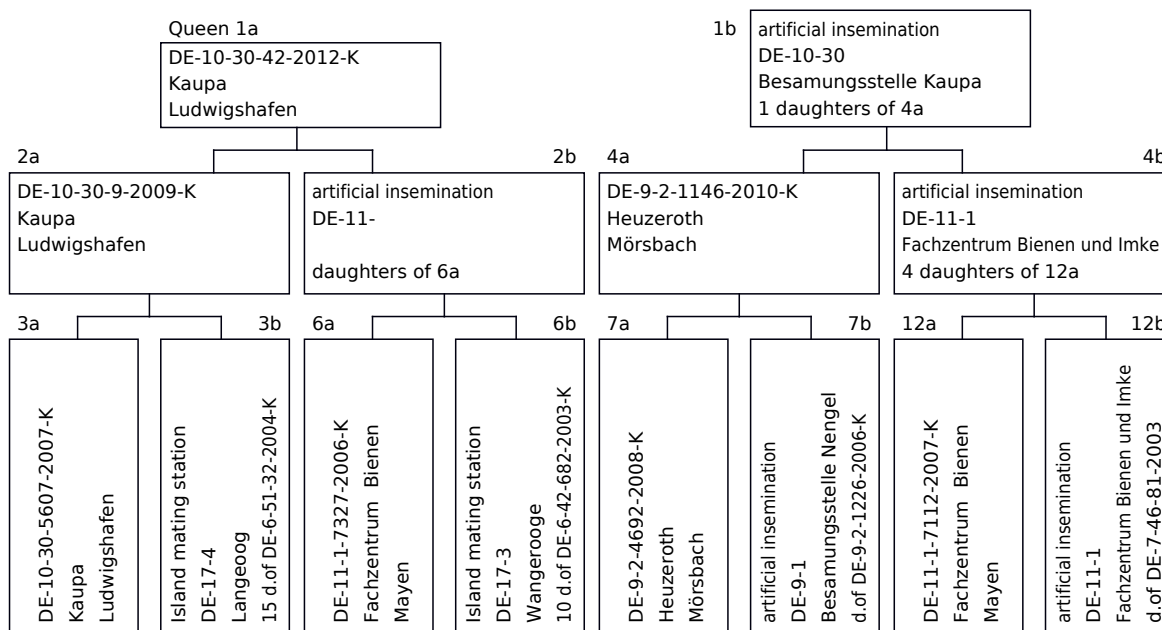


Tester of the queen: Lensch, Armin, 66606 St. Wendel, DE-12-3, Apiary 2  
 Breeder of the queen: Kaupa, Anton, 67065 Ludwigshafen, DE-10-30  
**1a** Studbook number: **DE-10-30-42-2012-K**

Race line: Sign: yellow 42  
 Generation: 5 Hatch date: 30.06.2012

Daughters of Queen: 1%  
 Workers: 0.8%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony W5			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	48	167.4	1	3	28.7
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	123			
Honey yield	-	121			0.29
Defensive behavior	4	111			0.42
Steadiness on comb	4	110			0.46
Swarming drive	4	109			0.31
Varroa	-	124			0.39
Performance index	-	0			
Robustness in winter	3.80		70%	100%	170%
Development in Spring	3.80				
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-10-30-42-2012-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 8

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-10-30-49-2012-K	DE-10-30	1	126		115		Behavior		113		106	122	
DE-10-30-52-2012	DE-10-30	1	89		102				91		99	86	
DE-10-30-54-2012-K	DE-10-30	1	118		114				113		106	117	
DE-10-30-55-2012	DE-10-30	1	129		120				124		111	126	
DE-10-30-36-2012	DE-11-124	1	96		94				105		87	95	
DE-10-30-42-2012-K	DE-12-3	2	123	48	121	4	111	4	110	4	109	124	
DE-10-30-44-2012	DE-12-3	2	106	30	107	4	103	3.8	104	3.2	95	109	
DE-10-30-46-2012	DE-12-3	2	99	8	95	4	102	3.8	103	4	105	97	