

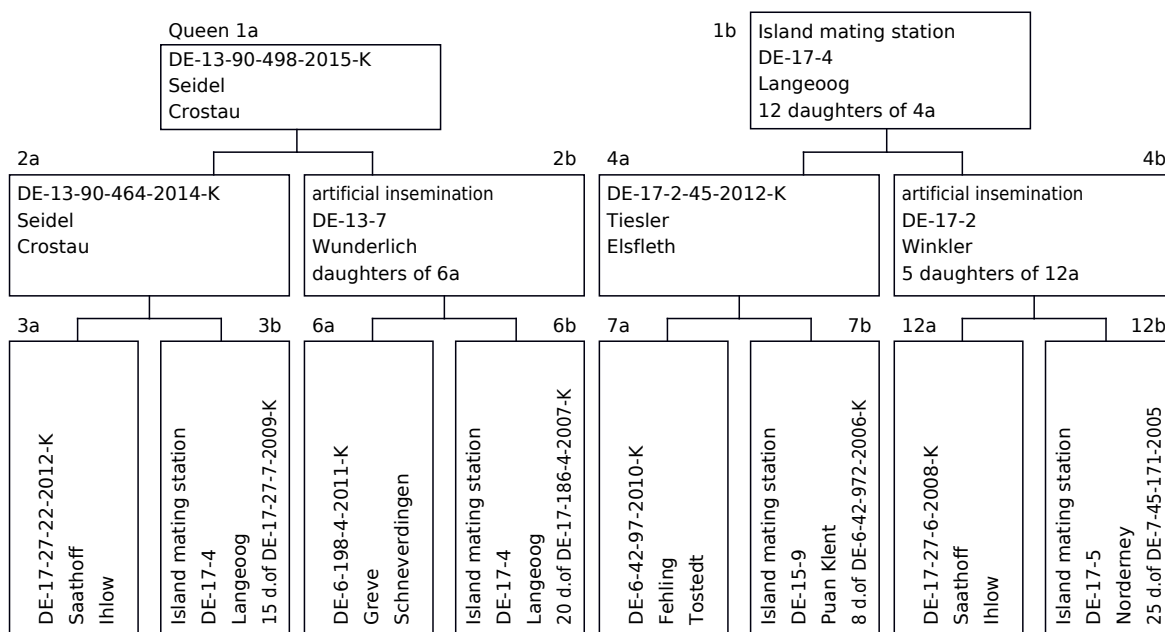
Tester of the queen: Seidel, Gerd, 02681 Crostau, DE-13-90, Apiary 1
Breeder of the queen: Seidel, Gerd, 02681 Crostau, DE-13-90
1a Studbook number: **DE-13-90-498-2015-K**

Race line:
Generation: 1

Sign: blue 60
Hatch date: 04.06.2015

Daughters of
Queen: 2.3%
Workers: 4.4%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	68.8	114	11	29	60.4
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	122			
Honey yield	-	116			0.44
Defensive behavior	4.00	129			0.65
Steadiness on comb	4.00	130			0.67
Swarming drive	4.00	129			0.44
Varroa	-	104*			0.54
Performance index	-	0			
Robustness in winter	4.00		70%	100%	170%
Development in Spring	4.00				
Colony strength	4.00				

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-13-90-498-2015-K

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Performance of the sisters

Amount of checked sisters: 7

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-13-90-497-2015	DE-13-90	1	107	39.5	97	3.8	96	3.5	97	3	102	105*	
DE-13-90-498-2015-K	DE-13-90	1	122	68.8	116	4.0	129	4.0	130	4.0	129	104*	
DE-13-90-499-2015	DE-13-90	1	99	63.6	105	3	96	3	97	3.5	102	(98)	
DE-13-90-500-2015	DE-13-90	1	106	72.2	110	3.5	103	3	104	3.5	106	102*	
DE-13-90-501-2015-K	DE-13-90	1	100	30.9	90	3.5	101	3	101	3.5	100	102*	
DE-13-90-502-2015-D	DE-13-90	1	104	63.6	106	3.5	103	3	103	3.5	105	102*	
DE-13-90-503-2015-K	DE-13-90	1	125	92.8	127	4	130	4	131	4	133	104*	

Only one Varroa trait was recorded