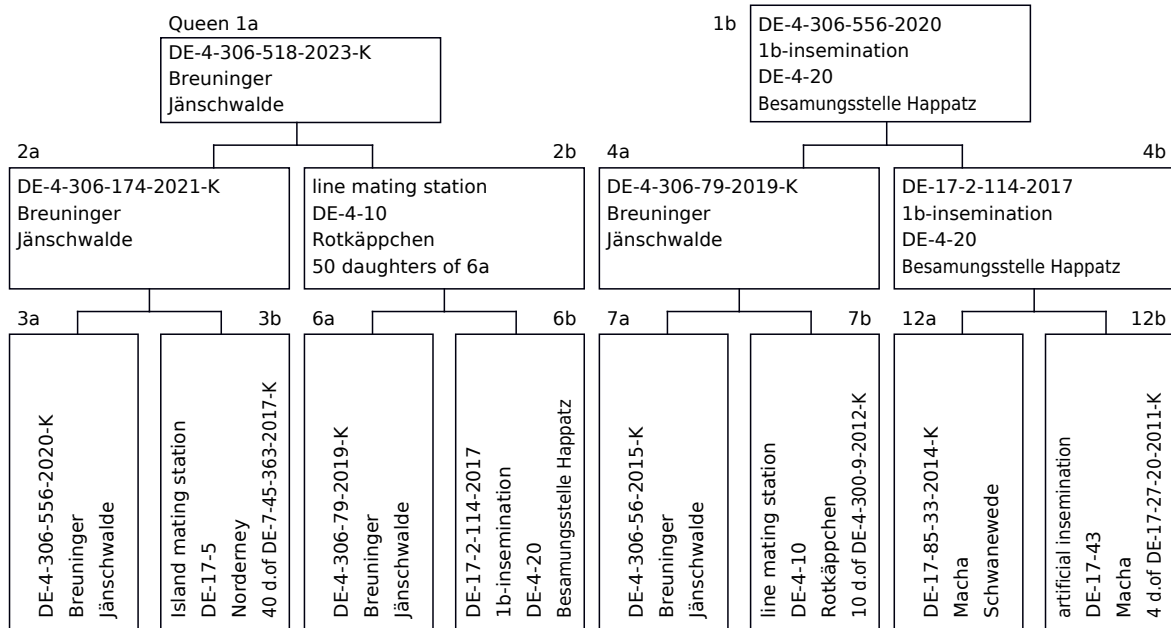


Tester of the queen: Breuninger, Hans Jörg, 03197 Jänschwalde, DE-4-306, Apiary 5
 Breeder of the queen: Breuninger, Hans Jörg, 03197 Jänschwalde, DE-4-306
1a Studbook number: **DE-4-306-518-2023-K**

Race line: -4/10-19 Sign: red 18 Daughters of Queen: 20.6%
 Generation: 6 Hatch date: Workers: 32.7%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	33	155.1	1	22	21.3
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	164			
Honey yield	-	153			0.56
Defensive behavior	4	162			0.68
Steadiness on comb	4	162			0.69
Swarming drive	4	139			0.57
Varroa	-	144			0.6
Performance index	-	164			0.56
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

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-4-306-518-2023-K

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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-4-306-503-2023	DE-4-306	1	162	88	150	3.9	164	4	164	4	139	141	164
DE-4-306-515-2023	DE-4-306	1	163	64	149	4	165	4	164	4	139	142	164
DE-4-306-506-2023	DE-4-306	4	158	78	147	4	157	4	157	4	135	140	158
DE-4-306-501-2023	DE-4-306	5	163	32	153	4	162	4	162	4	139	142	164
DE-4-306-507-2023	DE-4-306	5	163	31	152	4	162	4	162	4	139	142	163
DE-4-306-509-2023	DE-4-306	5	162	29	151	3.9	161	4	161	4	139	142	162
DE-4-306-512-2023	DE-4-306	5	163	31	152	4	162	4	162	4	139	143	163
DE-4-306-518-2023-K	DE-4-306	5	164	33	153	4	162	4	162	4	139	144	164
DE-4-306-519-2023	DE-4-306	5	162	28	150	4	162	4	162	4	139	142	163
DE-4-306-510-2023	DE-4-700	1	163		152		163		163		139	142	164