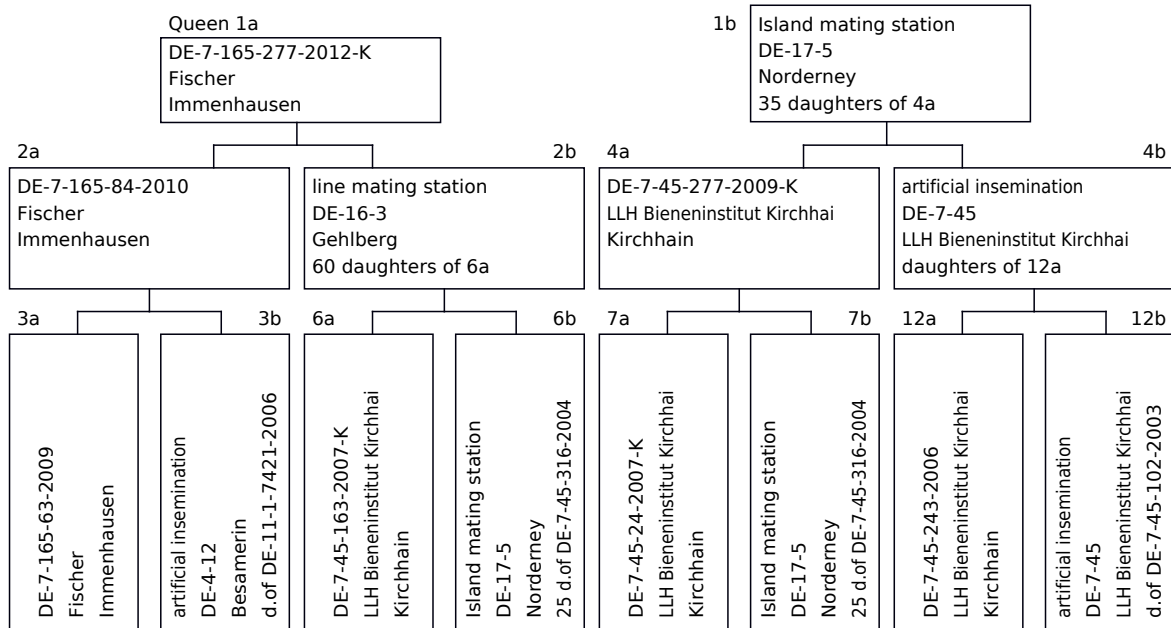



Tester of the queen: Fischer, Wolfgang, 34376 Immenhausen, DE-7-165, Apiary 2  
Breeder of the queen: Fischer, Wolfgang, 34376 Immenhausen, DE-7-165  
**1a** Studbook number: **DE-7-165-277-2012-K**

Race line: Sign: yellow 98  
Generation: 4 Hatch date: 24.05.2012  
Daughters of Queen: 0%  
Workers: 0.3%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony Volk 277			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	86	99.2	4	6	86.7	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	117				
Honey yield	-	110				0.39
Defensive behavior	3.60	113				0.57
Steadiness on comb	3.80	112				0.6
Swarming drive	3	104				0.39
Varroa	-	119				0.49
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-7-165-277-2012-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 19

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-7-165-248-2012	DE-7-139	2	94		104		104		104		104	98	
DE-7-165-230-2012	DE-7-165	1	105	60	107	3.3	92	3.3	91	3	99	114	
DE-7-165-255-2012	DE-7-165	1	106	65	115	3.5	104	3.4	105	3	110	99	
DE-7-165-256-2012	DE-7-165	1	102	59	107	3.3	92	3.3	92	3	100	107	
DE-7-165-258-2012	DE-7-165	1	88	43	90	3.2	87	3.3	88	1	84	95	
DE-7-165-279-2012	DE-7-165	1	113	60	111	3.5	106	3.5	106	3	106	115	
DE-7-165-187-2012	DE-7-165	2	94	84	102	3.1	89	3.1	89	3	96	98	
DE-7-165-189-2012	DE-7-165	2	96	89	108	3.1	88	3	89	3	98	99	
DE-7-165-237-2012	DE-7-165	2	107	83	105	3.5	105	3.6	105	3	102	107	
DE-7-165-276-2012	DE-7-165	2	98	88	108	3.1	93	3.4	95	3	100	97	
DE-7-165-277-2012-K	DE-7-165	2	117	86	110	3.6	113	3.8	112	3	104	119	
DE-7-165-229-2012	DE-7-165	3	109	62	111	3.4	105	3.2	105	3	105	(108)	
DE-7-165-260-2012	DE-7-165	3	95	57	101	3	89	3	89	3	95	(101)	
DE-7-165-261-2012	DE-7-165	3	101	52	97	3.3	100	3.2	100	3	99	(104)	
DE-7-165-262-2012	DE-7-165	3	102	59	106	3.2	98	3.2	98	3	100	(104)	
DE-7-165-263-2012	DE-7-165	3	103	62	110	3.2	96	3.1	97	3	101	(105)	
DE-7-165-268-2012	DE-7-165	3	103	58	105	3.2	100	3.3	101	3	101	(104)	
DE-7-165-249-2012	DE-7-310	1	102		102		97		96		99	106	
DE-7-165-247-2012	DE-7-315	1	98		105		106		108		107	86	