

Breeding selection report

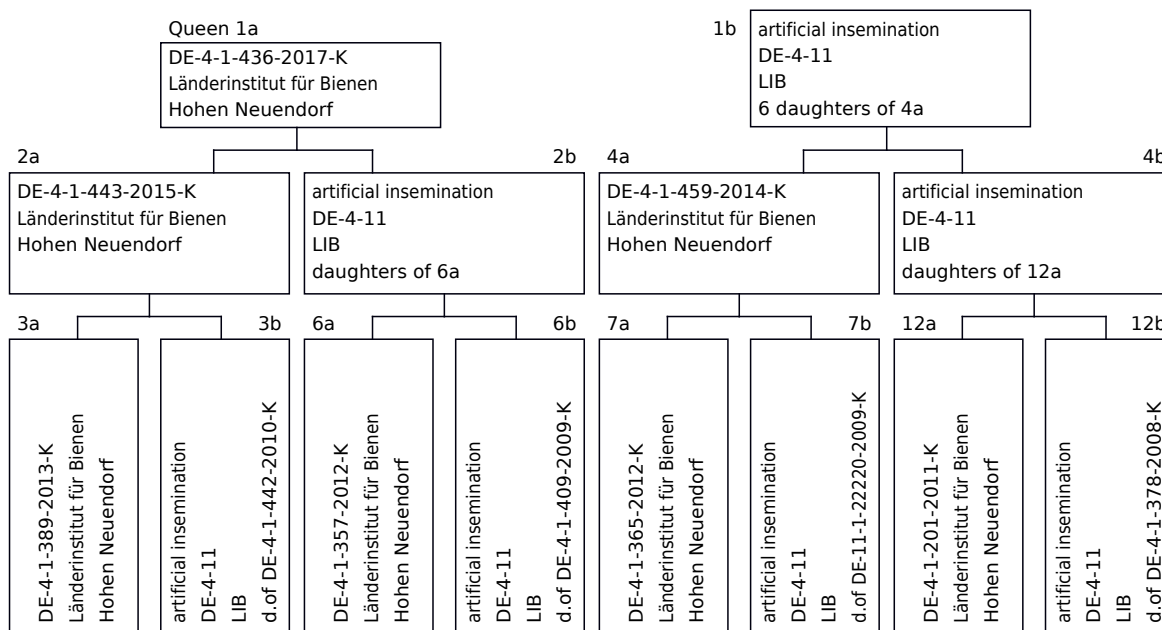
DE-4-1-436-2017-K



Tester of the queen: Länderinstitut für Bienenkunde, 16540 Hohen Neuendorf, DE-4-1, Apiary 2
Breeder of the queen: Länderinstitut für Bienenkunde, 16540 Hohen Neuendorf, DE-4-1
1a Studbook number: **DE-4-1-436-2017-K**

Race line: -33 Sign: yellow 36 Daughters of Queen: 9.7%
Generation: Hatch date: 26.06.2017 Workers: 8.4%

A. Pedigree



B. Own performance

3. Own performance	No. of the colony 545			comparable colonies at the apiary								
	kg	%	Ranking	number	Yield average kg							
Performance test year	68.2	129.7	3	25	52.6							
	Assessment*	Breeding values										Reliability
Total breeding value ¹	-	112										
Honey yield	-	112									0.45	
Defensive behavior	3.50	109									0.65	
Steadiness on comb	3.50	109									0.65	
Swarming drive	4	108									0.41	
Varroa	-	106									0.38	
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										
Development in Spring	3.10											
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 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: 13

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-4-1-423-2017-K	DE-4-1	1	104	61.3	104	3.4	Behavior	3.3	109	4	90	96	
DE-4-1-428-2017	DE-4-1	1	82	44.4	71	3.5	88	3.3	90	4	89	86	82
DE-4-1-433-2017	DE-4-1	1	83	36.6	74	3.4	85	3.3	87	4	90	89	81
DE-4-1-435-2017	DE-4-1	1	84	51.2	73	3.4	87	3.4	89	4	90	90	82
DE-4-1-418-2017	DE-4-1	2	81	63.2	76	3.4	85	3.4	87	3.8	88	84	81
DE-4-1-422-2017	DE-4-1	2	83	59.2	75	3.3	83	3.2	85	4	91	90	80
DE-4-1-431-2017	DE-4-1	2	83	56	75	3.3	83	3.1	84	4	90	90	80
DE-4-1-432-2017	DE-4-1	2	83	44.7	72	3.5	87	3.2	88	4	89	89	81
DE-4-1-436-2017-K	DE-4-1	2	112	68.2	112	3.5	109	3.5	109	4	108	106	
DE-4-1-419-2017-K	DE-4-1	3	107	50.9	104	3.4	107	3.4	107	4.0	106	102	
DE-4-1-421-2017	DE-4-1	3	81	43.4	74	3.1	82	3.3	85	4.0	90	86	80
DE-4-1-425-2017	DE-4-1	3	82	54.4	76	3.1	82	3.4	85	4.0	92	88	81
DE-4-1-427-2017	DE-4-1	3	85	77.8	82	3.2	80	3.2	82	4.0	95	93	82