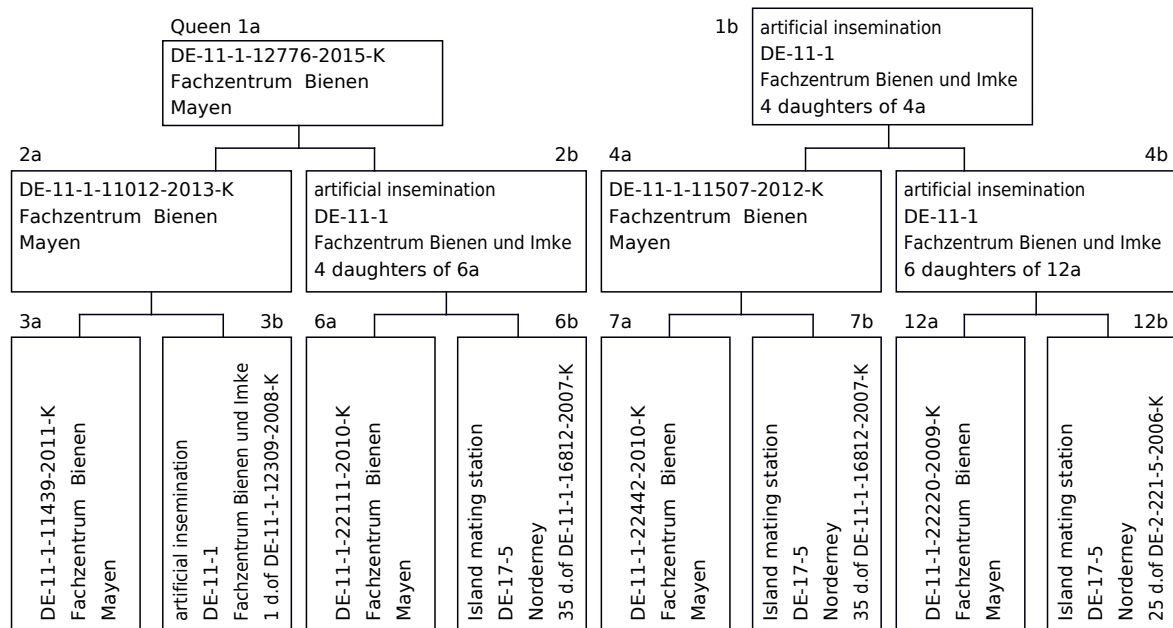


Tester of the queen: Bunsen, Jan Dirk, 67699 Heiligenmoschel, DE-11-171, Apiary 1  
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1  
**1a** Studbook number: **DE-11-1-12776-2015-K**

Race line: -72 Sign: blue 76 Daughters of Queen: 11.2%  
 Generation: 6 Hatch date: 09.06.2015 Workers: 4.8%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony A67			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	75.9	148.7	2	17	51.0
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	138			
Honey yield	-	125			0.44
Defensive behavior	3.50	124			0.64
Steadiness on comb	2.90	120			0.66
Swarming drive	3.50	136			0.44
Varroa	-	134			0.54
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-11-1-12776-2015-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 9

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-11-1-13228-2015-K	DE-11-1	5	127		108		Behavior		100		drive	136	
DE-11-1-12426-2015	DE-11-1	8	107		106			inspection	100		114	106	
DE-11-1-13227-2015	DE-11-1	10	118		93				105		109	130	
DE-11-1-13224-2015-K	DE-11-1	16	129		105				108		106	144	
DE-11-1-12422-2015	DE-11-19	19	117		103				99		103	130	
DE-11-1-13221-2015	DE-11-63	3	124		112				113		112	127	
DE-11-1-12776-2015-K	DE-11-171	1	138	75.9	125	3.5	124	2.9	120	3.5	136	134	
DE-11-1-12777-2015	DE-11-171	1	105	71.9	115	1.9	96	2.3	96	3	116	100	
DE-11-1-12774-2015	DE-18-901	1	113		99		106		104		108	(120)	