

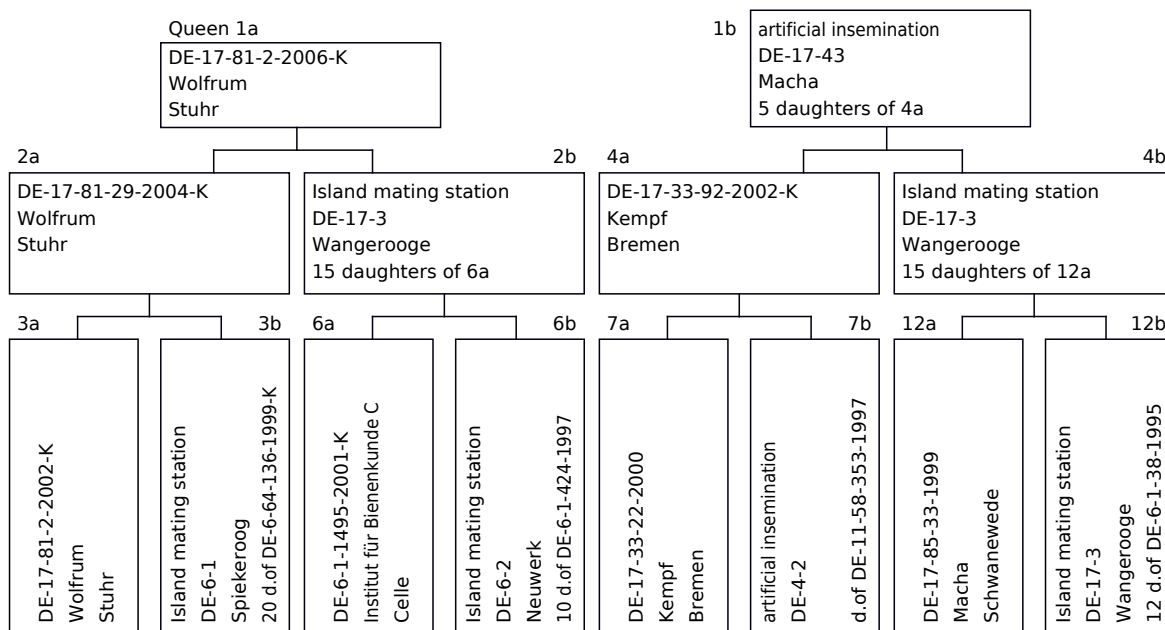
Tester of the queen: Wolfrum, Heiner, Stuhr, DE-17-81, Apiary 1  
Breeder of the queen: Wolfrum, Heiner, Stuhr, DE-17-81  
**1a** Studbook number: **DE-17-81-2-2006-K**

Race line: -20  
Generation: 6

Sign: white 33  
Hatch date: 28.5.2006

Daughters of  
Queen: 1.1%  
Workers: 1.2%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 14			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	63	142.8	2	10	44.1
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	113			
Honey yield	-	117			0.42
Defensive behavior	3.90	107			0.61
Steadiness on comb	3.90	106			0.64
Swarming drive	3.50	104			0.42
Varroa	-	112			0.52
Performance index	-	0			
Robustness in winter	3.80		70%	100%	170%
Development in Spring	3.80				
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-17-81-2-2006-K

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### Performance of the sisters

Amount of checked sisters: 8

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-17-81-1-2006	DE-17-81	1	104	66.1	119	3.9	99	3.9	100	3	100	93	
DE-17-81-2-2006-K	DE-17-81	1	113	63	117	3.9	107	3.9	106	3.5	104	112	
DE-17-81-3-2006	DE-17-81	1	91	42.8	102	3.8	99	3.9	102	3.5	103	81	
DE-17-81-6-2006	DE-17-81	1	84	41	101	3.8	99	3.9	103	3.5	106	65	
DE-17-81-7-2006	DE-17-81	1	107	50.2	108	3.9	106	3.9	105	1	90	111	
DE-17-81-8-2006	DE-17-81	1	91	21	88	3.8	98	3.9	99	4	104	86	
DE-17-81-4-2006	DE-17-81	2	99	52.5	109	4	105	3.9	106	4	106	89	
DE-17-81-9-2006	DE-17-81	2	91	35.3	93	3.9	99	3.9	100	4	99	86	