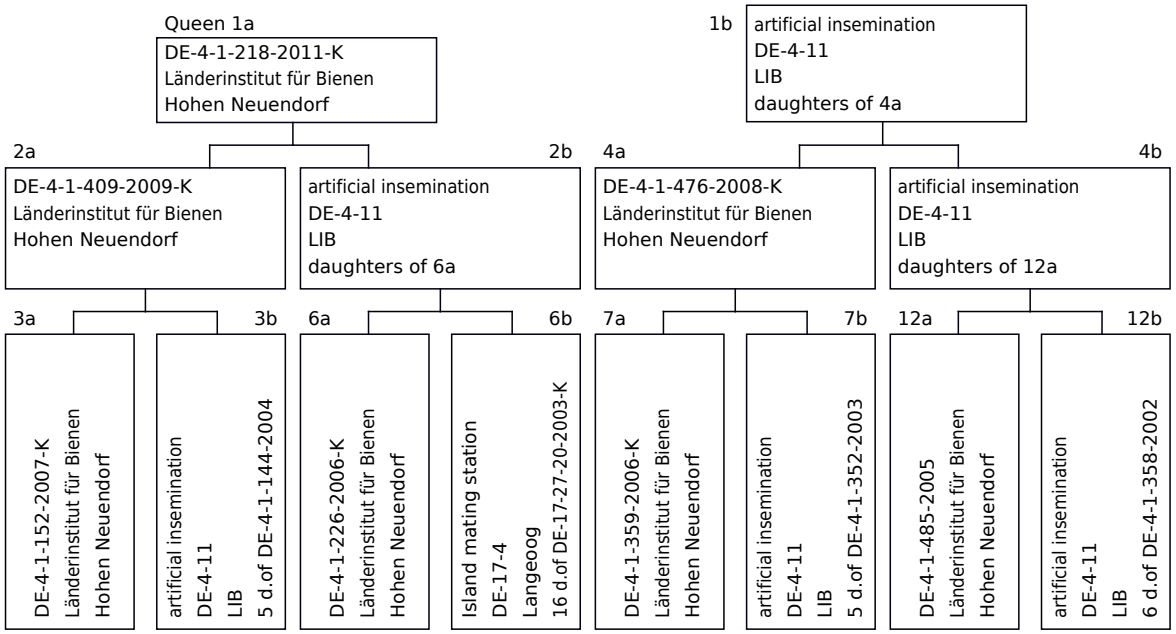
DEUTSCHER IMKERBUND E.V.

Breeding selection report
DE-4-1-218-2011-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-4-1-218-2011-K**	
		Daughters of
Race line: -33	Sign: white 18	Queen: 0.7%
Generation:	Hatch date: 01.06.2011	Workers: 2%

A. Pedigree



B. Own performance

	No. of the colony 337			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	73.9	114.8	8	24	64.4

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	115	
Honey yield	-	111	0.42
Defensive behavior	3.90	116	0.64
Steadiness on comb	3.20	116	0.66
Swarming drive	4	119	0.42
Varroa	-	105	0.53
Performance index	-	0	
Robustness in winter	3.50		
Development in Spring	3.60		
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.

22.06.2013

For the correctness DE-4

Breeding selection report DE-4-1-218-2011-K

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Performance of the sisters

Amount of checked sisters: 11

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-4-1-209-2011	DE-4-1	1	103	63.4	100	3.5	109	3	104	4	111	97	
DE-4-1-210-2011	DE-4-1	1	92	57.6	94	3.2	98	2.8	98	4	109	85	
DE-4-1-218-2011-K	DE-4-1	1	115	73.9	111	3.9	116	3.2	116	4	119	105	
DE-4-1-222-2011	DE-4-1	1	102	59.2	100	3.9	119	3.5	120	4	122	81	
DE-4-1-212-2011-K	DE-4-1	2	107	47.8	105	3.8	110	3.1	109	4	115	98	
DE-4-1-213-2011	DE-4-1	2	95	33.7	96	3.6	102	2.9	103	4	111	86	
DE-4-1-214-2011	DE-4-1	2	100	41.9	102	3.7	109	3.3	109	4	115	87	
DE-4-1-215-2011	DE-4-1	2	104	32.8	98	3.6	110	3.6	109	4	111	98	
DE-4-1-221-2011	DE-4-1	2	103	44.6	103	3.7	109	3.3	109	4	115	92	
DE-4-1-205-2011	DE-4-248	1	102		104		105		104		113	(95)	
DE-4-1-206-2011	DE-4-251	1	111		110		116		116		124	(97)	