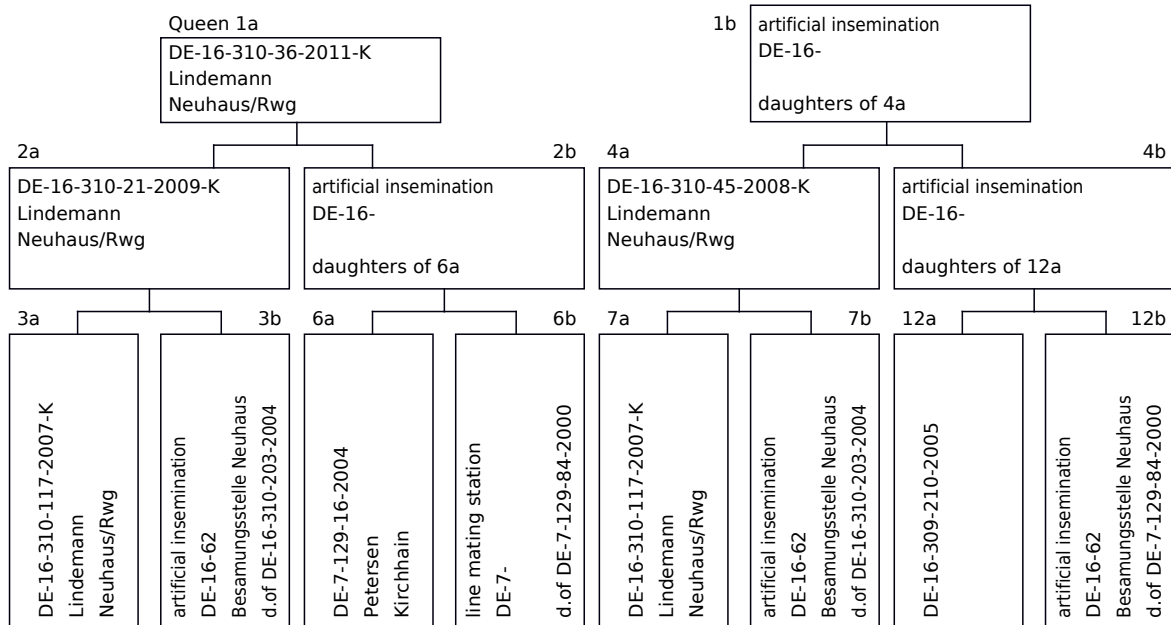


Tester of the queen: Krause, Achim, 99510 Eckolstädt, DE-16-334, Apiary 10
 Breeder of the queen: Lindemann, Uwe, 98724 Neuhaus/Rwg, DE-16-310
1a Studbook number: **DE-16-310-36-2011-K**

Race line: Sign: white 82 Daughters of Queen: 2.6%
 Generation: 23 Hatch date: 03.06.2011 Workers: 7.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	46.8	102.2	4	5	45.8	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	109	■			
Honey yield	-	102	■			0.39
Defensive behavior	3.80	108	■			0.57
Steadiness on comb	3.60	107	■			0.6
Swarming drive	4	112	■			0.39
Varroa	-	107	■			0.49
Performance index	-	0				
Robustness in winter			70%	100%	170%	
Development in Spring						
Colony strength	3					

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-16-310-36-2011-K

Page 2

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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-16-310-18-2011	DE-16-310	1	97		83		Behavior		107		107	104*	
DE-16-310-26-2011	DE-16-310	1	86		80		94		95		96	87*	
DE-16-310-42-2011-K	DE-16-310	1	109		100		103		101		99	115*	
DE-16-310-53-2011	DE-16-310	1	98		94		92		91		95	106*	
DE-16-310-41-2011	DE-16-318	1	97		103		103		104		106	89	
DE-16-310-36-2011-K	DE-16-334	10	109	46.8	102	3.8	108	3.6	107	4	112	107	
DE-16-310-35-2011	DE-16-336	8	83		93		90		92		91	81	
DE-16-310-40-2011	DE-16-336	8	80		73		78		77		96	91	
DE-16-310-32-2011	DE-16-337	11	94		99		92		93		103	93	
DE-16-310-38-2011	DE-16-337	11	96		107		91		92		89	100	

Only one Varroa trait was recorded