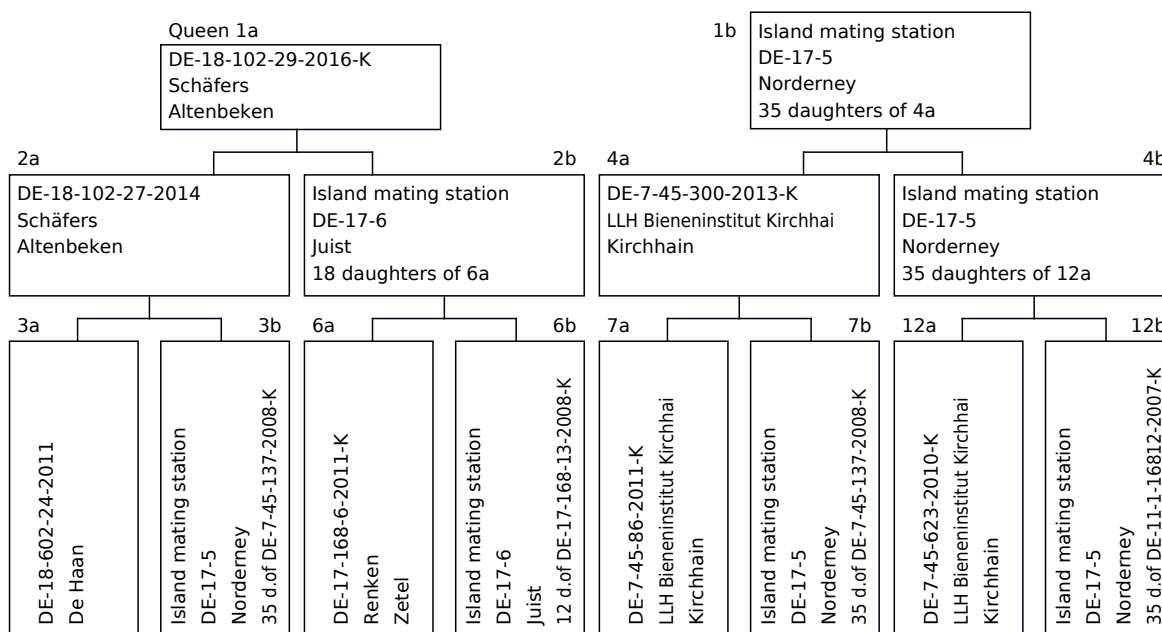


Tester of the queen: Günthner, Theo, 94533 Buchhofen, DE-2-114, Apiary 23  
 Breeder of the queen: Schäfers, Heinrich, 33184 Altenbeken, DE-18-102  
**1a** Studbook number: **DE-18-102-29-2016-K**

Race line: Sign: white 74 Daughters of Queen: 1.7%  
 Generation: Hatch date: 13.06.2016 Workers: 2.2%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony WS			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	80.5	98.9	3	5	81.4	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	111	■			
Honey yield	-	104	■			0.38
Defensive behavior	3.80	111	■			0.56
Steadiness on comb	3.90	113	■			0.56
Swarming drive	4	110	■			0.35
Varroa	-	104*	■			0.14
Performance index	-	0				
Robustness in winter	4	70% 100% 170%				
Development in Spring						
Colony strength						

<sup>1</sup>In 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-18-102-29-2016-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 8

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-2-114-29-2016-K	DE-2-114	23	109	82.5	104	3.8	104	3.7	107	4	107	104*	
DE-18-102-29-2016-K	DE-2-114	23	111	80.5	104	3.8	111	3.9	113	4	110	104*	
DE-18-202-24-2016	DE-18-102	1	112		99		110		110		113	108	
DE-18-202-26-2016	DE-18-102	1	99		91		101		104		111	95	
DE-18-202-17-2016	DE-18-402	1	107		115		97		100		109	(105)	
DE-18-202-18-2016	DE-18-402	1	110		102		109		110		112	(105)	
DE-18-202-14-2016	DE-18-603	1	100		94		104		104		88	(105)	
DE-18-202-15-2016	DE-18-603	1	111		95		110		110		121	(105)	

Only one Varroa trait was recorded