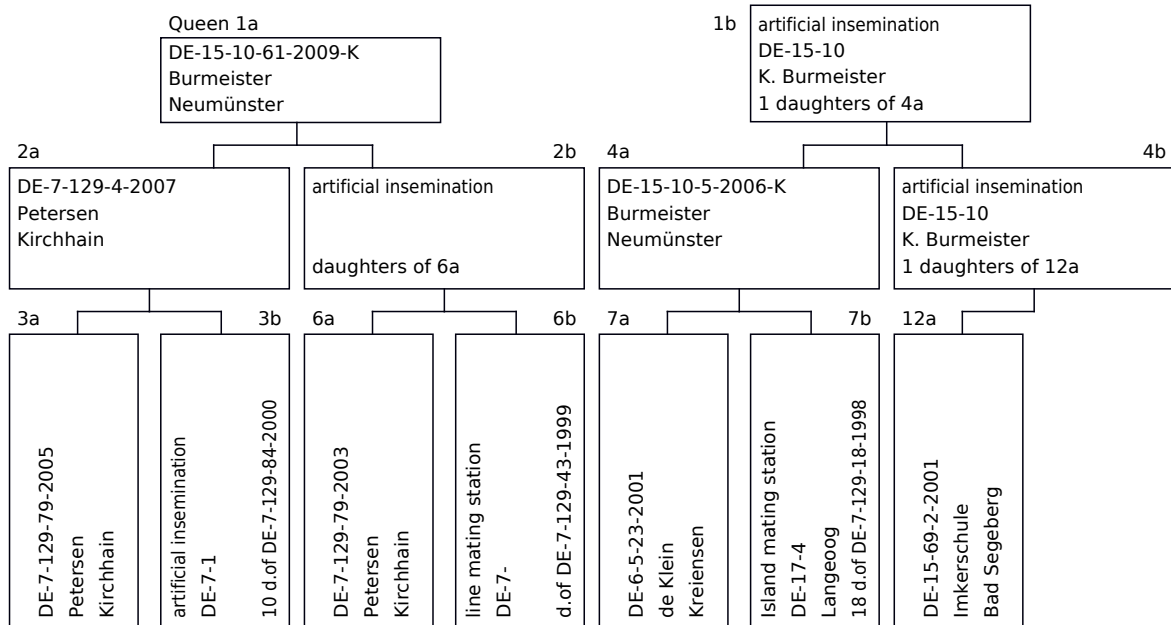


Tester of the queen: Burmeister, Klaus, 24536 Neumünster, DE-15-10, Apiary 1  
 Breeder of the queen: Burmeister, Klaus, 24536 Neumünster, DE-15-10  
**1a** Studbook number: **DE-15-10-61-2009-K**

Race line: -2 Sign: green 51 Daughters of Queen: 13.6%  
 Generation: 16 Hatch date: 17.06.2009 Workers: 0.6%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony Volk 16			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	76.5	124.6	1	15	61.4
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	111			
Honey yield	-	118			0.38
Defensive behavior	3.90	106			0.53
Steadiness on comb	3.80	106			0.56
Swarming drive	3.70	113			0.37
Varroa	-	105			0.45
Performance index	-	0			
Robustness in winter	3.90		70%	100%	170%
Development in Spring	3.90				
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-15-10-61-2009-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 10

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-15-10-54-2009	DE-15-10	1	94	52.5	91	3.8	91	3.8	91	3.7	94	94	
DE-15-10-58-2009	DE-15-10	1	96	53.5	92	3.8	98	3.8	97	3.7	102	97	
DE-15-10-59-2009-K	DE-15-10	1	92	65.5	105	3.8	99	3.8	101	3.7	110	80	
DE-15-10-61-2009-K	DE-15-10	1	111	76.5	118	3.9	106	3.8	106	3.7	113	105	
DE-15-10-64-2009	DE-15-10	1	96	68.5	107	3.8	94	3.7	95	3.7	107	90	
DE-15-10-65-2009-K	DE-15-10	1	109	65.5	105	3.8	99	3.8	97	3.6	98	118	
DE-15-10-66-2009	DE-15-10	1	98	53.5	92	3.8	97	3.8	97	3.7	101	102	
DE-15-10-67-2009-K	DE-15-10	1	95	63.5	102	3.8	98	3.8	100	3.6	104	88	
DE-15-10-78-2009-K	DE-15-10	1	104	66	106	3.8	99	3.8	98	3.7	105	104	
DE-15-10-86-2009	DE-15-10	1	102	52	91	3.8	98	3.8	96	3.7	98	111	