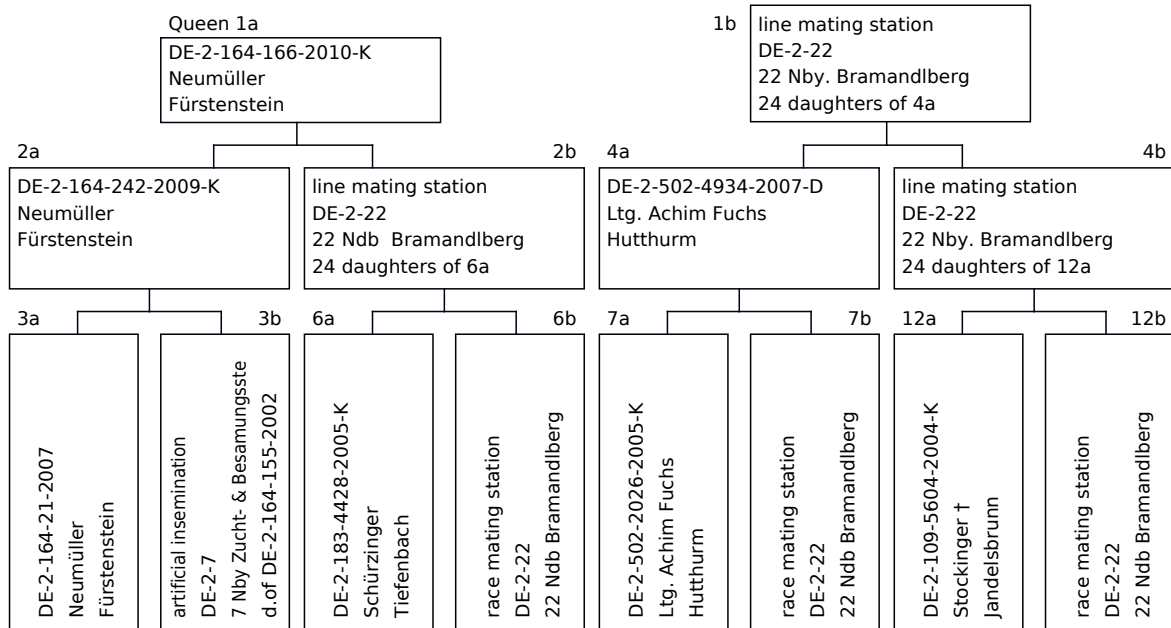


Tester of the queen: Ltg. Sven Zieseniss, Prüfhof Guglhör, 82418 Riegsee, DE-2-501, Apiary 1  
 Breeder of the queen: Neumüller, Walter, 94538 Fürstenstein, DE-2-164  
**1a** Studbook number: **DE-2-164-166-2010-K**

Race line: Sign: blue 40 Daughters of Queen: 0.5%  
 Generation: 1 Hatch date: 30.05.2010 Workers: 3.2%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony Volk 1507			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	47.3	124.1	8	45	38.1	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	105	■			
Honey yield	-	114	■			0.45
Defensive behavior	2.90	108	■			0.66
Steadiness on comb	2.80	110	■			0.69
Swarming drive	4	109	■			0.44
Varroa	-	94	■			0.55
Performance index	-	0				
Robustness in winter	4	70% 100% 170%				
Development in Spring	3					
Colony strength	4					

<sup>1</sup>In 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-2-164-166-2010-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 13

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-2-164-232-2010	DE-2-164	2	111		102		Behavior		116		108	(107)	
DE-2-164-233-2010	DE-2-164	2	114		107			inspection	116		108	(108)	
DE-2-164-163-2010-K	DE-2-501	1	114	32.9	103	2.8	105	2.8	103	4	96	125	
DE-2-164-165-2010-K	DE-2-501	1	101	21.6	92	2.9	101	2.5	100	1	80	113	
DE-2-164-166-2010-K	DE-2-501	1	105	47.3	114	2.9	108	2.8	110	4	109	94	
DE-2-164-153-2010-K	DE-2-502	2	89		109		89		92		89	87	
DE-2-164-155-2010-K	DE-2-502	2	110		107		104		103		100	113	
DE-2-164-156-2010-K	DE-2-502	2	111		114		100		100		101	116	
DE-2-164-157-2010-K	DE-2-503	3	106		110		104		105		103	103	
DE-2-164-158-2010-K	DE-2-503	3	101		102		109		111		103	92	
DE-2-164-159-2010-K	DE-2-503	3	117		116		116		117		108	111	
DE-2-164-160-2010-K	DE-2-503	3	117		121		115		115		107	112	
DE-2-164-161-2010-K	DE-2-503	3	103		107		106		107		102	97	