

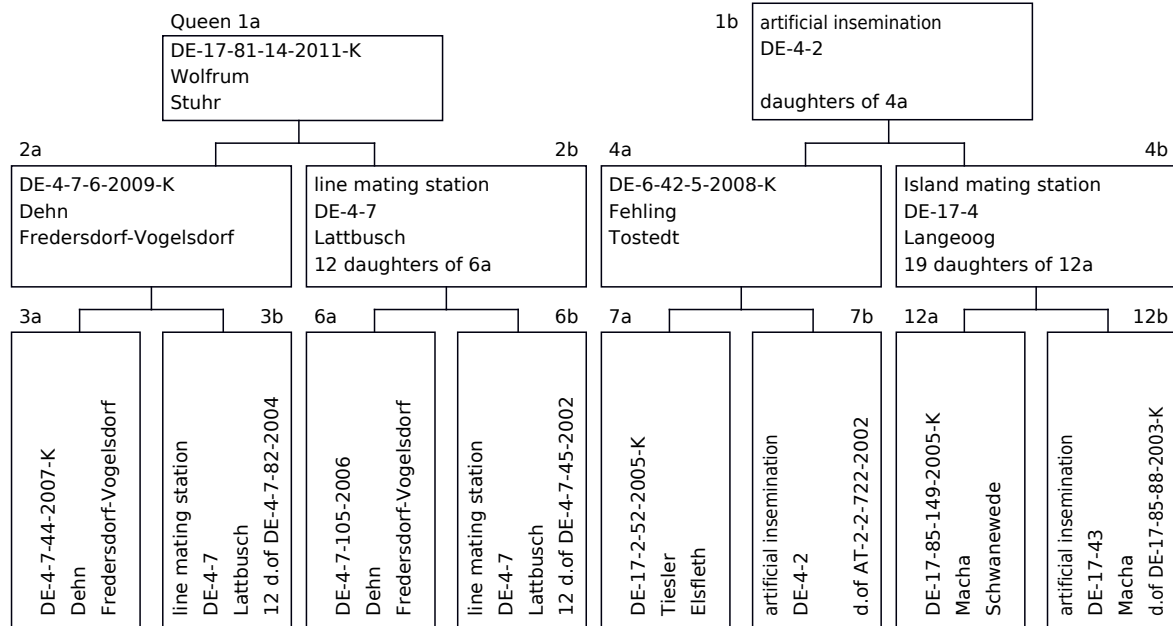
Tester of the queen: Wolfrum, Heiner, Stuhr, DE-17-81, Apiary 1
Breeder of the queen: Wolfrum, Heiner, Stuhr, DE-17-81
1a Studbook number: **DE-17-81-14-2011-K**

Race line: -25
Generation: 1

Sign: white 12
Hatch date: 24.5.2011

Daughters of
Queen: 14.1%
Workers: 0.6%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 19			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	86.5	159.5	2	9	54.2	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	122	[Bar chart]			
Honey yield	-	126	[Bar chart]			0.42
Defensive behavior	4	109	[Bar chart]			0.59
Steadiness on comb	4	107	[Bar chart]			0.62
Swarming drive	4	111	[Bar chart]			0.42
Varroa	-	123	[Bar chart]			0.5
Performance index	-	0				
Robustness in winter	4	70% 100% 170%				
Development in Spring	4					
Colony strength	4					

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-17-81-14-2011-K

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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-17-81-12-2011	DE-17-81	1	105	71	117	4	Behavior	4	109	4	drive	92	
DE-17-81-13-2011	DE-17-81	1	109	87.5	126	4	108	4	inspection 110	4	118	94	
DE-17-81-14-2011-K	DE-17-81	1	122	86.5	126	4	109	4	107	4	111	123	
DE-17-81-16-2011	DE-17-81	1	79	20	82	3.5	76	3.5	75	4	90	(90)	
DE-17-81-18-2011	DE-17-81	1	111	63.3	113	4	107	4	107	4	110	107	
DE-17-81-20-2011	DE-17-81	1	109	49.5	105	4	106	4	105	4	108	109	
DE-17-81-27-2011	DE-17-105	1	113		114		113		113		115	(105)	
DE-17-81-28-2011	DE-17-105	1	106		113		101		101		109	(101)	
DE-17-81-29-2011	DE-17-105	1	96		95		94		94		102	(97)	