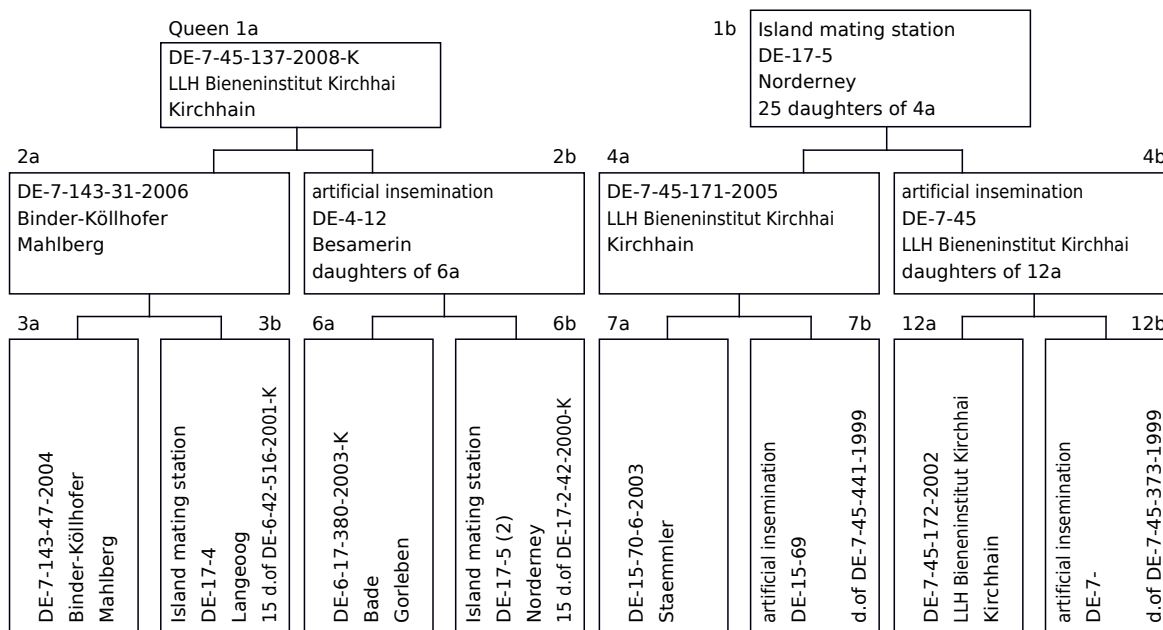


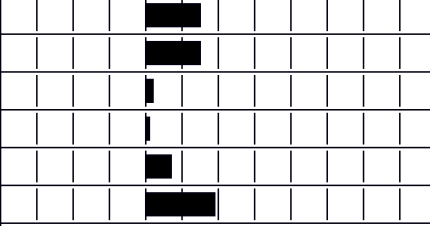
Tester of the queen: LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45, Apiary 2
 Breeder of the queen: LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45
1a Studbook number: **DE-7-45-137-2008-K**

Race line: -1 Sign: red 33- Daughters of Queen: 2.1%
 Generation: 1 Hatch date: 26.05.2008 Workers: 0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 13			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	37.7	156.7	3	17	24.1	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	115				
Honey yield	-	115				0.49
Defensive behavior	2.30	102				0.66
Steadiness on comb	2	101				0.68
Swarming drive	4	107				0.49
Varroa	-	119				0.58
Performance index	-	0				
Robustness in winter			70%	100%	170%	
Development in Spring						
Colony strength						

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

none Analysis of race characteristics

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-7-45-137-2008-K

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Performance of the sisters

Amount of checked sisters: 10

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-7-45-150-2008	DE-6-111	1	117		107		107		109		113	121	
DE-7-45-127-2008	DE-7-45	1	105	44.9	107	2.7	107	2.4	109	4	113	97	
DE-7-45-129-2008	DE-7-45	1	133	58.5	119	3.2	125	2.8	124	4	119	131	
DE-7-45-136-2008	DE-7-45	2	90	0	90	2.2	102	2.1	103	4	107	80	
DE-7-45-137-2008-K	DE-7-45	2	115	37.7	115	2.3	102	2	101	4	107	119	
DE-7-45-135-2008	DE-7-45	3	108	26.8	99	2.5	103	2.3	102	4	104	114	
DE-7-45-141-2008-K	DE-7-45	3	104	37.2	105	2.4	102	2.3	102	4	107	102	
DE-7-45-143-2008	DE-7-45	4	111	5.4	85	2.8	109	2.3	106	4	101	120	
DE-7-45-134-2008	DE-7-302	1	110		105		97		95		99	121	
DE-11-13-15-2008	DE-11-13	1	103		103		103		100		107	(101)	