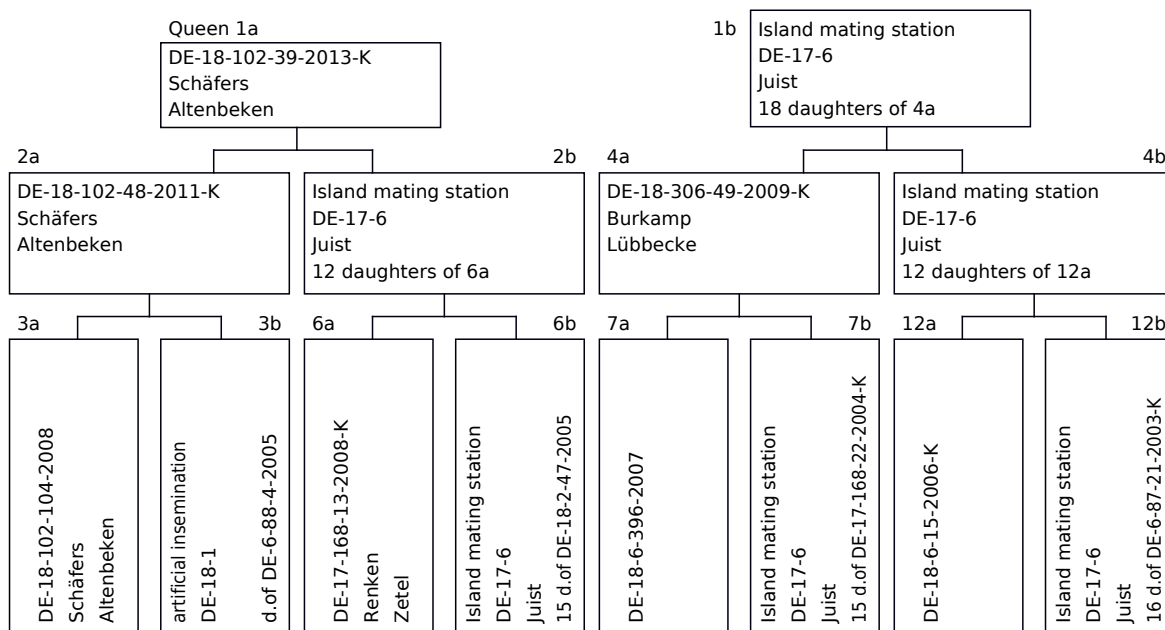


Tester of the queen: Schäfers, Heinrich, 33184 Altenbeken, DE-18-102, Apiary 1
 Breeder of the queen: Schäfers, Heinrich, 33184 Altenbeken, DE-18-102
1a Studbook number: **DE-18-102-39-2013-K**

Race line: -10 Sign: red 65 Daughters of Queen: 2.2%
 Generation: 15 Hatch date: 20.06.2013 Workers: 2.4%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 18-102			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	38.3	128.3	5	18	29.8
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	117			
Honey yield	-	116			0.43
Defensive behavior	4	117			0.64
Steadiness on comb	4	116			0.66
Swarming drive	4	115			0.43
Varroa	-	108			0.53
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring					
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-18-102-39-2013-K

Page 2

Performance of the sisters

Amount of checked sisters: 11

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-18-102-16-2013	DE-15-53	5	95		93		Behavior		ding		drive	94	
DE-18-102-36-2013-K	DE-15-53	5	113		118		114		inspection 114		112	103	
DE-18-102-40-2013	DE-15-53	5	112		115		114		113		111	104	
DE-18-102-41-2013	DE-15-53	5	109		114		110		110		109	101	
DE-18-102-18-2013	DE-18-102	1	117	35.7	113	4	117	4	116	3.8	108	112	
DE-18-102-26-2013-K	DE-18-102	1	114	26.1	105	4	116	4	114	3.7	104	112	
DE-18-102-30-2013-K	DE-18-102	1	115	30.2	108	4	116	4	115	3.3	98	116	
DE-18-102-33-2013-K	DE-18-102	1	112	27.2	105	4	111	3.8	109	4	109	110	
DE-18-102-39-2013-K	DE-18-102	1	117	38.3	116	4	117	4	116	4	115	108	
DE-18-102-44-2013	DE-18-102	1	104	23	101	3.8	105	3.8	104	4	106	103	
DE-18-102-14-2013	DE-18-502	1	102		107		117		119		114	82	