

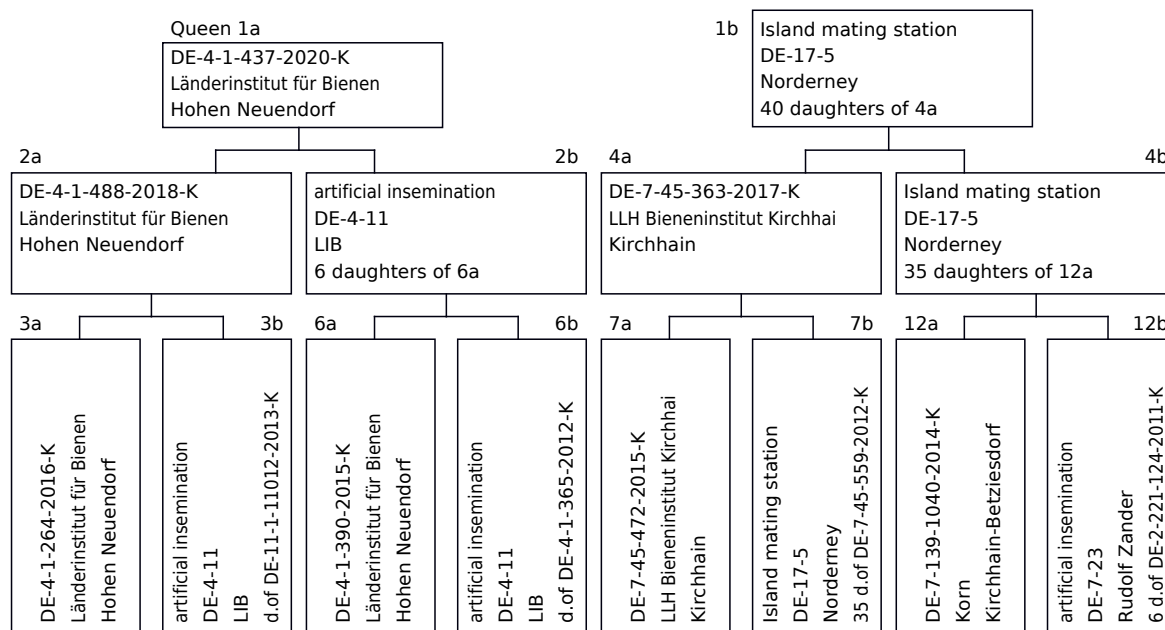
Breeding selection report

DE-4-1-437-2020-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-4-1-437-2020-K**

Race line: -33 Sign: blue 37 Daughters of Queen: 4.7%
Generation: Hatch date: 30.06.2020 Workers: 2.1%

A. Pedigree



B. Own performance

3. Own performance	No. of the colony 577			comparable colonies at the apiary								
	kg	%	Ranking	number	Yield average kg							
Performance test year	40.9	146.2	3	32	28.0							
	Assessment*	Breeding values										Reliability
Total breeding value ¹	-	111										
Honey yield	-	106										0.46
Defensive behavior	3.50	102										0.54
Steadiness on comb	3.40	99										0.54
Swarming drive	4	108										0.42
Varroa	-	115										0.51
Performance index	-	104										0.45
Robustness in winter	3.10	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	3.80											
Colony strength	3.70											

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: 8

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-4-1-422-2020	DE-4-1	1	108	34.3	103	3.2	97	3	91	4	106	114	100
DE-4-1-423-2020	DE-4-1	1	105	36	104	3.3	98	2.9	95	4	106	107	100
DE-4-1-430-2020	DE-4-1	1	105	27.9	101	3	95	2.8	91	4	105	111	97
DE-4-1-437-2020-K	DE-4-1	1	111	40.9	106	3.5	102	3.4	99	4	108	115	104
DE-4-1-424-2020	DE-4-1	2	108	38.6	104	3.2	95	3.2	92	4	105	115	99
DE-4-1-427-2020	DE-4-1	2	105	45	105	3.1	91	2.6	86	4	104	113	96
DE-4-1-428-2020	DE-4-1	2	105	39.1	104	3.3	95	3	91	4	105	111	99
DE-4-1-436-2020	DE-4-1	2	104	36	104	3.4	98	3.3	94	4	106	107	100