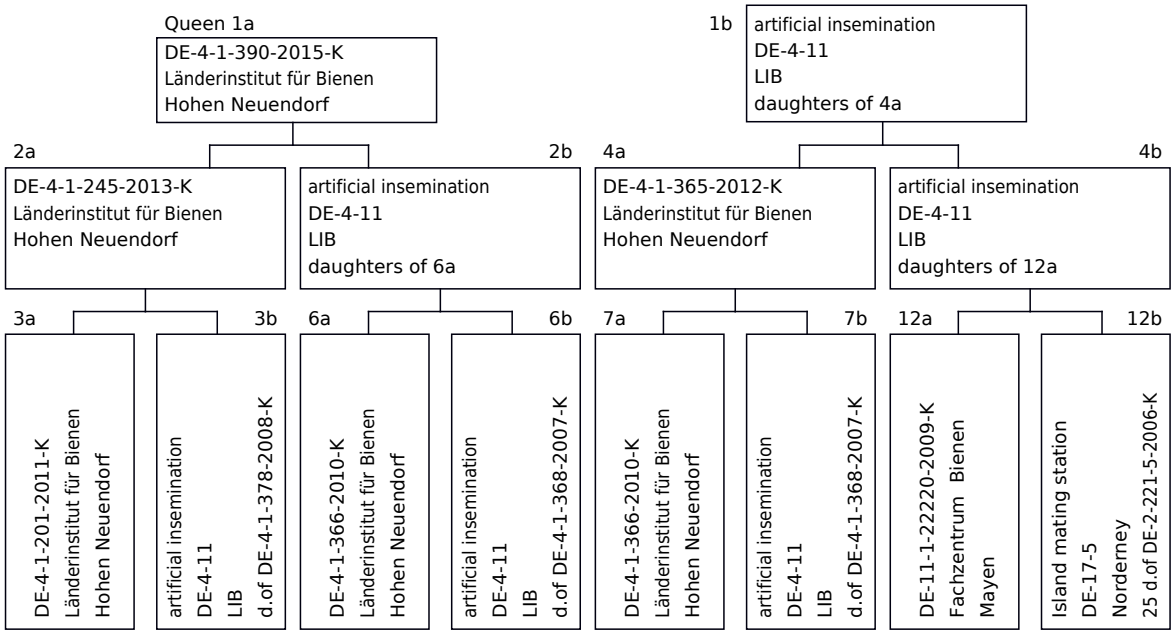
DEUTSCHER IMKERBUND E.V.

Breeding selection report
DE-4-1-390-2015-K

Tester of the queen:	Länderinstitut für Bienenkunde, 16540 Hohen Neuendorf, DE-4-1, Apiary 1	
Breeder of the queen:	Länderinstitut für Bienenkunde, 16540 Hohen Neuendorf, DE-4-1	
1a Studbook number:	**DE-4-1-390-2015-K**	
Race line: -33	Sign: blue 90	Daughters of Queen: 4.8%
Generation:	Hatch date: 15.6.2015	Workers: 9.0%

A. Pedigree



B. Own performance

	No. of the colony 321			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	58.6	105.9	15	30	55.3

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	105	
Honey yield	-	102	0.43
Defensive behavior	3.40	116	0.65
Steadiness on comb	3.30	118	0.67
Swarming drive	4	114	0.43
Varroa	-	91	0.54
Performance index	-	0	
Robustness in winter	3		
Development in Spring	3.50		
Colony strength	3.30		

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 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).

16.05.2017

For the correctness DE-4

Breeding selection report DE-4-1-390-2015-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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-4-1-390-2015-K	DE-4-1	1	105	58.6	102	3.4	116	3.3	118	4	114	91	
DE-4-1-395-2015	DE-4-1	1	96	58.7	102	3.4	115	3.2	119 inspection	4	117	73	
DE-4-1-403-2015	DE-4-1	1	91	36.5	83	3.1	106	3.1	107	3.1	90	88	
DE-4-1-397-2015	DE-4-1	2	109	46.4	100	3.7	118	3.4	118	4	113	99	
DE-4-1-402-2015	DE-4-1	2	106	38.3	94	3.5	113	3.5	113	4	108	100	
DE-4-1-411-2015	DE-4-1	2	90	7.2	72	3.2	98	3	97	4	96	94	
DE-4-1-387-2015-K	DE-14-117	1	104		107		107		109		108	(96)	