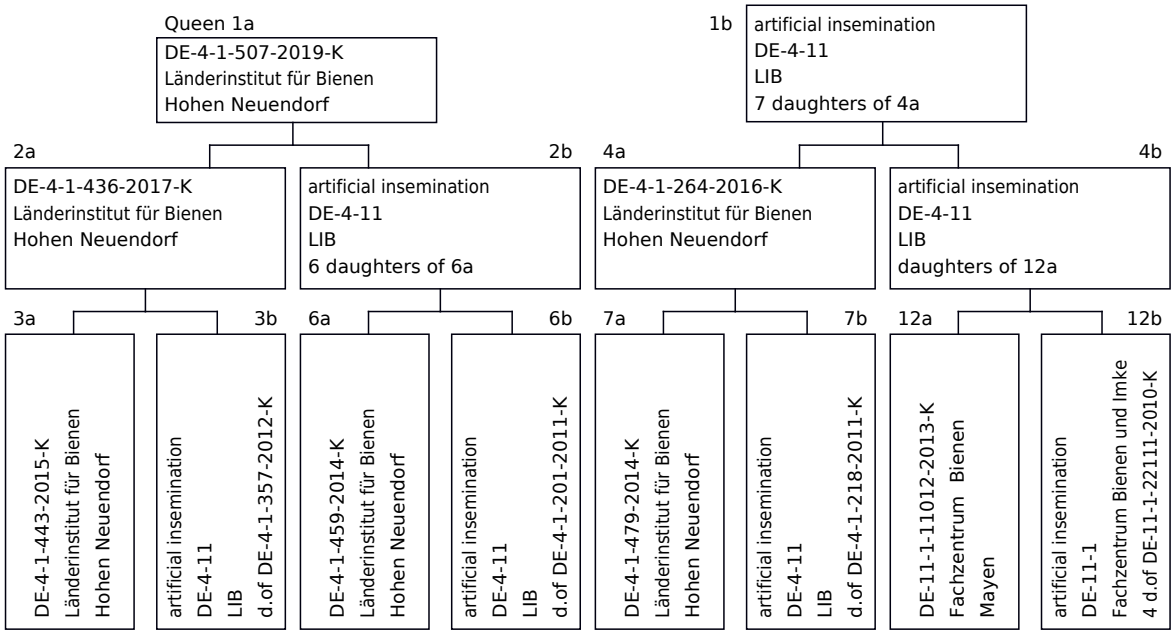
DEUTSCHER IMKERBUND E.V.

Breeding selection report
DE-4-1-507-2019-K

Tester of the queen:	Länderinstitut für Bienenkunde, 16540 Hohen Neuendorf, DE-4-1, Apiary 2	
Breeder of the queen:	Länderinstitut für Bienenkunde, 16540 Hohen Neuendorf, DE-4-1	
1a Studbook number:	**DE-4-1-507-2019-K**	
		Daughters of
Race line: -33	Sign: green 7	Queen: 8.4%
Generation:	Hatch date: 24.06.2019	Workers: 5.2%

A. Pedigree



B. Own performance

	No. of the colony 225			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	11.1	46.5	24	27	23.9

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	106	
Honey yield	-	102	0.48
Defensive behavior	3.40	101	0.57
Steadiness on comb	3.30	100	0.57
Swarming drive	4	107	0.47
Varroa	-	107	0.5
Performance index	-	103	0.47
Robustness in winter	2.70		
Development in Spring	2.80		
Colony strength	3		

70% 100% 170%

[1]In 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.

10.05.2021

For the correctness DE-4

Breeding selection report DE-4-1-507-2019-K

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Performance of the sisters

Amount of checked sisters: 13

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 during inspection	Swarming drive	Breeding Value Swarming drive	Varroa-index	Performance ndex
DE-4-1-497-2019	DE-4-1	1	104	0.5	97	3	99	3	98	4	106	107	100
DE-4-1-501-2019	DE-4-1	1	102	18.1	103	3	97	2.8	96	3.9	106	101	100
DE-4-1-502-2019	DE-4-1	1	108	31	108	3.5	104	3.3	102	4	107	106	106
DE-4-1-504-2019-K	DE-4-1	1	102	23	105	3.3	102	3.2	101	4	107	96	104
DE-4-1-506-2019	DE-4-1	1	106	31.3	108	3	98	3	97	4	106	106	103
DE-4-1-515-2019	DE-4-1	1	104	0	97	3	99	3	98	4	106	107	100
DE-4-1-569-2019	DE-4-1	1	106	16.8	103	3.1	100	3.1	99	4	107	107	102
DE-4-1-507-2019-K	DE-4-1	2	106	11.1	102	3.4	101	3.3	100	4	107	107	103
DE-4-1-508-2019	DE-4-1	2	105	16	103	3.3	99	3.1	98	4	107	106	102
DE-4-1-514-2019	DE-4-1	2	106	29.2	106	3.4	99	2.9	96	4	106	107	102
DE-4-1-561-2019	DE-4-1	2	105	19.6	103	3.2	98	3	96	4	106	106	101
DE-4-1-567-2019	DE-4-1	2	104	29.6	107	3.4	100	3.2	99	4	107	101	104
DE-4-1-568-2019	DE-4-1	2	108	43.8	112	3.5	102	3.4	101	3.7	105	108	106