

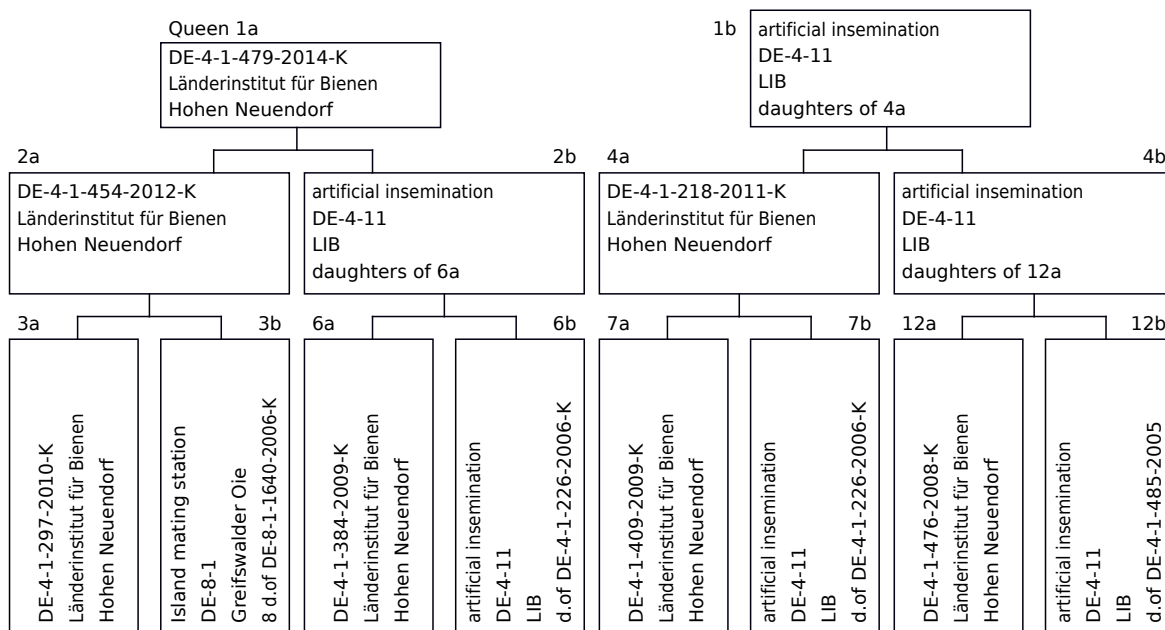
Breeding selection report

DE-4-1-479-2014-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-4-1-479-2014-K**

Race line: -33 Sign: green 79 Daughters of Queen: 2.8%
Generation: Hatch date: 18.06.2014 Workers: 3.3%

A. Pedigree



B. Own performance

3. Own performance	No. of the colony 154			comparable colonies at the apiary						
	kg	%	Ranking	number	Yield average kg					
Performance test year	73	121.9	5	27	59.9					
	Assessment*	Breeding values								Reliability
Total breeding value ¹	-	108								
Honey yield	-	115								0.44
Defensive behavior	3.50	115								0.65
Steadiness on comb	3.20	116								0.67
Swarming drive	4	112								0.43
Varroa	-	94								0.54
Performance index	-	0								
Robustness in winter	3.20		70%	100%	170%					
Development in Spring	3.30									
Colony strength	3.30									

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 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).

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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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-4-1-479-2014-K	DE-4-1	1	108	73	115	3.5	115	3.2	116	4	112	94	
DE-4-1-481-2014-K	DE-4-1	1	106	80	119	3.4	112	3.2	inspection 114	4	114	90	
DE-4-1-483-2014	DE-4-1	1	92	49.5	93	3	100	3	101	4	100	86	
DE-4-1-471-2014	DE-4-1	2	103	65.7	106	3.8	114	3.2	116	3	104	91	
DE-4-1-473-2014	DE-4-1	2	101	50.9	94	3.5	109	3.4	109	4	106	94	
DE-4-1-474-2014	DE-4-1	2	102	70.1	108	3.5	104	2.8	105	3.7	104	96	
DE-4-1-475-2014	DE-4-1	2	104	58.8	101	3.6	112	3.4	112	4	110	96	
DE-4-1-476-2014	DE-4-1	2	98	64.5	102	3.3	102	3	103	2.9	94	96	
DE-4-1-478-2014	DE-4-1	2	90	35.4	79	3.1	95	2.8	95	4	95	94	