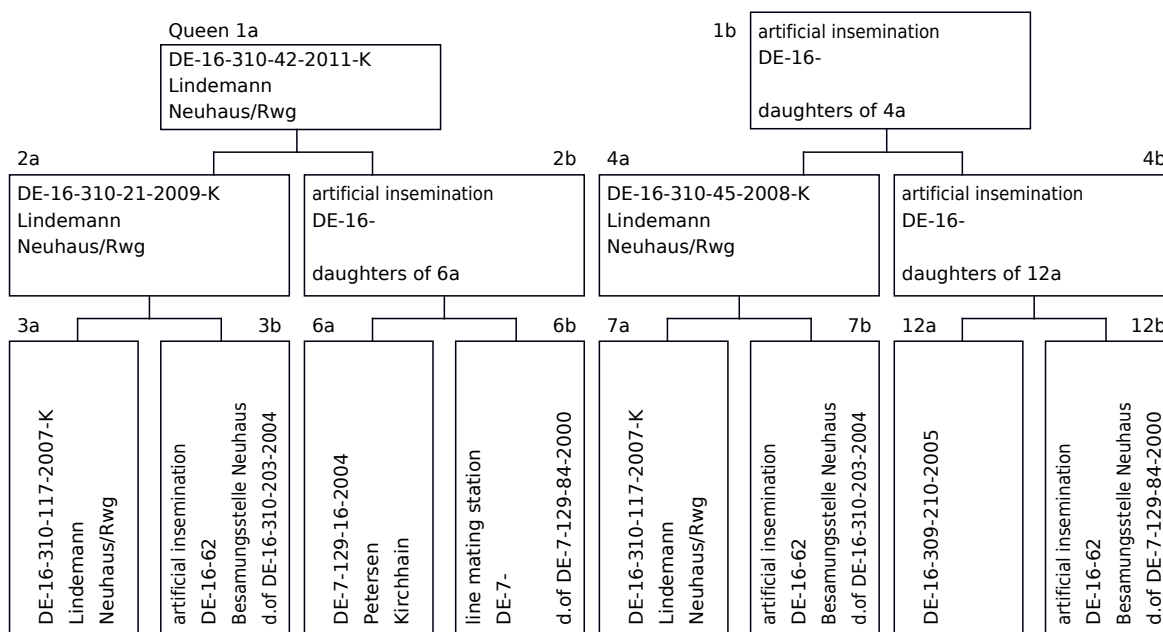


Tester of the queen: Lindemann, Uwe, 98724 Neuhaus/Rwg, DE-16-310, Apiary 1
 Breeder of the queen: Lindemann, Uwe, 98724 Neuhaus/Rwg, DE-16-310
1a Studbook number: **DE-16-310-42-2011-K**

Race line: Sign: white 70 Daughters of Queen: 2.6%
 Generation: Hatch date: 03.06.2011 Workers: 7.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony Volk4			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	31.6	118.3	3	7	26.7
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	108			
Honey yield	-	101			0.39
Defensive behavior	3.60	105			0.55
Steadiness on comb	3.50	103			0.58
Swarming drive	4	103			0.38
Varroa	-	110*			0.47
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%.

Only one Varroa trait was recorded

C. Performance of the sisters

See page 2

D. Body features, see appendix

See attached characteristic documents:

E. Results

Class A

Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

Breeding selection report DE-16-310-42-2011-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	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	15.6	83	3.5	Behavior	3.5	97	4	97	104*	
DE-16-310-26-2011	DE-16-310	1	87	6.4	81	3.5	96	3.3	Inspection	4	100	84*	
DE-16-310-42-2011-K	DE-16-310	1	108	31.6	101	3.6	105	3.5	103	4	103	110*	
DE-16-310-53-2011	DE-16-310	1	97	26.8	95	3.5	93	3	93	4	99	102*	
DE-16-310-41-2011	DE-16-318	1	96		101		102		103		106	88	
DE-16-310-36-2011-K	DE-16-334	10	108		101		107		107		113	104	
DE-16-310-35-2011	DE-16-336	8	82		92		90		91		91	80	
DE-16-310-40-2011	DE-16-336	8	79		72		77		76		95	89	
DE-16-310-32-2011	DE-16-337	11	93		98		92		93		103	92	
DE-16-310-38-2011	DE-16-337	11	94		106		91		91		89	98	

Only one Varroa trait was recorded