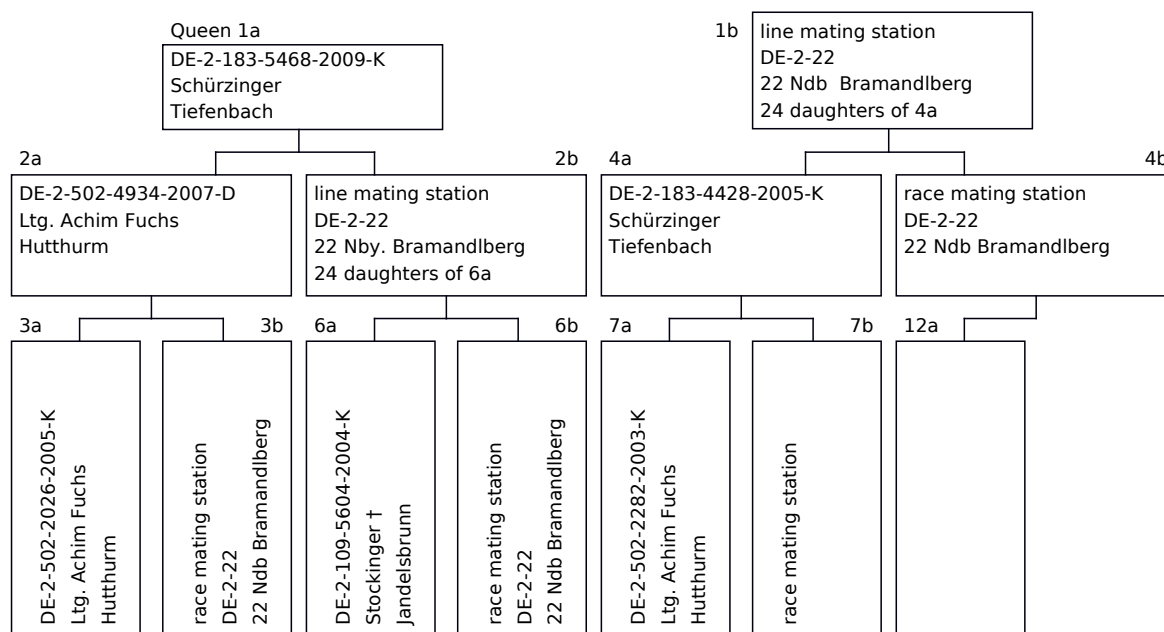


Tester of the queen: Schürzinger, Fritz, 94113 Tiefenbach, DE-2-183, Apiary 4  
 Breeder of the queen: Schürzinger, Fritz, 94113 Tiefenbach, DE-2-183  
**1a** Studbook number: **DE-2-183-5468-2009-K**

Race line: Sign: green Daughters of Queen: 12.9%  
 Generation: 14 Hatch date: 19.05.2009 Workers: 7.8%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony Volk 93			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	55	114.6	2	10	48	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	111	■			
Honey yield	-	114	■			0.48
Defensive behavior	3.50	107	■			0.64
Steadiness on comb	3.50	107	■			0.66
Swarming drive	4	103	■			0.46
Varroa	-	(110)	■			0.34
Performance index	-	0				
Robustness in winter	4	70% 100% 170%				
Development in Spring	4					
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

none Analysis of race characteristics

### 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-2-183-5468-2009-K

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### Performance of the sisters

Amount of checked sisters: 24

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-2-183-5514-2009	DE-2-183	1	100	43	96	3.5	100	3.5	100	3	100	(107)	
DE-2-183-5590-2009	DE-2-183	1	107	53	109	3.5	103	3.5	103	4	101	(108)	
DE-2-183-5459-2009	DE-2-183	2	108	57	113	3.5	103	3.5	103	4	100	(108)	
DE-2-183-5460-2009	DE-2-183	2	117	54	112	4	115	3.5	115	4	106	(114)	
DE-2-183-5588-2009	DE-2-183	2	115	50	107	4	115	3.5	114	4	104	(114)	
DE-2-183-5456-2009-K	DE-2-183	3	122	44	110	4	126	4	125	4	112	(115)	
DE-2-183-5457-2009	DE-2-183	3	99	41	98	3.5	96	3	96	3	84	(107)	
DE-2-183-5510-2009	DE-2-183	3	104	49	108	3.5	97	3	97	4	100	(108)	
DE-2-183-5511-2009	DE-2-183	3	108	50	110	3.5	103	3.5	103	4	103	(108)	
DE-2-183-5450-2009	DE-2-183	4	110	52	111	3.5	106	3.5	106	4	103	(110)	
DE-2-183-5461-2009	DE-2-183	4	111	54	113	3.5	107	3.5	107	4	103	(110)	
DE-2-183-5463-2009	DE-2-183	4	100	40	96	3.5	97	3	96	4	95	(107)	
DE-2-183-5466-2009	DE-2-183	4	126	57	119	4	124	3.5	123	4	113	(119)	
DE-2-183-5468-2009-K	DE-2-183	4	111	55	114	3.5	107	3.5	107	4	103	(110)	
DE-2-183-5516-2009	DE-2-183	4	110	53	112	3.5	107	3.5	107	4	103	(110)	
DE-2-183-5453-2009	DE-2-183	5	106	57	107	3.5	102	3.5	102	4	99	(107)	
DE-2-183-5458-2009	DE-2-183	5	99	50	98	3.5	95	3	95	4	95	(106)	
DE-2-183-5512-2009	DE-2-183	5	103	59	107	3.5	96	3	96	4	98	(107)	
DE-2-183-5591-2009	DE-2-183	5	105	54	104	3.5	102	3.5	102	4	98	(107)	
DE-2-502-5491-2009-K	DE-2-502	2	119		113		115		115		104	119	
DE-2-502-5492-2009-K	DE-2-502	2	102		94		107		108		98	102	
DE-2-502-5493-2009-K	DE-2-502	2	107		110		97		96		96	115	
DE-2-502-5494-2009-K	DE-2-502	2	113		114		111		112		105	109	
DE-2-502-5495-2009-K	DE-2-502	2	99		101		97		97		96	102	