

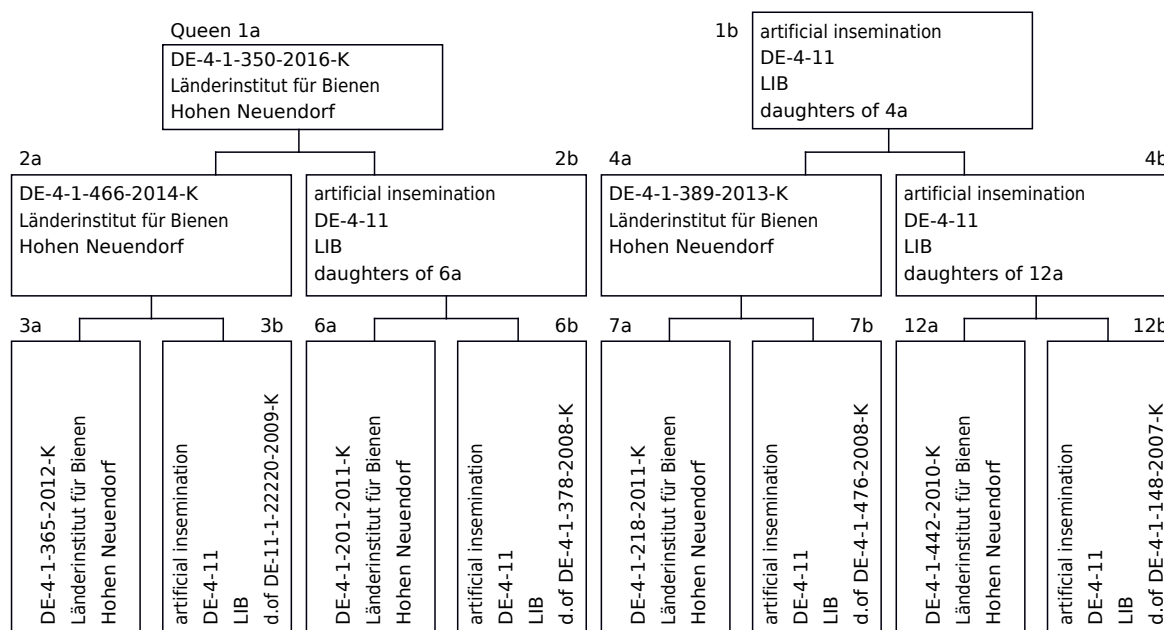
Breeding selection report

DE-4-1-350-2016-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-4-1-350-2016-K**

Race line: -33 Sign: white 50 Daughters of Queen: 2.7%
Generation: Hatch date: 22.06.2016 Workers: 7.7%

A. Pedigree



B. Own performance

3. Own performance	No. of the colony 576			comparable colonies at the apiary						
	kg	%	Ranking	number	Yield average kg					
Performance test year	29.6	151.9	4	28	19.5					
	Assessment*	Breeding values								Reliability
Total breeding value ¹	-	112								
Honey yield	-	111								0.45
Defensive behavior	3.50	120								0.65
Steadiness on comb	3.30	120								0.65
Swarming drive	4.00	108								0.42
Varroa	-	96								0.34
Performance index	-	0								
Robustness in winter	3.80	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								
Development in Spring	3.70									
Colony strength	3.40									

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.

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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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-4-1-348-2016	DE-4-1	1	107	25.3	108	3.1	Behavior	3.2	109	4.0	105	101	
DE-4-1-349-2016-K	DE-4-1	1	111	23.4	107	3.2	110	3.2	112	4.0	106	105	
DE-4-1-350-2016-K	DE-4-1	1	112	29.6	111	3.5	120	3.3	120	4.0	108	96	
DE-4-1-342-2016	DE-4-1	2	108	29.2	105	3.4	109	3.4	113	4	104	102	
DE-4-1-343-2016	DE-4-1	2	99	24.2	101	3.4	103	3	104	4	103	93	
DE-4-1-344-2016	DE-4-1	2	101	27.2	103	3.5	111	3.3	112	4	104	88	
DE-4-1-361-2016	DE-4-1	2	110	25.8	102	3.8	124	3.6	126	4	106	92	
DE-4-1-353-2016	DE-4-1	3	87	24.6	105	2.8	92	2.7	94	4	102	78	
DE-4-1-354-2016	DE-4-1	3	96	19.6	101	2.9	92	2.5	91	4	101	98	
DE-4-1-355-2016	DE-4-1	3	106	42.8	116	3.1	104	2.9	105	4	105	97	
DE-4-1-358-2016	DE-4-1	3	94	22.2	103	2.9	97	2.8	99	4	102	87	