

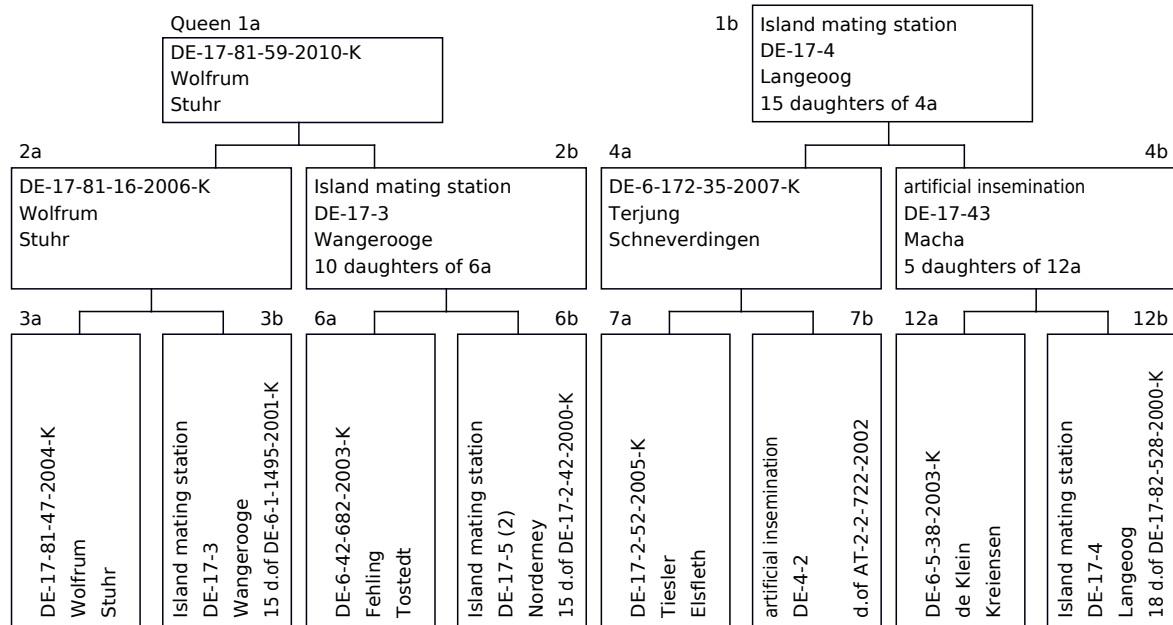
Tester of the queen: Wolfrum, Heiner, Stuhr, DE-17-81, Apiary 2
Breeder of the queen: Wolfrum, Heiner, Stuhr, DE-17-81
1a Studbook number: **DE-17-81-59-2010-K**

Race line: -20
Generation: 7

Sign: blue 55
Hatch date: 8.6.2010

Daughters of
Queen: 0.3%
Workers: 0.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 33			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	66.5	148.3	1	8	44.8
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	122			
Honey yield	-	119			0.39
Defensive behavior	4	108			0.59
Steadiness on comb	4	107			0.62
Swarming drive	4	119			0.4
Varroa	-	123			0.5
Performance index	-	0			
Robustness in winter	3		70%	100%	170%
Development in Spring	3				
Colony strength	3.50				

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-17-81-59-2010-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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-17-81-59-2010-K	DE-17-81	2	122	66.5	119	4	108	4	107	4	119	123	
DE-17-81-62-2010	DE-17-81	2	105	18.2	88	4	103	3.9	inspection 101	3	96	115	
DE-17-105-4-2010	DE-17-105	1	107		104		90		88		101	120*	
DE-17-105-6-2010	DE-17-105	1	99		91		88		86		99	(111)	
DE-17-105-7-2010	DE-17-105	1	101		99		88		86		101	(112)	
DE-17-105-8-2010	DE-17-105	1	113		101		101		99		105	122*	
DE-17-81-69-2010	DE-17-181	1	105		100		99		99		106	107	
DE-17-81-70-2010	DE-17-181	1	97		87		85		83		94	114	

Only one Varroa trait was recorded