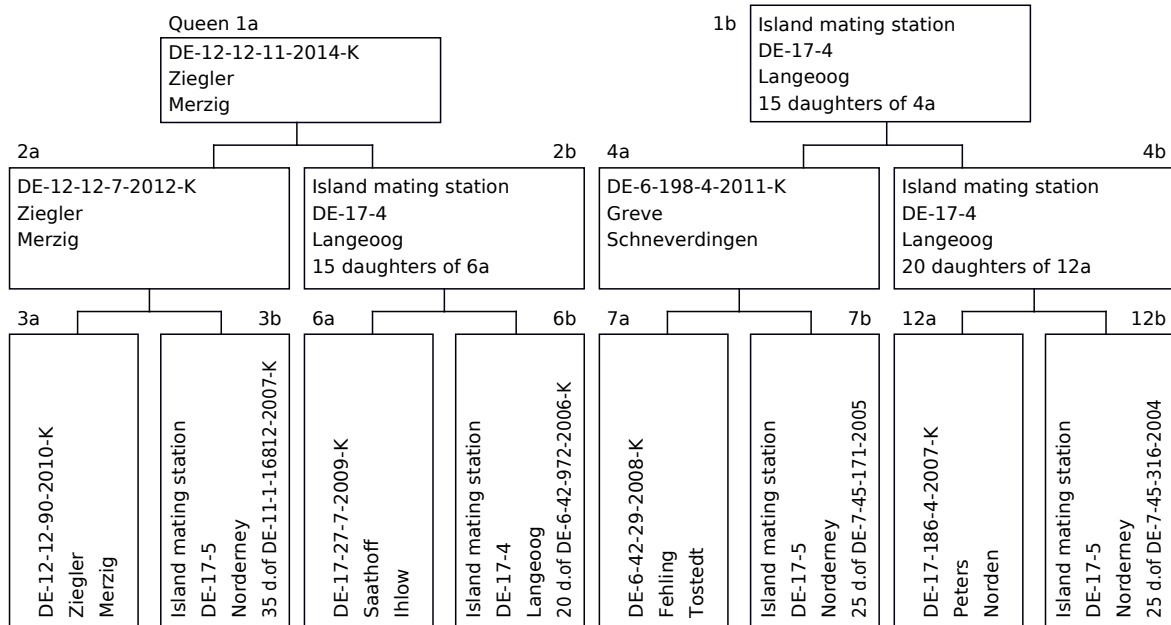


Tester of the queen: Ziegler, Heinz, 66663 Merzig, DE-12-12, Apiary 1  
 Breeder of the queen: Ziegler, Heinz, 66663 Merzig, DE-12-12  
**1a** Studbook number: **DE-12-12-11-2014-K**

Race line: Sign: green 11 Daughters of Queen: 2.3%  
 Generation: 6 Hatch date: 11.7.2014 Workers: 1%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 11			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	59.1	161.4	1	16	36.6
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	138			
Honey yield	-	131			0.41
Defensive behavior	3.60	137			0.61
Steadiness on comb	3.50	137			0.64
Swarming drive	4	126			0.42
Varroa	-	124			0.52
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-12-12-11-2014-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 Behavior	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-12-12-1-2014	DE-12-12	1	91	25.9	94	2.1	100	2	100	4	100	84	
DE-12-12-2-2014	DE-12-12	1	97	29.6	98	1.9	100	2.6	101	4	104	93	
DE-12-12-4-2014	DE-12-12	1	101	31.3	100	2.4	102	2.5	103	4	106	99	
DE-12-12-5-2014	DE-12-12	1	103	37.4	105	2.6	105	2.5	106	4	109	97	
DE-12-12-7-2014	DE-12-12	1	105	36.4	103	2.5	102	2.2	102	4	106	105	
DE-12-12-8-2014-K	DE-12-12	1	129	52.7	123	3.4	128	3.3	128	4	121	119	
DE-12-12-9-2014	DE-12-12	1	94	29.9	97	2.1	97	2	98	4	105	89	
DE-12-12-10-2014	DE-12-12	1	97	34.3	101	2.3	100	2.2	101	4	107	91	
DE-12-12-11-2014-K	DE-12-12	1	138	59.1	131	3.6	137	3.5	137	4	126	124	
DE-12-12-13-2014	DE-12-12	1	99	33.9	102	2.5	103	2.4	104	4	109	91	
DE-12-12-14-2014	DE-12-12	1	106	36.5	105	2.7	106	2.6	107	4	109	101	
DE-12-12-15-2014	DE-12-12	1	94	29.5	97	2.2	98	2.1	100	4	106	89	
DE-12-12-17-2014	DE-12-12	1	95	31.8	99	2.2	98	2	99	4	106	91	
DE-12-12-19-2014	DE-12-12	1	98	33.5	101	2.2	100	2.3	101	4	106	93	