

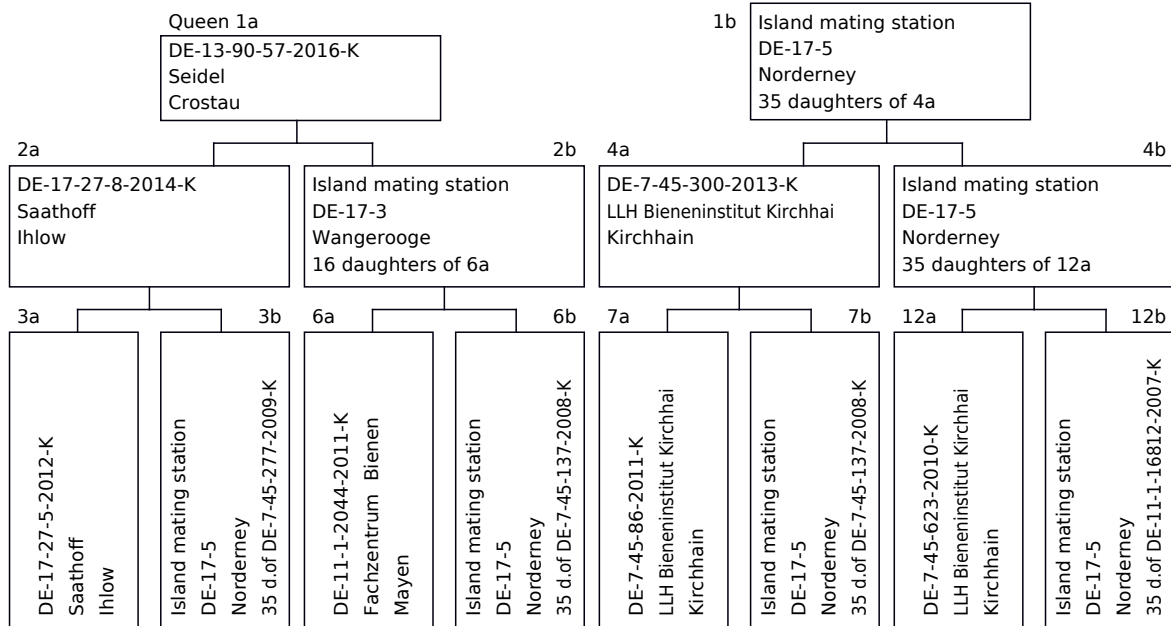
Tester of the queen: Seidel, Gerd, 02681 Crostau, DE-13-90, Apiary 1
Breeder of the queen: Seidel, Gerd, 02681 Crostau, DE-13-90
1a Studbook number: **DE-13-90-57-2016-K**

Race line:
Generation: 1

Sign: white 57
Hatch date: 17.06.2016

Daughters of
Queen: 3.0%
Workers: 4.7%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 18			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	44	132.6	3	20	33.2
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	120			
Honey yield	-	115			0.44
Defensive behavior	3.00	112			0.64
Steadiness on comb	3.00	112			0.64
Swarming drive	3.50	117			0.4
Varroa	-	115*			0.34
Performance index	-	0			
Robustness in winter	3.50		70%	100%	170%
Development in Spring	3.50				
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%.

Only one Varroa trait was recorded

C. Performance of the sisters

See page 2

D. Body features, see appendix

See attached characteristic documents:

E. Results

Class A

Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

Breeding selection report DE-13-90-57-2016-K

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Performance of the sisters

Amount of checked sisters: 12

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-13-90-57-2016-K	DE-13-90	1	120	44	115	3.0	112	3.0	112	3.5	117	115*	
DE-13-90-58-2016-K	DE-13-90	1	123	37.7	110	3.5	121	3.0	inspection 119	4	127	111*	
DE-17-159-18-2016	DE-17-159	1	103		93		101		100		110	104	
DE-17-159-19-2016	DE-17-159	1	110		99		100		100		111	116	
DE-17-159-20-2016	DE-17-159	1	107		103		99		99		108	110	
DE-17-159-21-2016-K	DE-17-159	1	123		119		101		104		114	129	
DE-17-159-22-2016	DE-17-159	1	105		99		104		106		112	99	
DE-17-159-23-2016	DE-17-159	1	119		99		110		110		113	125	
DE-17-159-25-2016	DE-17-159	1	110		102		110		110		113	104	
DE-17-159-53-2016	DE-17-213	2	107		97		106		107		111	105	
DE-17-213-65-2016	DE-17-213	2	117		102		109		109		112	119	
DE-17-213-86-2016	DE-17-213	2	115		110		104		105		112	116	

Only one Varroa trait was recorded