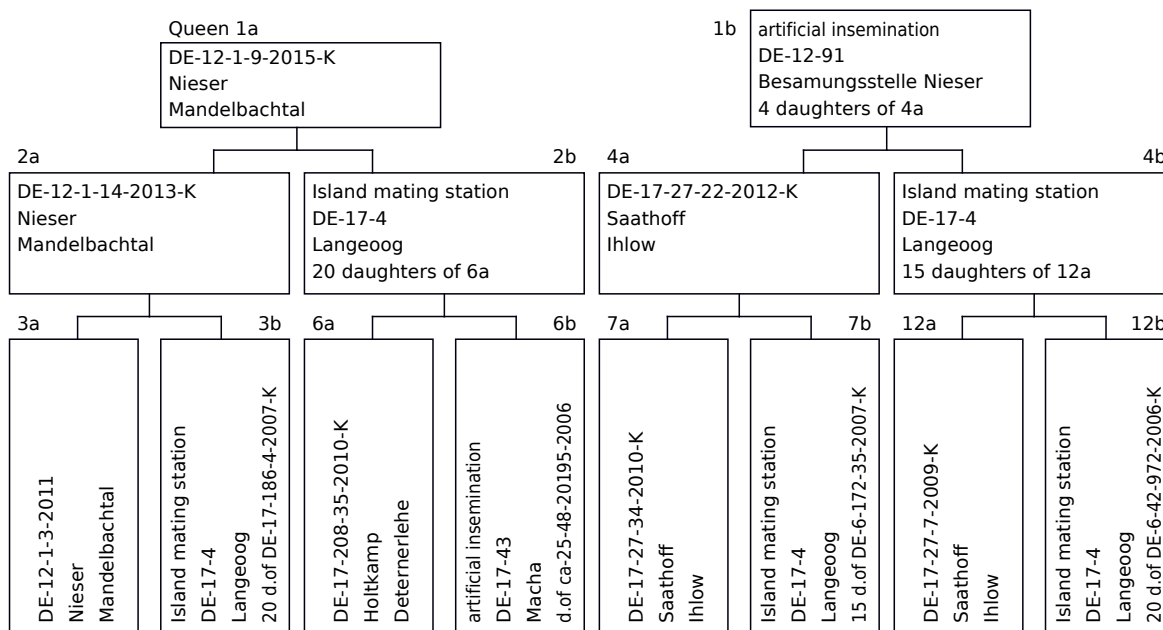


Tester of the queen: Nieser, Frank, 66399 Mandelbachtal, DE-12-1, Apiary 1
 Breeder of the queen: Nieser, Frank, 66399 Mandelbachtal, DE-12-1
1a Studbook number: **DE-12-1-9-2015-K**

Race line: -30 Sign: blue 41 Daughters of Queen: 1.0%
 Generation: 5 Hatch date: 30.05.2015 Workers: 3.0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 19			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	47	169.7	1	20	27.7
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	129			
Honey yield	-	124			0.43
Defensive behavior	3.70	124			0.64
Steadiness on comb	3.90	124			0.66
Swarming drive	4.00	126			0.43
Varroa	-	120			0.54
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength					

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-12-1-9-2015-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-12-1-6-2015	DE-6-42	1	93		88		Behavior		drag		dgge	96	
DE-12-1-8-2015	DE-6-42	1	96		96		96		inspection		110	93	
DE-12-1-5-2015	DE-6-42	4	105		114		106		108		123	91	
DE-12-1-11-2015	DE-9-2	1	106		97		106		105		115	103	
DE-12-1-10-2015	DE-9-2	3	97		99		89		89		108	100	
DE-12-1-1-2015	DE-12-1	1	113	27	104	3.5	109	3.5	108	4.0	115	111	
DE-12-1-2-2015	DE-12-1	1	111	27	103	3.5	106	3.3	105	4	114	111	
DE-12-1-3-2015	DE-12-1	1	105	28	103	3.3	101	3.2	100	4.0	112	104	
DE-12-1-4-2015-K	DE-12-1	1	128	40	118	3.8	122	3.7	121	4.0	123	123	
DE-12-1-9-2015-K	DE-12-1	1	129	47	124	3.7	124	3.9	124	4.0	126	120	
DE-12-1-12-2015	DE-12-1	1	110	30	106	3.6	110	3.4	110	4	119	103	
DE-12-1-13-2015	DE-12-1	1	126	39	117	3.7	121	3.8	120	4.0	122	120	