

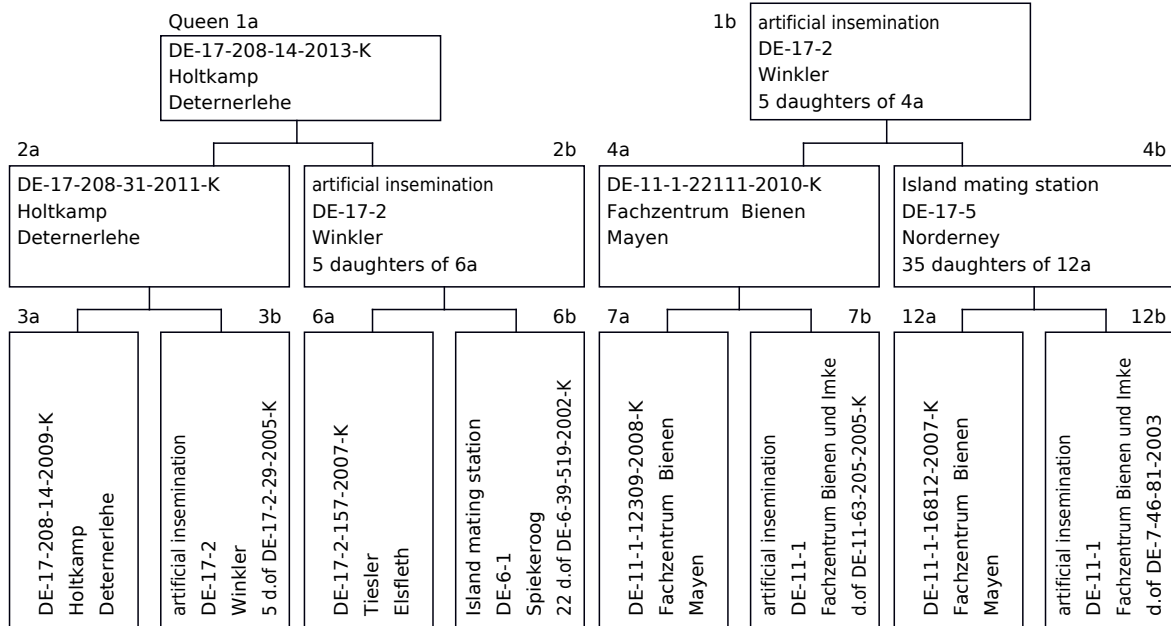
Tester of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208, Apiary 1  
Breeder of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208  
**1a** Studbook number: **DE-17-208-14-2013-K**

Race line: -22  
Generation: 6

Sign: red 46  
Hatch date: 28.05.2013

Daughters of  
Queen: 0.3%  
Workers: 0.5%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony Volk 89			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	41.1	118.6	5	13	34.7
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	117			
Honey yield	-	110			0.43
Defensive behavior	3.50	105			0.62
Steadiness on comb	3.50	104			0.65
Swarming drive	4	108			0.43
Varroa	-	123			0.53
Performance index	-	0			
Robustness in winter	4		70%	100%	170%
Development in Spring	4				
Colony strength	3.50				

<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-17-208-14-2013-K

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### Performance of the sisters

Amount of checked sisters: 11

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-17-208-11-2013	DE-17-208	1	121	42.3	113	3.5	100	4	100	4	100	121	
DE-17-208-12-2013	DE-17-208	1	100	32.6	104	3.5	100	3	101	4	111	94	
DE-17-208-14-2013-K	DE-17-208	1	117	41.1	110	3.5	105	3.5	104	4	108	123	
DE-17-208-17-2013	DE-17-208	1	114	33.3	106	3.5	105	3.5	104	4	107	119	
DE-17-208-19-2013	DE-17-208	2	99	35.4	106	3.5	98	3	99	4	111	93	
DE-17-208-22-2013	DE-17-208	2	115	52.3	122	3.5	111	4	112	4	117	105	
DE-17-208-15-2013	DE-17-208	3	110	20.9	111	3.5	111	2.5	112	4	122	98	
DE-17-208-16-2013	DE-17-208	3	115	17	109	3.5	110	2.5	110	4	119	111	
DE-17-208-20-2013	DE-17-208	3	118	5	101	3.5	110	2.5	107	2	96	129	
DE-17-208-21-2013	DE-17-208	3	122	17.9	110	3.5	114	3	113	4	117	122	
DE-17-208-13-2013	DE-17-208	4	125	39.5	125	3.5	127	3.5	129	4	136	104	