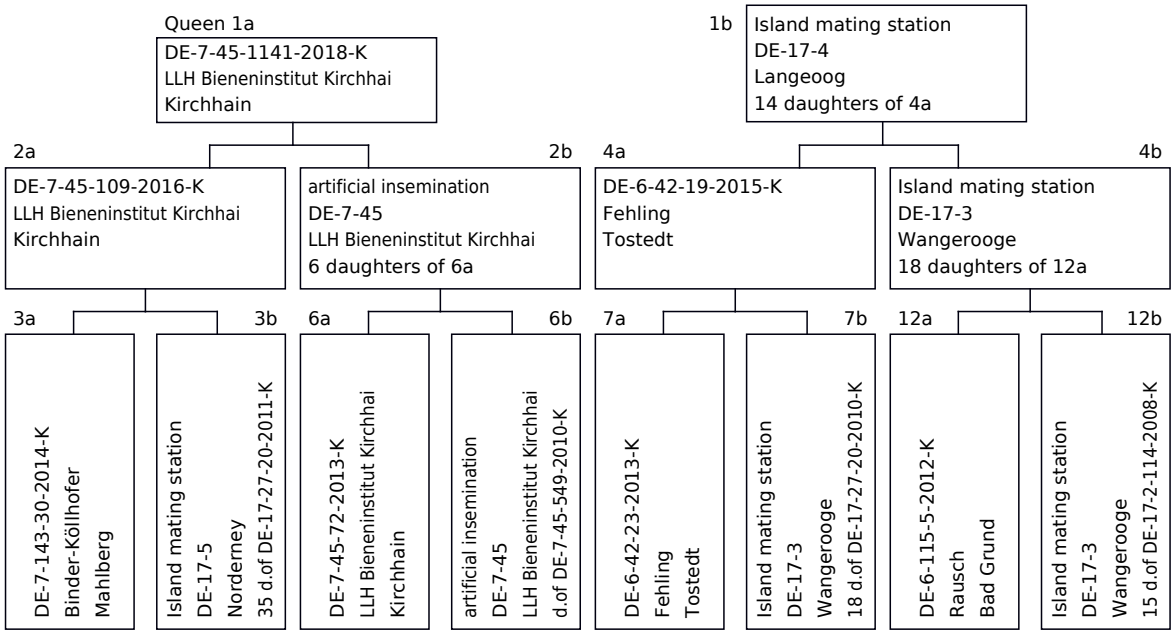
Breeding selection report
DE-7-45-1141-2018-K

Tester of the queen:	Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208, Apiary 1	
Breeder of the queen:	LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45	
1a Studbook number:	**DE-7-45-1141-2018-K**	
		Daughters of
Race line: -71	Sign: red 72	Queen: 2.2%
Generation: 1	Hatch date: 10.07.2018	Workers: 2.5%

A. Pedigree



B. Own performance

	No. of the colony 175			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	45.5	359.7	1	10	12.7

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	123	
Honey yield	-	106	0.4
Defensive behavior	3.50	125	0.52
Steadiness on comb	4	127	0.52
Swarming drive	4	117	0.41
Varroa	-	115	0.27
Performance index	-	121	0.46
Robustness in winter	3.50		
Development in Spring	3.50		
Colony strength	4		

70% 100% 170%

[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 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.

06.05.2020

For the correctness DE-17

Breeding selection report DE-7-45-1141-2018-K

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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 during inspection	Swarming drive	Breeding Value Swarming drive	Varroa-index	Performance ndex
DE-7-45-1136-2018	DE-17-208	1	109	12.1	93	3	111	2	106	3	109	108	105
DE-7-45-1137-2018	DE-17-208	1	103	6	91	2	102	2	101	2	104	104	99
DE-7-45-1138-2018	DE-17-208	1	105	5	90	2	102	2	102	3	109	105	100
DE-7-45-1140-2018	DE-17-208	1	104	6	91	2	102	2	102	3	109	104	100
DE-7-45-1141-2018-K	DE-17-208	1	123	45.5	106	3.5	125	4	127	4	117	115	121
DE-7-45-1131-2018	DE-17-208	11	101	6	90	2	98	2	97	2	102	104	96
DE-7-45-1133-2018	DE-17-208	11	110	23.8	96	3	112	3	111	4	114	106	109
DE-7-45-1134-2018	DE-17-208	11	103	5	90	2	98	2	97	3	108	106	97