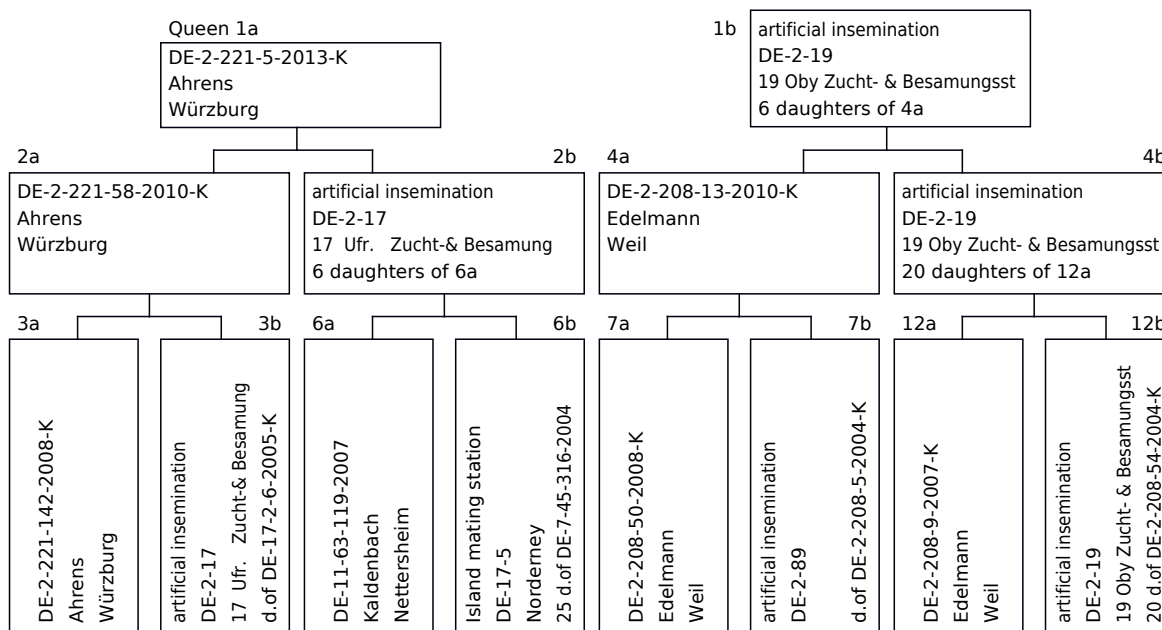


Tester of the queen: Edelmann, Dieter, 86947 Weil, DE-2-208, Apiary 1  
 Breeder of the queen: Ahrens, Dirk, 97074 Würzburg, DE-2-221  
**1a** Studbook number: **DE-2-221-5-2013-K**

Race line: -2 Sign: red 73 Daughters of Queen: 0.4%  
 Generation: 1 Hatch date: 26.5.2013 Workers: 1.3%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 12			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	37	111.6	4	20	33.2	
	Assessment*	Breeding values				Reliability
<b>Total breeding value<sup>1</sup></b>	-	124				
Honey yield	-	110				0.35
Defensive behavior	4	115				0.53
Steadiness on comb	4	112				0.56
Swarming drive	4	114				0.36
Varroa	-	127				0.46
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 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-2-221-5-2013-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 7

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-2-221-1-2013	DE-2-208	1	117	31	102	4	117	4	117	4	117	117	
DE-2-221-2-2013	DE-2-208	1	113	29	100	4	113	4	113	4	116	109	
DE-2-221-3-2013	DE-2-208	1	113	30	101	4	114	4	113	4	116	109	
DE-2-221-4-2013	DE-2-208	1	108	22	91	4	113	4	112	4	114	104	
DE-2-221-5-2013-K	DE-2-208	1	124	37	110	4	115	4	112	4	114	127	
DE-2-221-6-2013	DE-2-208	1	115	31	101	4	113	4	112	3	100	120	
DE-2-221-7-2013	DE-2-208	1	112	29	99	4	113	4	112	3	100	113	