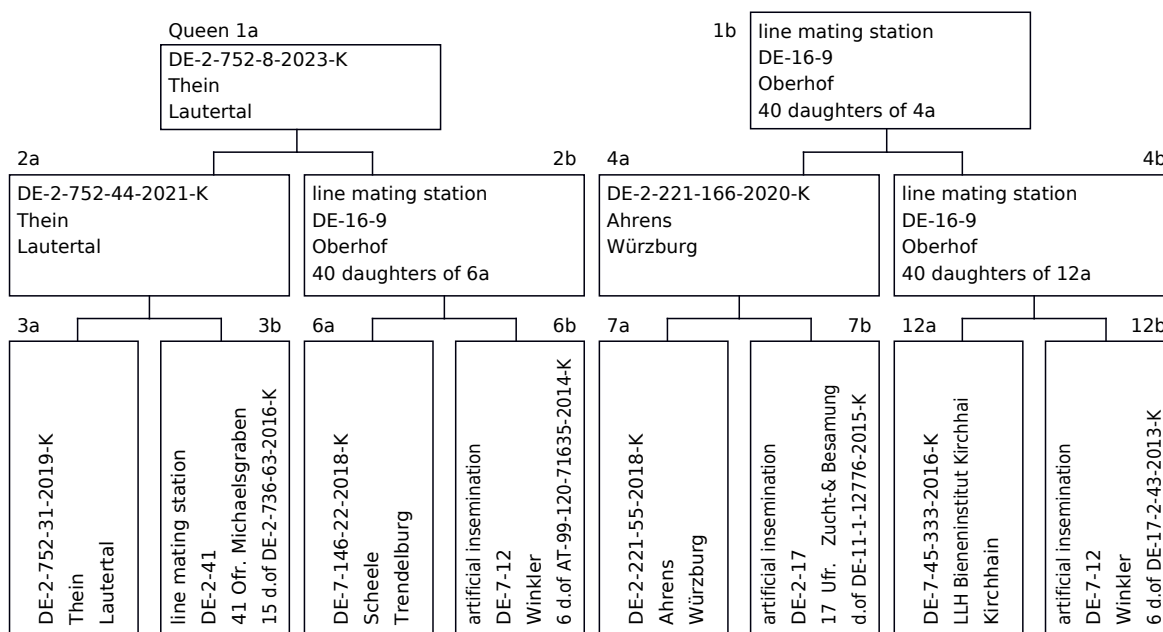


Tester of the queen: Thein, Thomas, 96486 Lautertal, DE-2-752, Apiary 1
Breeder of the queen: Thein, Thomas, 96486 Lautertal, DE-2-752
1a Studbook number: **DE-2-752-8-2023-K**

Race line: -ca Sign: red 8 Daughters of Queen: 0.4%
Generation: 3 Hatch date: 05.06.2023 Workers: 1.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 39			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	54.8	92.7	8	12	59.1
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	113			
Honey yield	-	107			0.4
Defensive behavior	3.86	111			0.48
Steadiness on comb	3.07	109			0.48
Swarming drive	4	107			0.36
Varroa	-	111			0.42
Performance index	-	110			0.4
Robustness in winter	2		70%	100%	170%
Development in Spring	2				
Colony strength	2				

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-2-752-8-2023-K

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Performance of the sisters

Amount of checked sisters: 20

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-2-752-1-2023	DE-2-297	5	112		108		108		108		108	110	110
DE-2-752-2-2023	DE-2-297	5	112		109		109		109		107	109	110
DE-2-752-3-2023	DE-2-312	1	110		105		110		108		104	107	108
DE-2-752-4-2023	DE-2-312	1	111		107		112		112		107	107	111
DE-2-752-5-2023	DE-2-752	1	106	95.6	111	3.6	106	2.6	104	4	107	99	108
DE-2-752-6-2023	DE-2-752	1	112	70.7	109	3.9	113	3.3	111	4	108	107	112
DE-2-752-7-2023	DE-2-752	1	109		(106)	2.9	104	3.1	106	4	106	(108)	106
DE-2-752-8-2023-K	DE-2-752	1	113	54.8	107	3.9	111	3.1	109	4	107	111	110
DE-2-752-9-2023-K	DE-2-752	1	113	106.7	113	3.7	110	3.3	110	4	109	109	112
DE-2-752-11-2023	DE-2-752	1	112	57.3	108	3.9	112	3.2	111	4	107	109	111
DE-2-752-12-2023-K	DE-2-752	1	111	80.9	110	3.9	113	3.3	111	4	108	105	112
DE-2-752-14-2023-K	DE-2-752	1	114	69.8	109	3.9	113	3.6	113	4	108	109	113
DE-2-752-15-2023-K	DE-2-752	1	110	24.6	104	3.6	108	2.8	107	4	105	110	107
DE-2-752-16-2023	DE-2-752	1	109	20.3	104	3.9	112	3.1	110	4	105	105*	109
DE-2-752-17-2023**	DE-2-752	1	111		(108)		(110)		(109)		(107)	(108)	110
DE-2-752-19-2023**	DE-2-752	1	111		(108)		(110)		(109)		(107)	(108)	110
DE-2-752-20-2023-K	DE-2-752	1	115	50.3	107	3.9	113	3.4	112	4	107	114	111
DE-2-752-21-2023**	DE-2-752	1	111		(108)		(110)		(109)		(107)	(108)	110
DE-2-752-22-2023**	DE-2-752	1	111		(108)		(110)		(109)		(107)	(108)	110
DE-2-752-23-2023**	DE-2-752	1	111		(108)		(110)		(109)		(107)	(108)	110

Only one Varroa trait was recorded

Colony without performance tests