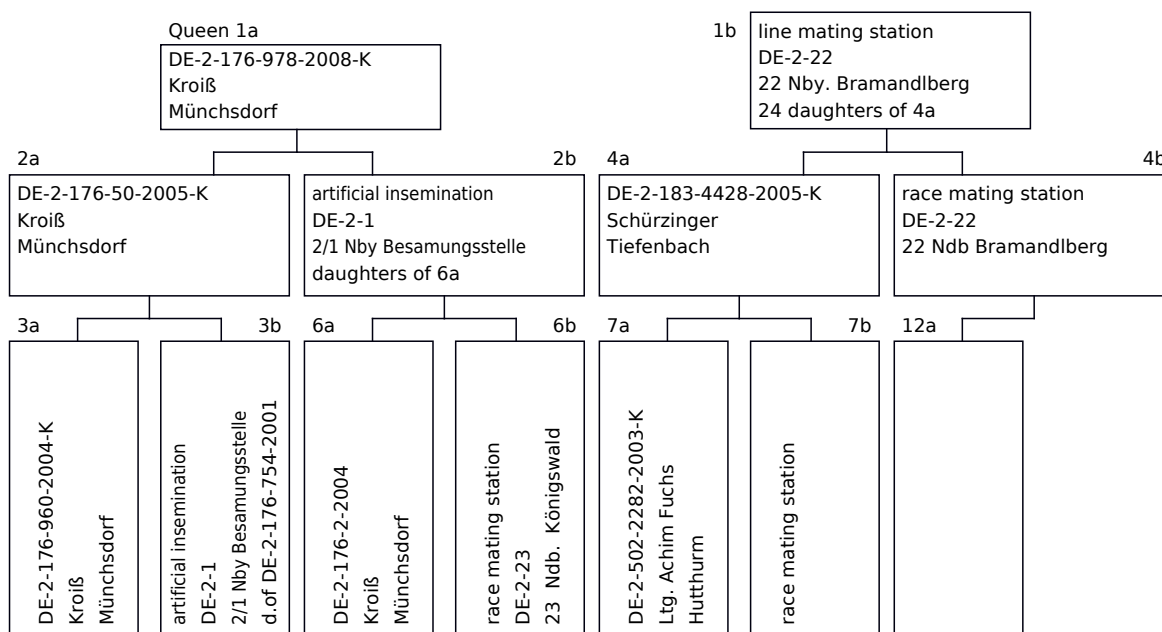


Tester of the queen: Lang, Bernhard, 91278 Pottenstein, DE-2-152, Apiary 1  
 Breeder of the queen: Kroiß, Alois, 94439 Münchsdorf, DE-2-176  
**1a** Studbook number: **DE-2-176-978-2008-K**

Race line: Sign: red Daughters of Queen: 4.2%  
 Generation: Hatch date: Workers: 0%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony Volk 19		Zuchtvolk	comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	33	100	1	1	33	
	Assessment*	Breeding values				Reliability
<b>Total breeding value<sup>1</sup></b>	-	109				
Honey yield	-	111				0.22
Defensive behavior	4	110				0.18
Steadiness on comb	4	111				0.24
Swarming drive	3	101				0.27
Varroa	-	105*				0.28
Performance index	-	0				
Robustness in winter			70%	100%	170%	
Development in Spring						
Colony strength						

<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%.

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 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-2-176-978-2008-K

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### Performance of the sisters

Amount of checked sisters: 19

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-2-176-978-2008-K	DE-2-152	1	109	33	111	4	110	4	111	3	101	105*	
DE-2-176-46-2008	DE-2-176	4	109		96		117		inspection 117		99	107	
DE-2-176-47-2008	DE-2-176	4	112		124		114		116		108	99	
DE-2-176-49-2008	DE-2-176	4	121		124		120		120		107	114	
DE-2-176-50-2008	DE-2-176	4	105		109		118		121		109	88	
DE-2-176-51-2008	DE-2-176	4	108		103		102		101		93	116	
DE-2-176-48-2008	DE-2-176	5	109		108		110		110		100	106	
DE-2-176-73-2008-K	DE-2-176	5	121		119		124		124		109	112*	
DE-2-176-44-2008-K	DE-2-176	6	112		111		117		118		101	(105)	
DE-2-176-89-2008	DE-2-176	6	110		102		117		117		101	(105)	
DE-2-176-90-2008	DE-2-176	6	118		123		119		120		107	(109)	
DE-2-176-91-2008	DE-2-176	6	104		113		101		102		98	(102)	
DE-2-176-565-2008	DE-2-192	1	100		97		103		103		96	(100)	
DE-2-176-980-2008-K	DE-14-122	2	100		108		92		92		91	106	
DE-2-176-982-2008	DE-14-122	2	98		107		118		122		111	74	
DE-2-176-983-2008-K	DE-14-122	2	115		122		112		113		103	110	
DE-2-176-984-2008	DE-14-122	2	109		103		103		101		91	119	
DE-2-176-985-2008-K	DE-14-122	2	116		113		118		118		104	110	
DE-2-176-986-2008-K	DE-14-122	2	118		121		118		119		106	112	

Only one Varroa trait was recorded