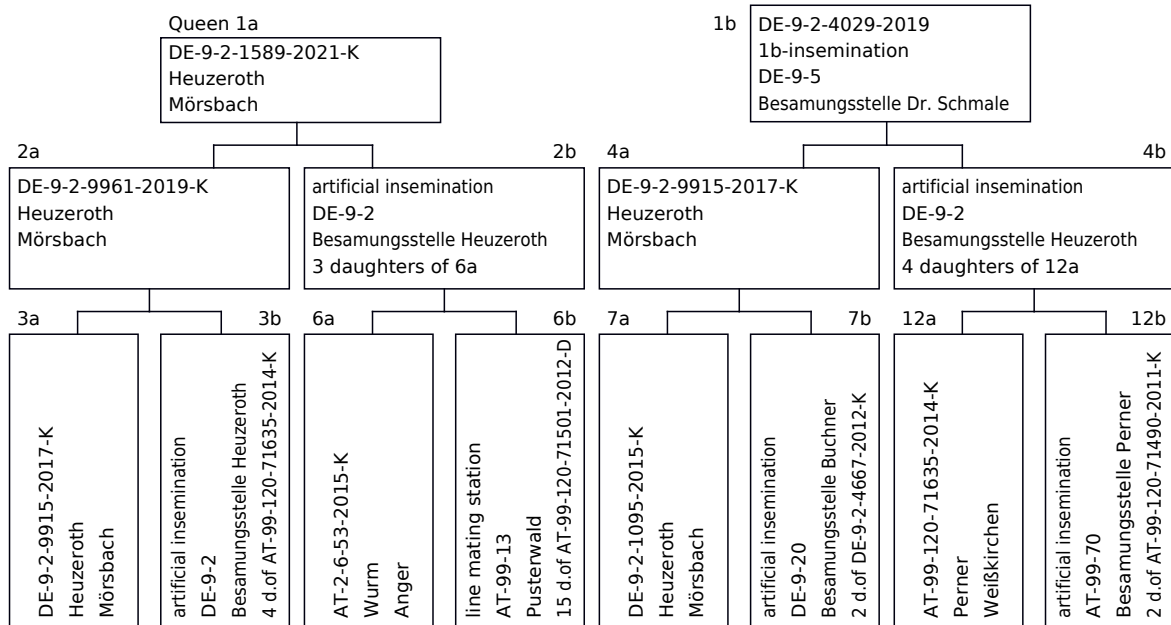


Tester of the queen: Heuzeroth, Siegfried, 57629 Mörsbach, DE-9-2, Apiary 2
 Breeder of the queen: Heuzeroth, Siegfried, 57629 Mörsbach, DE-9-2
1a Studbook number: **DE-9-2-1589-2021-K**

Race line: -AGT Sign: white 89 Daughters of Queen: 5.6%
 Generation: 9 Hatch date: 06.06.2021 Workers: 14.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 6			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	62.7	117.5	5	12	53.4
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	122			
Honey yield	-	118			0.49
Defensive behavior	4	122			0.61
Steadiness on comb	3.90	123			0.61
Swarming drive	4	118			0.54
Varroa	-	112			0.58
Performance index	-	123			0.49
Robustness in winter	3.50		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

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-9-2-1589-2021-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-9-2-1591-2021	DE-9-2	1	112	55	111	3.2	111	3.2	111	2	111	108	111
DE-9-2-1583-2021	DE-9-2	2	119	39.2	114	3.7	119	3.7	120	3.6	115	111	120
DE-9-2-1584-2021-K	DE-9-2	2	120	61.9	118	3.9	122	3.9	123	4	118	109	123
DE-9-2-1589-2021-K	DE-9-2	2	122	62.7	118	4	122	3.9	123	4	118	112	123
DE-9-2-1590-2021	DE-9-2	2	114	25.8	111	3.4	115	3.3	115	3	111	108	115
DE-9-2-1596-2021	DE-9-2	2	113	32.2	110	3	106	3	107	4	113	112*	110
DE-9-2-1599-2021	DE-9-2	2	119	60.5	115	3.8	116	3.8	117	4	115	114	118

Only one Varroa trait was recorded