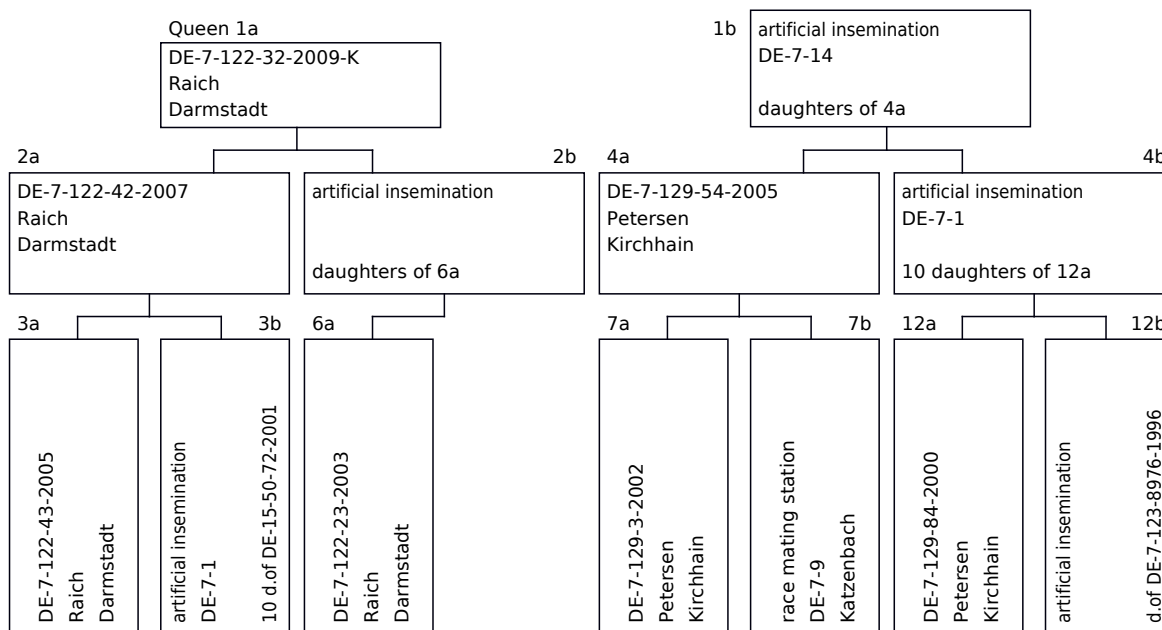


Tester of the queen: Raich, Werner, 64287 Darmstadt, DE-7-122, Apiary 1  
 Breeder of the queen: Raich, Werner, 64287 Darmstadt, DE-7-122  
**1a** Studbook number: **DE-7-122-32-2009-K**

Race line: -1 Sign: green 32 Daughters of Queen: 0.0%  
 Generation: Hatch date: Workers: 0.0%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	61	109.6	2	10	55.7	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	82				
Honey yield	-	98				0.22
Defensive behavior	4	81				0.31
Steadiness on comb	3	84				0.26
Swarming drive	3	93				0.16
Varroa	-	79*				0.08
Performance index	-	87				0.22
Robustness in winter			70% 100% 170%			
Development in Spring	3					
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%.

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).

For the correctness DE-7

# Breeding selection report DE-7-122-32-2009-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 14

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 ndex
DE-7-122-31-2010	DE-7-122	1	75	71.1	91	3	Behavior	3	during	3	dgye	78*	77
DE-7-122-33-2010-K	DE-7-122	1	75	86.2	94	3	71	3	inspection	3	84	77*	78
DE-7-122-35-2010	DE-7-122	1	76	79.9	92	3	72	3	76	3	84	78*	77
DE-7-122-39-2010	DE-7-122	1	77	68	90	3	73	3	77	3	83	81*	77
DE-7-122-31-2009	DE-7-122	1	75	48.5	88	3	72	3	75	3	80	81*	75
DE-7-122-32-2009-K	DE-7-122	1	82	61	98	4	81	3	84	3	93	79*	87
DE-7-122-33-2009	DE-7-122	1	75	54.5	91	3	71	3	75	3	83	79*	76
DE-7-122-34-2009	DE-7-122	1	73	52.4	90	3	71	3	75	3	82	75*	76
DE-7-122-35-2009	DE-7-122	1	77	58.3	93	3	71	3	75	3	85	82*	77
DE-7-122-36-2009	DE-7-122	1	75	45.5	86	3	72	3	75	3	79	82*	74
DE-7-122-37-2009	DE-7-122	1	76	50.2	89	3	72	3	75	3	81	82*	75
DE-7-122-45-2009	DE-7-122	1	82	68.6	99	4	82	3	85	3	93	78*	88
DE-7-122-46-2009	DE-7-122	1	76	57.8	93	3	71	3	75	3	85	79*	77
DE-7-122-47-2009-K	DE-7-122	1	81	60	94	4	83	3	85	3	89	79*	85

Only one Varroa trait was recorded