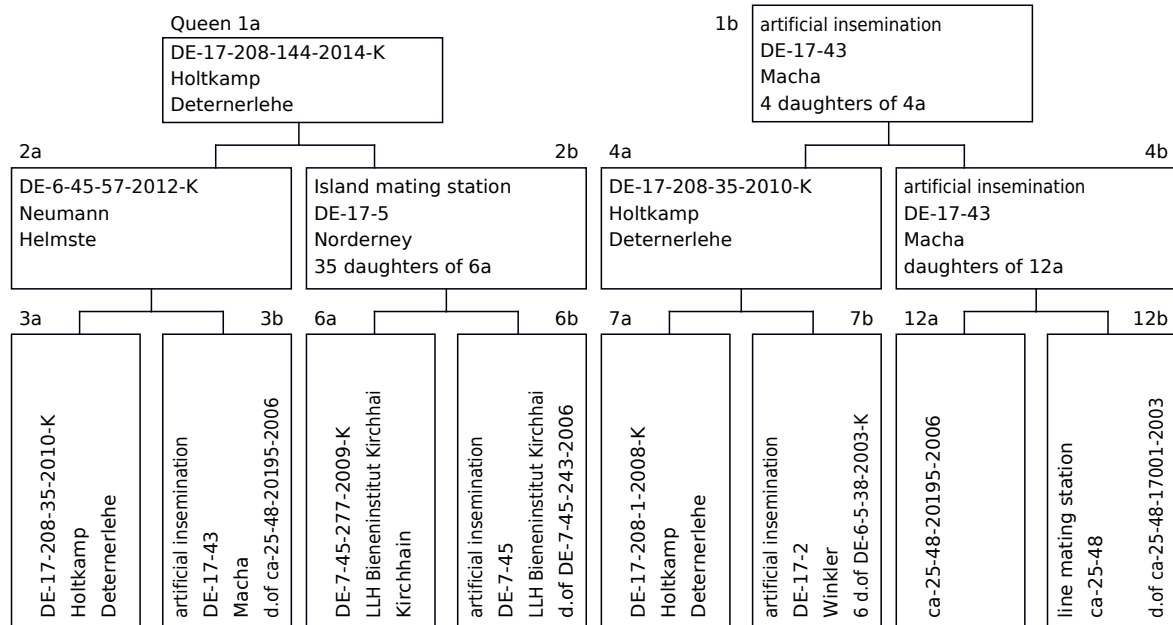


Tester of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208, Apiary 2  
Breeder of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208  
**1a** Studbook number: **DE-17-208-144-2014-K**

Race line: -40 Sign: green 85 Daughters of Queen: 0%  
Generation: 1 Hatch date: 18.07.2014 Workers: 9.7%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony Volk 67			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	53.2	234.1	2	22	22.7
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	138			
Honey yield	-	120			0.45
Defensive behavior	4	131			0.66
Steadiness on comb	4	128			0.68
Swarming drive	4	120			0.44
Varroa	-	137			0.55
Performance index	-	0			
Robustness in winter	3.50		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-17-208-144-2014-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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-17-208-149-2014	DE-17-85	2	106		97		Behavior		109		drive	103	
DE-17-208-154-2014	DE-17-85	2	112		108		110		inspection		113	109	
DE-17-208-155-2014	DE-17-85	2	115		110		111		109		112	114	
DE-17-208-158-2014	DE-17-85	2	119		111		111		109		110	121	
DE-17-208-144-2014-K	DE-17-208	2	138	53.2	120	4	131	4	128	4	120	137	
DE-17-208-145-2014	DE-17-208	2	104	35.6	106	3	102	3	102	4	111	101	
DE-17-208-152-2014	DE-17-208	2	119	49.2	116	4	123	3.5	124	4	125	104	
DE-17-208-156-2014-K	DE-17-208	2	114	33	110	3.5	120	4	121	4	120	100	
DE-17-208-157-2014-K	DE-17-208	2	109	28.3	106	3.5	112	3.5	112	4	116	100	