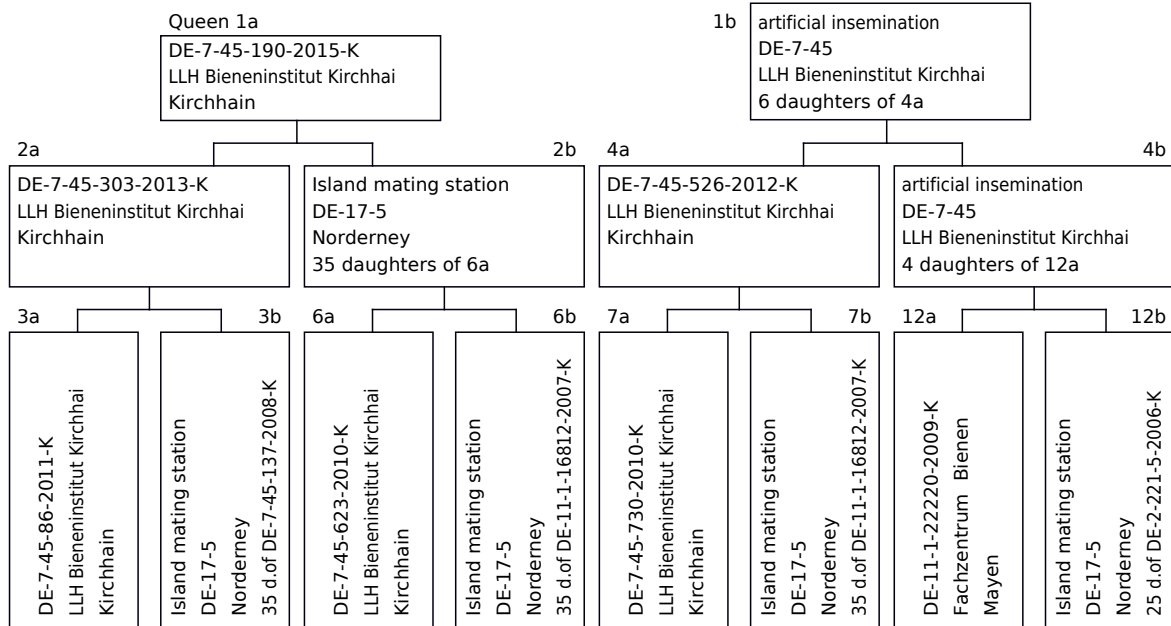


Tester of the queen: LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45, Apiary 4  
Breeder of the queen: LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45  
**1a** Studbook number: **DE-7-45-190-2015-K**

Race line: -1 Sign: blue 72- Daughters of Queen: 3.3%  
Generation: 6 Hatch date: 01.06.2015 Workers: 5.3%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 204			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	56.3	120.1	4	20	46.9	
	Assessment*		Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	117				
Honey yield	-	112				0.44
Defensive behavior	2.90	105				0.65
Steadiness on comb	2.40	103				0.67
Swarming drive	3.00	112				0.43
Varroa	-	122				0.55
Performance index	-	0				
Robustness in winter			70%	100%	170%	
Development in Spring						
Colony strength						

<sup>1</sup>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.

# Breeding selection report DE-7-45-190-2015-K

## Page 2

### 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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-7-45-181-2015	DE-7-45	1	101	13.1	92	2.4	Behavior	2.4	101	3.0	101	110	
DE-7-45-182-2015-K	DE-7-45	3	104	38.8	106	2.6	100	2.6	101	2.0	103	104	
DE-7-45-185-2015	DE-7-45	3	98	35.6	104	2.8	102	2.5	104	3.0	117	87	
DE-7-45-190-2015-K	DE-7-45	4	117	56.3	112	2.9	105	2.4	103	3.0	112	122	
DE-7-45-188-2015	DE-7-146	1	95		102		100		101		99	90	
DE-7-45-187-2015	DE-7-176	1	113		104		107		105		109	117	
DE-7-45-189-2015	DE-16-345	1	120		117		112		111		120	116	
DE-7-45-195-2015	DE-16-345	1	114		116		107		107		122	108	