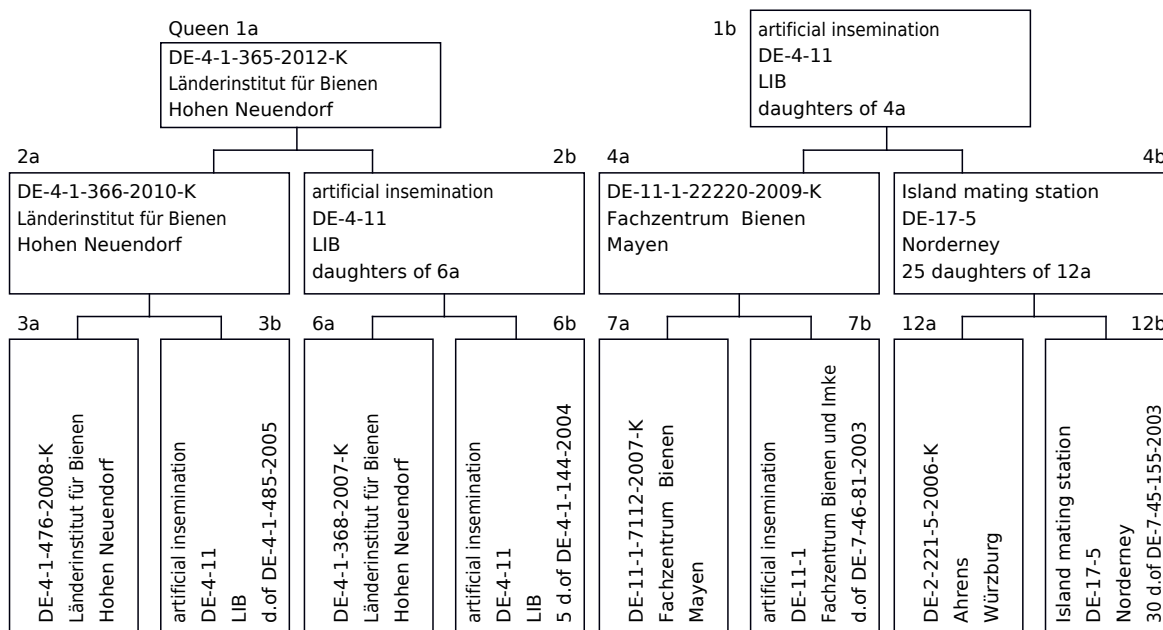


Breeding selection report

DE-4-1-365-2012-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-4-1-365-2012-K**
Race line: -33 Sign: yellow 65 Daughters of Queen: 7.2%
Generation: Hatch date: 20.06.2012 Workers: 0.1%

A. Pedigree



B. Own performance

3. Own performance	No. of the colony 248			comparable colonies at the apiary							
	kg	%	Ranking	number	Yield average kg						
Performance test year	87.7	145.3	2	25	60.4						
	Assessment*	Breeding values								Reliability	
Total breeding value ¹	-	124									
Honey yield	-	119								0.47	
Defensive behavior	3.80	123								0.66	
Steadiness on comb	3.60	123								0.68	
Swarming drive	3.70	111								0.46	
Varroa	-	118								0.56	
Performance index	-	0									
Robustness in winter	3	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	70% 100% 170%								
Development in Spring	3.30										
Colony strength	4										

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-4-1-365-2012-K

Page 2

Performance of the sisters

Amount of checked sisters: 9

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	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-4-1-364-2012	DE-4-1	1	104	39.4	90	3.6	110	3.5	110	4	107	98	
DE-4-1-365-2012-K	DE-4-1	1	124	87.7	119	3.8	123	3.6	123	3.7	111	118	
DE-4-1-371-2012-K	DE-4-1	1	115	68	106	3.7	118	3.5	117	3.6	105	111	
DE-4-1-376-2012	DE-4-1	1	94	43.6	90	3.6	111	3.3	113	3.3	101	83	
DE-4-1-380-2012	DE-4-1	1	120	78.3	114	3.8	124	3.7	124	3.3	106	114	
DE-4-1-368-2012	DE-4-1	2	115	48.9	102	3.8	119	3.6	119	1	94	117	
DE-4-1-373-2012	DE-4-1	2	97	38.8	92	3.5	106	3.2	107	3.2	98	92	
DE-4-1-375-2012-K	DE-4-1	2	118	51.3	104	3.8	115	3.3	113	3.8	106	121	
DE-4-1-377-2012	DE-4-1	2	109	62.4	112	3.7	115	3.4	116	3.8	114	97	