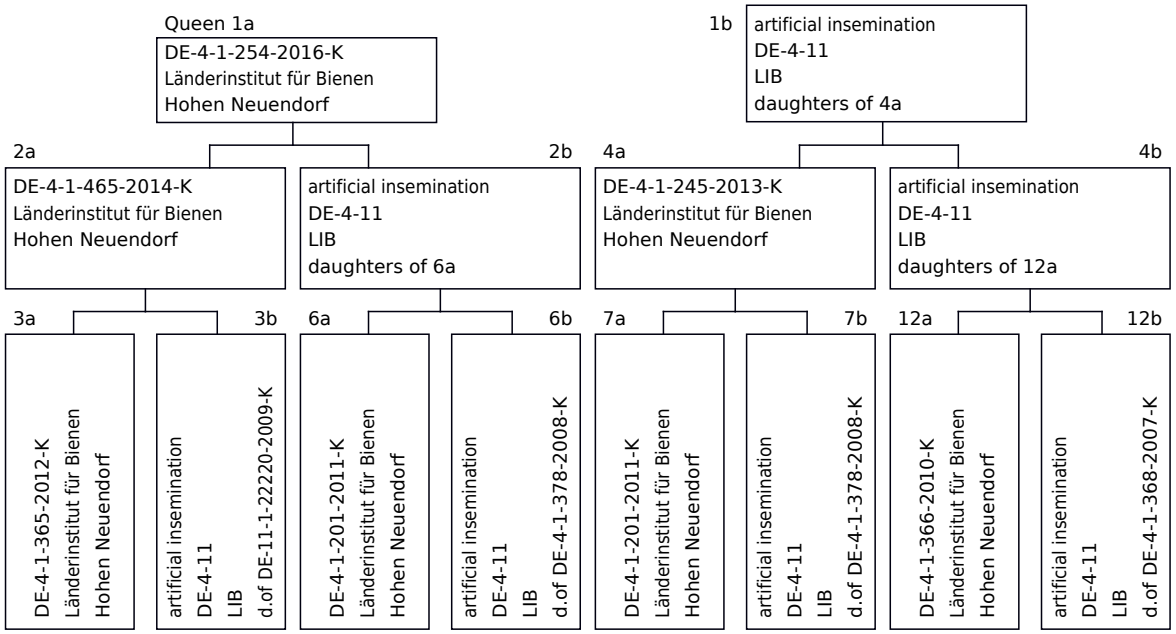
DEUTSCHER IMKERBUND E.V.

Breeding selection report
DE-4-1-254-2016-K

Tester of the queen:	Länderinstitut für Bienenkunde, 16540 Hohen Neuendorf, DE-4-1, Apiary 3	
Breeder of the queen:	Länderinstitut für Bienenkunde, 16540 Hohen Neuendorf, DE-4-1	
1a Studbook number:	**DE-4-1-254-2016-K**	
Race line: -33	Sign: white 54	Daughters of Queen: 2.7%
Generation:	Hatch date: 15.6.2016	Workers: 11.9%

A. Pedigree



B. Own performance

	No. of the colony 32			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	35.2	144.3	6	31	24.4

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	114	
Honey yield	-	106	0.48
Defensive behavior	3.40	117	0.67
Steadiness on comb	3.10	117	0.67
Swarming drive	4	104	0.45
Varroa	-	109	0.37
Performance index	-	0	
Robustness in winter	3		
Development in Spring	3.30		
Colony strength	3.50		

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.

28.05.2018

For the correctness DE-4

Breeding selection report DE-4-1-254-2016-K

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Performance of the sisters

Amount of checked sisters: 14

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-4-1-240-2016	DE-4-1	1	107	18	98	3.2	107	3.0	107	4.0	102	107	
DE-4-1-241-2016	DE-4-1	1	101	13	94	2.9	95	2.8	97	4.0	100	108	
DE-4-1-248-2016-K	DE-4-1	1	106	22.6	101	3.1	105	3.1	107	4.0	102	106	
DE-4-1-249-2016	DE-4-1	1	100	16.2	97	3.1	102	2.9	103	4.0	101	98	
DE-4-1-234-2016	DE-4-1	2	106	35.7	105	3.4	101	3	102	4	101	109	
DE-4-1-235-2016	DE-4-1	2	98	7.1	83	3.3	103	3.1	105	4	99	100	
DE-4-1-236-2016	DE-4-1	2	102	34.3	104	3.2	97	3.1	100	4	100	103	
DE-4-1-238-2016	DE-4-1	2	99	40.9	109	3.2	92	2.8	93	4	100	101	
DE-4-1-252-2016	DE-4-1	3	116	30.8	103	3.5	124	3.3	125	4	105	106	
DE-4-1-254-2016-K	DE-4-1	3	114	35.2	106	3.4	117	3.1	117	4	104	109	
DE-4-1-255-2016	DE-4-1	3	97	15.4	94	2.8	90	2.6	92	4	98	107	
DE-4-1-258-2016	DE-4-1	3	105	27.7	102	2.9	98	2.9	101	4	100	110	
DE-4-1-200-2016	DE-4-54	1	101		89		100		100		104	(104)	
DE-4-1-230-2016	DE-4-54	1	100		105		100		104		83	(104)	