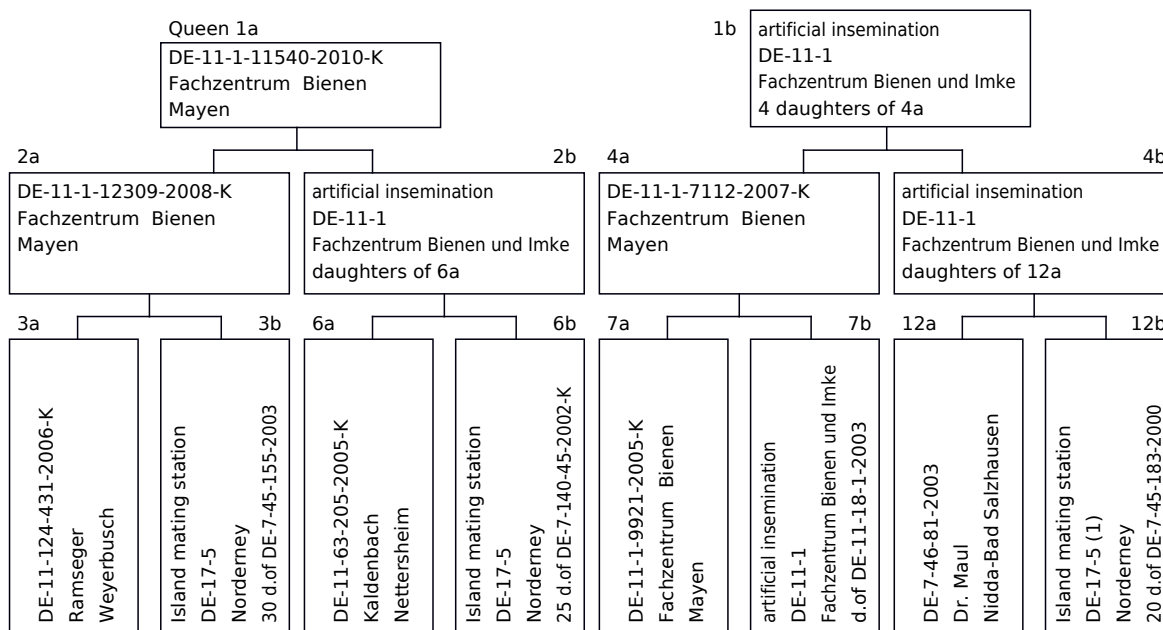


Tester of the queen: Bonn, Uni, Bonn, DE-11-19, Apiary 19  
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1  
**1a** Studbook number: **DE-11-1-11540-2010-K**

Race line: -72 Sign: blue 40 Daughters of Queen: 0.8%  
 Generation: 12 Hatch date: 08.06.2010 Workers: 0.1%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	65.7	120.1	2	16	54.7
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	133			
Honey yield	-	127			0.42
Defensive behavior	3.60	121			0.63
Steadiness on comb	3.70	121			0.65
Swarming drive	4	115			0.42
Varroa	-	132			0.53
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength					

<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-11-1-11540-2010-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 5

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-11-1-11762-2010-K	DE-11-1	2	122		112		119		119		109	125	
DE-11-1-11760-2010	DE-11-1	10	120		104		119		119		109	119	
DE-11-1-11540-2010-K	DE-11-19	19	133	65.7	127	3.6	121	3.7	121	4	115	132	
DE-11-1-11757-2010	DE-11-63	2	118		114		111		112		108	117	
DE-11-1-11756-2010	DE-11-131	1	111		104		102		101		87	(123)	