102
DE-2-737-2-2023	DE-2-734	1	113	49	112	3	106	4	109	4	115	109	112
DE-2-737-11-2023-K	DE-2-734	1	114	47	112	3.5	110	4	111	4	115	109	114
DE-2-734-317-2023	DE-2-747	1	108		108		105		105		112	103*	109
DE-2-734-329-2023	DE-2-747	1	109		109		112		109		113	101	113

Only one Varroa trait was recorded