

Breeding selection report

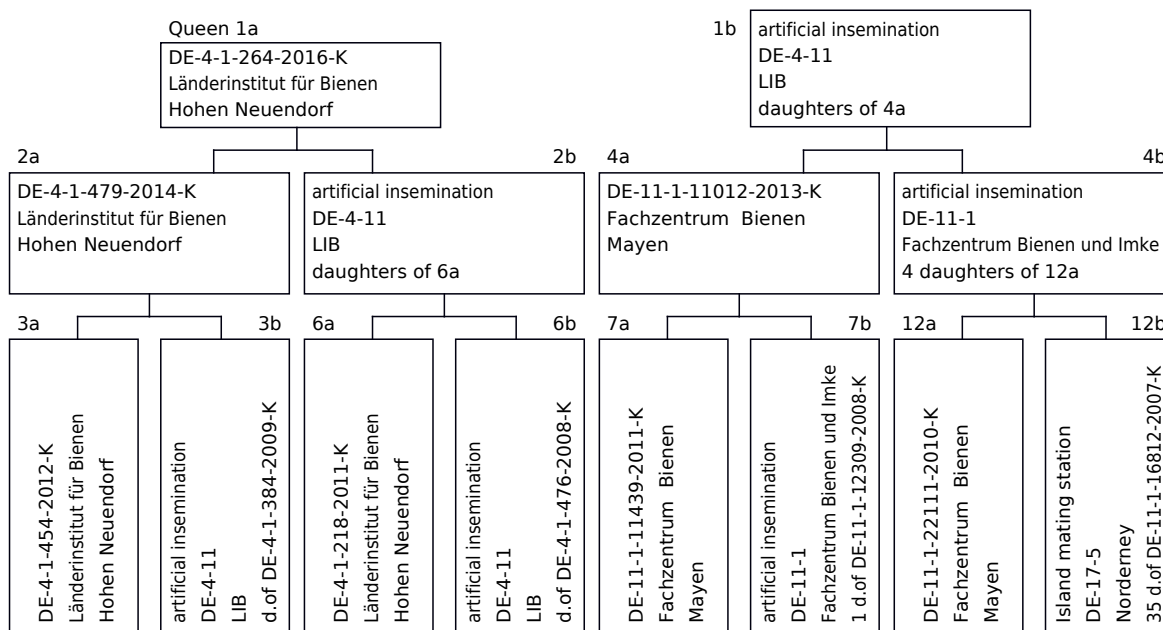
DE-4-1-264-2016-K



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-4-1-264-2016-K**

Race line: -33 Sign: white 64 Daughters of Queen: 8.2%
Generation: Hatch date: 20.06.2016 Workers: 1.1%

A. Pedigree



B. Own performance

3. Own performance	No. of the colony 518			comparable colonies at the apiary							
	kg	%	Ranking	number		Yield average kg					
Performance test year	37.7	193.5	1	28		19.5					
	Assessment*	Breeding values								Reliability	
Total breeding value ¹	-	110									
Honey yield	-	115									0.44
Defensive behavior	3.10	101									0.64
Steadiness on comb	3.00	100									0.65
Swarming drive	4.00	108									0.4
Varroa	-	110									0.34
Performance index	-	0									
Robustness in winter	2.50	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	3.00										
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.

Breeding selection report DE-4-1-264-2016-K

Page 2

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-4-1-264-2016-K	DE-4-1	1	110	37.7	115	3.1	101	3.0	100	4.0	108	110	
DE-4-1-269-2016	DE-4-1	1	110	20.8	102	3.4	115	3.2	inspection 112	4.0	108	102	
DE-4-1-270-2016	DE-4-1	1	98	13.3	97	3.0	99	2.9	98	4.0	105	96	
DE-4-1-278-2016	DE-4-1	1	105	14.7	97	3.2	105	2.9	102	4.0	106	106	
DE-4-1-263-2016	DE-4-1	2	107	30.5	103	3.4	101	3	99	4	105	111	
DE-4-1-265-2016-K	DE-4-1	2	109	41.1	111	3.7	109	3	104	4	107	104	
DE-4-1-266-2016	DE-4-1	2	107	41.9	112	3.3	96	2.9	94	4	105	112	
DE-4-1-274-2016	DE-4-1	3	107	15.7	96	3	103	3	103	4	105	112	
DE-4-1-275-2016	DE-4-1	3	107	40.1	111	3.2	106	2.9	103	4	107	101	
DE-4-1-279-2016	DE-4-1	3	102	40.7	112	3	96	2.7	93	4	106	101	
DE-4-1-280-2016	DE-4-1	3	102	28.2	104	3.4	115	3.0	111	4	108	86	