

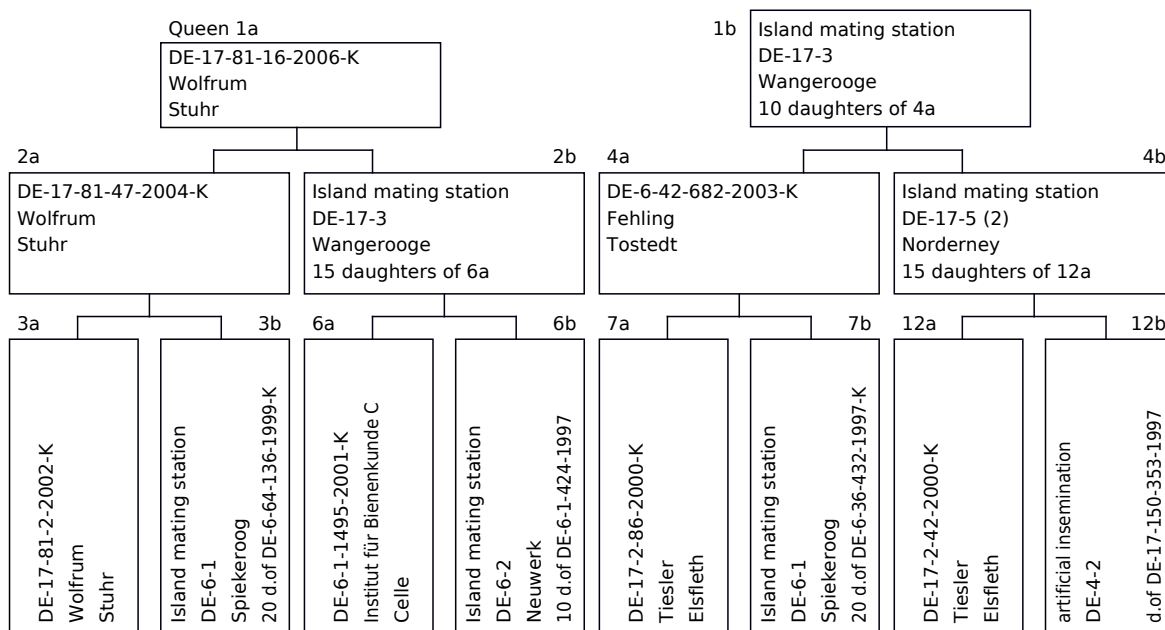
Tester of the queen: Wolfrum, Heiner, Stuhr, DE-17-81, Apiary 2
Breeder of the queen: Wolfrum, Heiner, Stuhr, DE-17-81
1a Studbook number: **DE-17-81-16-2006-K**

Race line: -20
Generation: 6

Sign: white 68
Hatch date: 2.6.2006

Daughters of
Queen: 1.1%
Workers: 0.3%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 16			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	57.7	119	1	3	48.5
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	115			
Honey yield	-	111			0.42
Defensive behavior	3.90	98			0.52
Steadiness on comb	3.90	97			0.56
Swarming drive	4	107			0.43
Varroa	-	123			0.48
Performance index	-	0			
Robustness in winter	3.80		70%	100%	170%
Development in Spring	3.50				
Colony strength	3.80				

¹In 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-17-81-16-2006-K

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Performance of the sisters

Amount of checked sisters: 5

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-17-81-18-2006	DE-6-172	2	104		103		103		103		101	101	
DE-17-81-20-2006	DE-6-172	3	96		86		93		92		101	103	
DE-17-81-21-2006	DE-17-27	1	84		90		84		85		106	82	
DE-17-81-19-2006	DE-17-81	1	120	56.6	112	3.9	105	3.9	103	4	116	124	
DE-17-81-16-2006-K	DE-17-81	2	115	57.7	111	3.9	98	3.9	97	4	107	123	