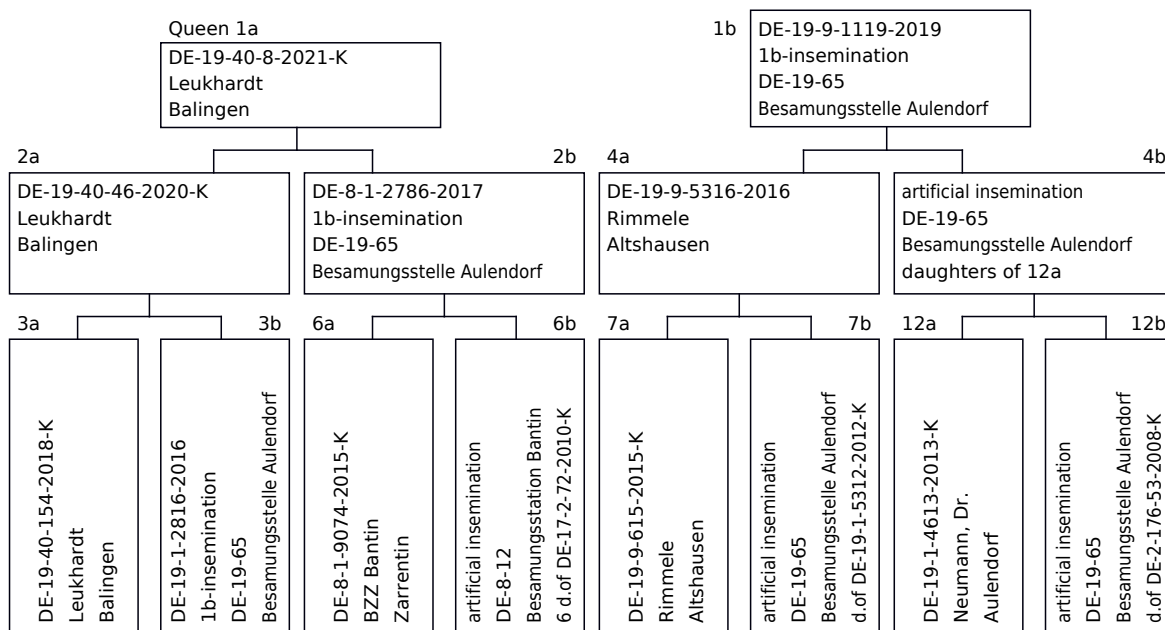


Tester of the queen: Leukhardt, Thomas, 72336 Balingen, DE-19-40, Apiary 7
 Breeder of the queen: Leukhardt, Thomas, 72336 Balingen, DE-19-40
1a Studbook number: **DE-19-40-8-2021-K**

Race line: -TLW 04 Sign: white 8 Daughters of Queen: 0.2%
 Generation: Hatch date: 20.5.2021 Workers: 4.2%

A. Pedigree



B. Own performance

Performance test year	No. of the colony W 01			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	51	96.6	7	13	52.8	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	101				
Honey yield	-	99				0.48
Defensive behavior	3.88	105	■			0.61
Steadiness on comb	4	107	■			0.61
Swarming drive	4	114	■			0.49
Varroa	-	(91)	■			0.24
Performance index	-	107	■			0.48
Robustness in winter	4		70% 100% 170%			
Development in Spring	4					
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

none Analysis of race characteristics

E. Results

Class P

Use only for test breeding. The offspring of these colonies should not circulate among other bees.

Breeding selection report DE-19-40-8-2021-K

Page 2

Performance of the sisters

Amount of checked sisters: 10

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 ndex
DE-19-40-7-2021	DE-19-40	2	101	25	96	4	105	3.8	107	4	114	(91)	106
DE-19-40-3-2021	DE-19-40	4	100	3	94	3.8	105	4	107	4	114	(91)	106
DE-19-40-9-2021	DE-19-40	4	99	38	100	3	99	3.8	103	4	113	(91)	104
DE-19-40-4-2021	DE-19-40	5	99	27	97	3.4	101	3.6	103	4	112	(91)	104
DE-19-40-15-2021	DE-19-40	6	100	28	98	3.5	102	4	105	4	115	(91)	106
DE-19-40-40-2021	DE-19-40	6	101	29	98	4	106	4	107	4	115	(91)	107
DE-19-40-5-2021	DE-19-40	7	101	49	98	3.9	105	4	107	4	114	(91)	107
DE-19-40-8-2021	DE-19-40	7	101	51	99	3.9	105	4	107	4	114	(91)	107
DE-19-40-12-2021	DE-19-40	7	101	54	99	3.8	104	4	106	4	114	(91)	107
DE-19-40-14-2021	DE-19-40	7	99	38	94	3.7	103	3.7	104	4	112	(91)	103