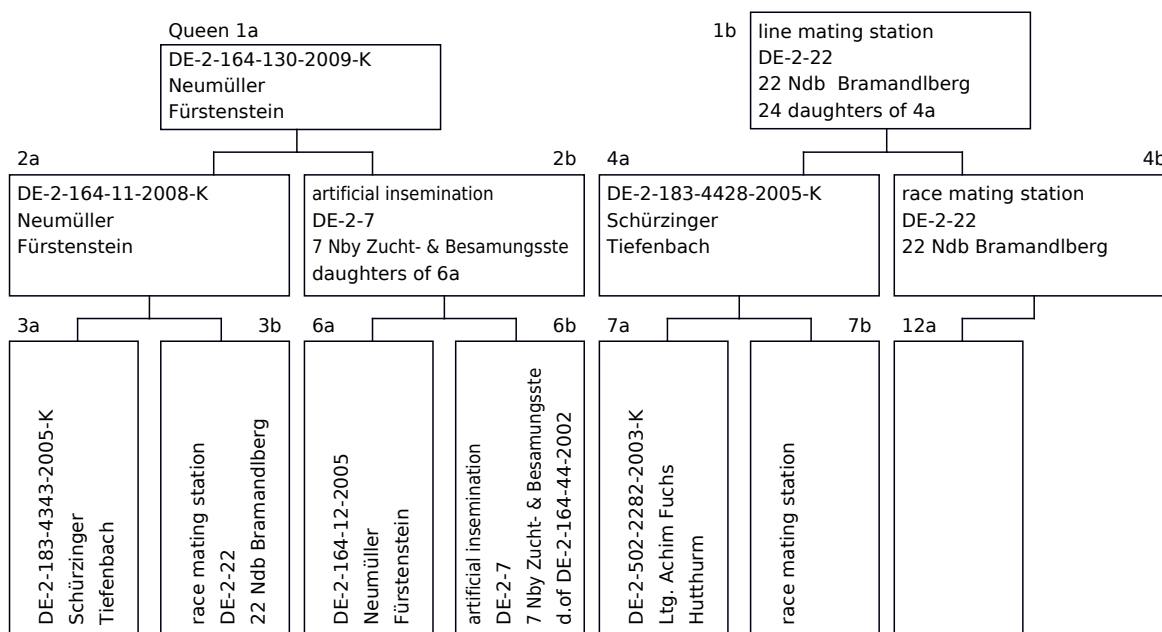


Tester of the queen: Haupteltshorfer, Werner, 89312 Günzburg, DE-2-264, Apiary 1
 Breeder of the queen: Neumüller, Walter, 94538 Fürstenstein, DE-2-164
1a Studbook number: **DE-2-164-130-2009-K**

Race line: Sign: green Daughters of Queen: 1.6%
 Generation: Hatch date: Workers: 3.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony Zu. Volk Zü. 264			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	73.7	102.4	1	2	72.0	
	Assessment*		Breeding values			Reliability
Total breeding value¹	-	75				
Honey yield	-	87				0.71
Defensive behavior	2.90	79				0.82
Steadiness on comb	3.50	79				0.83
Swarming drive	3	58				0.72
Varroa	-	85*				0.65
Performance index	-	71				0.71
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

none Analysis of race characteristics

E. Results

Class B
 Suitable for breeding.

Breeding selection report DE-2-164-130-2009-K

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Performance of the sisters

Amount of checked sisters: 5

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-2-164-183-2009	DE-2-164	1	80		79		Behavior		77		66	(87)	77
DE-2-164-190-2009	DE-2-164	1	75		80		80		Inspection		61	(87)	70
DE-2-164-178-2009	DE-2-164	2	80		83		91		90		61	(87)	78
DE-2-164-127-2009	DE-2-264	1	81	70.2	85	3.6	89	3.5	86	3	71	87*	79
DE-2-164-130-2009-K	DE-2-264	1	75	73.7	87	2.9	79	3.5	79	3	58	85*	71

Only one Varroa trait was recorded