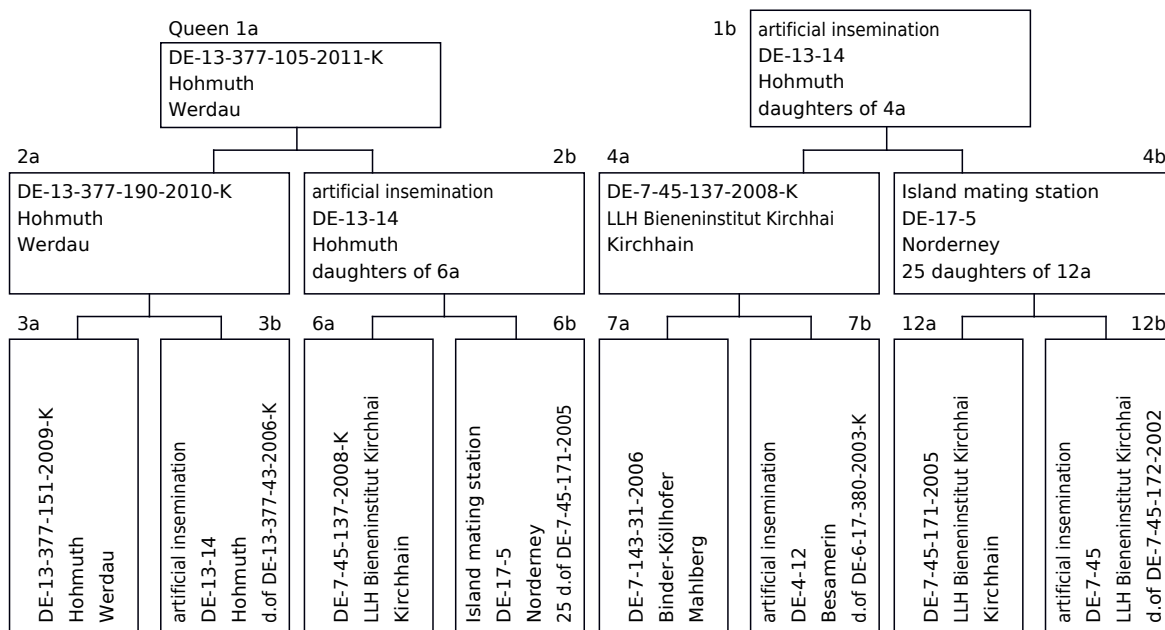


Tester of the queen: Hohmuth, Andreas, 08412 Werdau, DE-13-377, Apiary 1
 Breeder of the queen: Hohmuth, Andreas, 08412 Werdau, DE-13-377
1a Studbook number: **DE-13-377-105-2011-K**

Race line: Sign: white 21
 Generation: 7 Hatch date: 01.06.2011

Daughters of Queen: 0%
 Workers: 18.4%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 5			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	63.1	138.3	2	16	45.6	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	144	[Bar chart]			
Honey yield	-	136	[Bar chart]			0.41
Defensive behavior	4	123	[Bar chart]			0.65
Steadiness on comb	3.90	120	[Bar chart]			0.67
Swarming drive	4	136	[Bar chart]			0.41
Varroa	-	140	[Bar chart]			0.52
Performance index	-	0	[Bar chart]			
Robustness in winter	4	70% 100% 170%				
Development in Spring	4					
Colony strength	4					

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.

Breeding selection report DE-13-377-105-2011-K

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Performance of the sisters

Amount of checked sisters: 6

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 index
DE-13-377-100-2011	DE-13-377	1	99	34.6	111	3.2	Behavior	3.2	99	4	99	88	
DE-13-377-101-2011	DE-13-377	1	124	46.8	120	3.7	105	3.4	105	3	111	132	
DE-13-377-102-2011	DE-13-377	1	103	43.6	114	3.2	91	3	92	2.9	109	104	
DE-13-377-103-2011	DE-13-377	1	108	51	118	3.2	91	3	92	2	104	113	
DE-13-377-104-2011	DE-13-377	1	98	45.8	115	2.5	86	3	87	3.5	113	96	
DE-13-377-105-2011-K	DE-13-377	1	144	63.1	136	4	123	3.9	120	4	136	140	