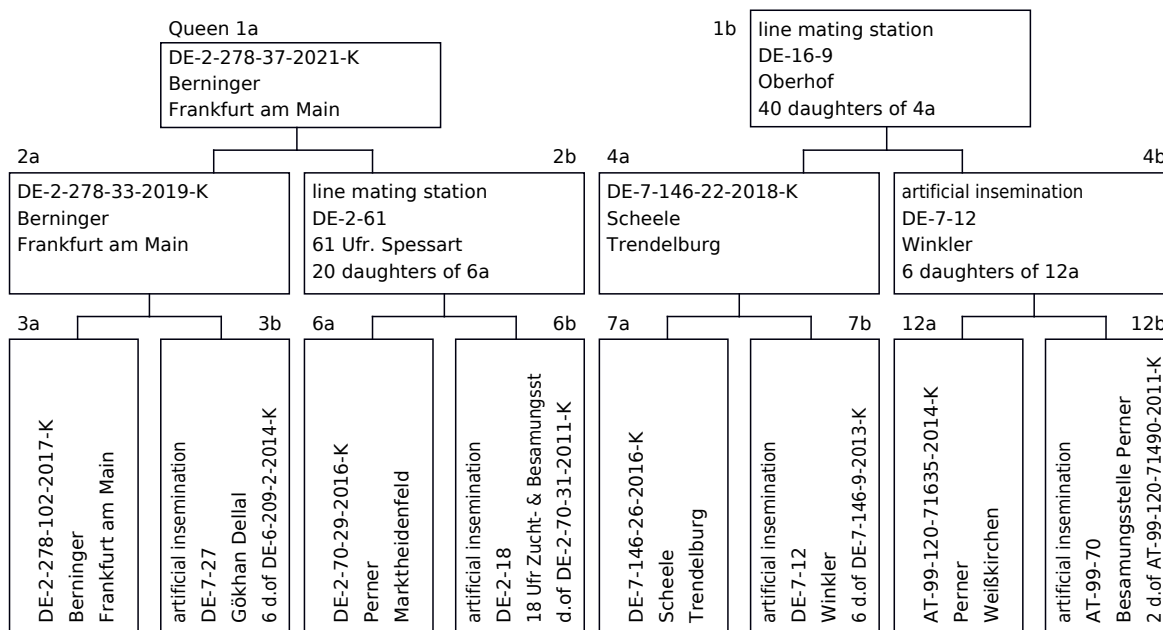









Tester of the queen: Ltg. Achim Fuchs, Prüfhof Kringell, 94116 Hutthurm, DE-2-502, Apiary 2
 Breeder of the queen: Berninger, Andreas, 60386 Frankfurt am Main, DE-2-278
1a Studbook number: **DE-2-278-37-2021-K**

Race line: -Spessart Sign: white 2 Daughters of Queen: 0.5%
 Generation: 2 Hatch date: 28.05.2021 Workers: 4.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	19	123.3	21	74	15.4
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	114			
Honey yield	-	111			0.46
Defensive behavior	2.90	116			0.56
Steadiness on comb	3.10	117			0.55
Swarming drive	4	101			0.51
Varroa	-	110			0.53
Performance index	-	113			0.46
Robustness in winter	2			70%	100%
Development in Spring	2.50				170%
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-2-278-37-2021-K

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Performance of the sisters

Amount of checked sisters: 7

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-2-278-28-2021	DE-2-502	2	112	32.1	113	3	113	3	113	2	113	111	109
DE-2-278-35-2021-K	DE-2-502	2	102	5	105	1.7	102	1.9	102	4	98	100	102
DE-2-278-36-2021-K	DE-2-502	2	116	33.1	116	3.2	118	3.1	117	4	102	111	115
DE-2-278-37-2021-K	DE-2-502	2	114	19	111	2.9	116	3.1	117	4	101	110	113
DE-2-278-38-2021-K	DE-2-502	2	112	12.5	108	2.3	108	2.2	107	4	99	115	106
DE-2-278-27-2021-K	DE-2-503	3	112		105		113		111		102	111	109
DE-2-278-29-2021-K	DE-2-503	3	113		108		114		114		96	113	109