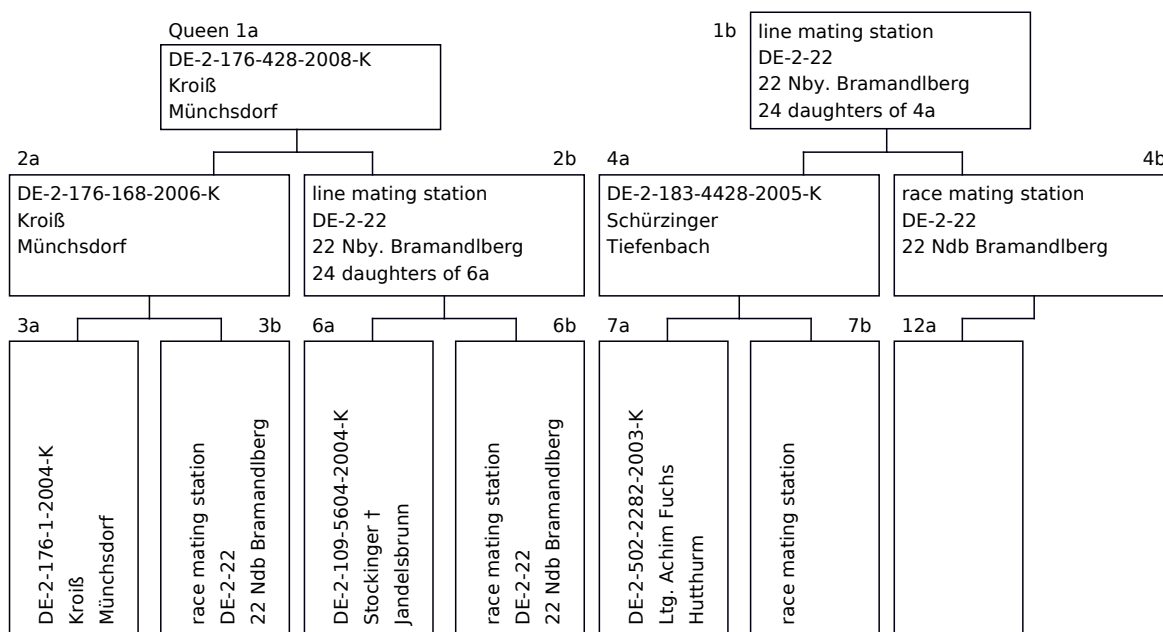


Tester of the queen: Ltg. Achim Fuchs, Prüfhof Kringell, 94116 Hutthurm, DE-2-502, Apiary 2  
 Breeder of the queen: Kroiß, Alois, 94439 Münchsdorf, DE-2-176  
**1a** Studbook number: **DE-2-176-428-2008-K**

Race line: -1 Sign: red 28 Daughters of Queen: 9.9%  
 Generation: Hatch date: 01.06.2008 Workers: 7.5%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony Volk 2332			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	48.2	124.9	15	58	38.6
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	113			
Honey yield	-	110			0.51
Defensive behavior	3.70	111			0.7
Steadiness on comb	3.50	111			0.72
Swarming drive	4	108			0.5
Varroa	-	110			0.59
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

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-2-176-428-2008-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 22

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-2-176-949-2009	AT-99-120	1	103		101		109		109		109	101*	
DE-2-176-950-2009	AT-99-120	2	108		103		107		107		104	108*	
DE-2-176-916-2009-K	DE-2-731	9	126		116		121		119		115	123	
DE-2-176-1061-2009-K	DE-14-122	5	118		124		112		111		108	115	
DE-2-176-567-2008	DE-2-192	1	99		95		98		97		98	(103)	
DE-2-176-527-2008	DE-2-242	1	109		101		107		106		108	(108)	
DE-2-176-522-2008-K	DE-2-242	2	103		105		99		99		101	(104)	
DE-2-176-524-2008	DE-2-242	2	98		95		96		95		97	(102)	
DE-2-176-525-2008	DE-2-242	2	106		100		105		105		97	(108)	
DE-2-176-421-2008-K	DE-2-501	1	107		103		116		116		112	96	
DE-2-176-423-2008-K	DE-2-501	1	103		104		103		103		105	99	
DE-2-176-425-2008-K	DE-2-501	1	111		106		116		116		100	108	
DE-2-176-426-2008-K	DE-2-502	2	109	12	91	3.8	112	3.5	110	3	90	116*	
DE-2-176-427-2008	DE-2-502	2	83	4	85	3.5	104	3.5	107	3	94	70*	
DE-2-176-428-2008-K	DE-2-502	2	113	48.2	110	3.7	111	3.5	111	4	108	110	
DE-2-176-429-2008-K	DE-2-502	2	105	34.3	102	3.5	106	3.5	106	4	103	103	
DE-2-176-432-2008	DE-2-503	3	113		96		107		105		86	127*	
DE-2-176-433-2008-K	DE-2-503	3	121		103		108		104		100	136	
DE-2-176-434-2008-K	DE-2-503	3	104		104		108		109		109	96	
DE-2-176-435-2008	DE-2-503	3	114		96		107		104		85	131*	
DE-2-176-436-2008-K	DE-2-503	3	112		111		107		106		105	112	
DE-2-176-550-2008-K	DE-2-710	1	106		106		103		103		101	(106)	

Only one Varroa trait was recorded