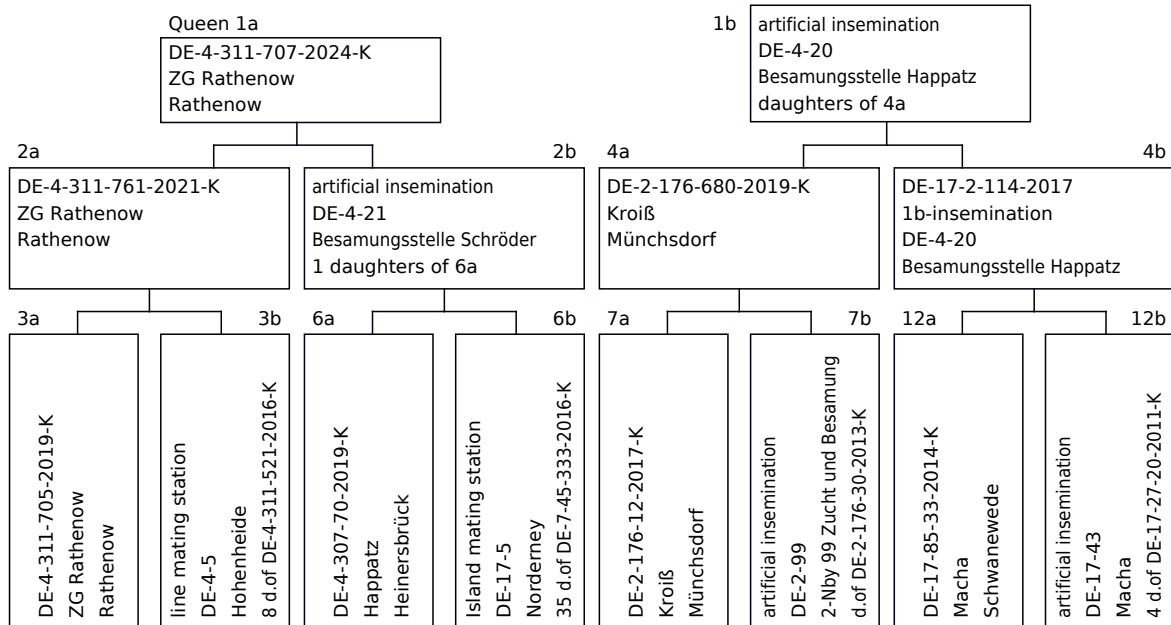


Tester of the queen: ZG Rathenow, Zuchtgemeinschaft, 14712 Rathenow, DE-4-311, Apiary 7
 Breeder of the queen: ZG Rathenow, Zuchtgemeinschaft, 14712 Rathenow, DE-4-311
1a Studbook number: **DE-4-311-707-2024-K**

Race line: -C Sign: green 7 Daughters of Queen: 0.9%
 Generation: Hatch date: 01.06.2024 Workers: 0.9%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 1			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	67.5	102.3	2	5	66.0
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	111			
Honey yield	-	122			0.38
Defensive behavior	4	107			0.42
Steadiness on comb	4	106			0.42
Swarming drive	4	116			0.36
Varroa	-	101			0.39
Performance index	-	115			0.38
Robustness in winter	3.80		70%	100%	170%
Development in Spring	3.70				
Colony strength	3.50				

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 A

Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

Breeding selection report DE-4-311-707-2024-K

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Performance of the sisters

Amount of checked sisters: 4

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 ndex
DE-4-311-701-2024	DE-4-311	7	108	64	119	4	Behavior	4	105	4	drive	99	112
DE-4-311-703-2024	DE-4-311	7	109	64.4	119	4	106	4	inspection	4	113	99	113
DE-4-311-707-2024-K	DE-4-311	7	111	67.5	122	4	107	4	106	4	116	101	115
DE-4-311-708-2024	DE-4-311	7	109	66	121	4	107	4	106	4	114	99	114