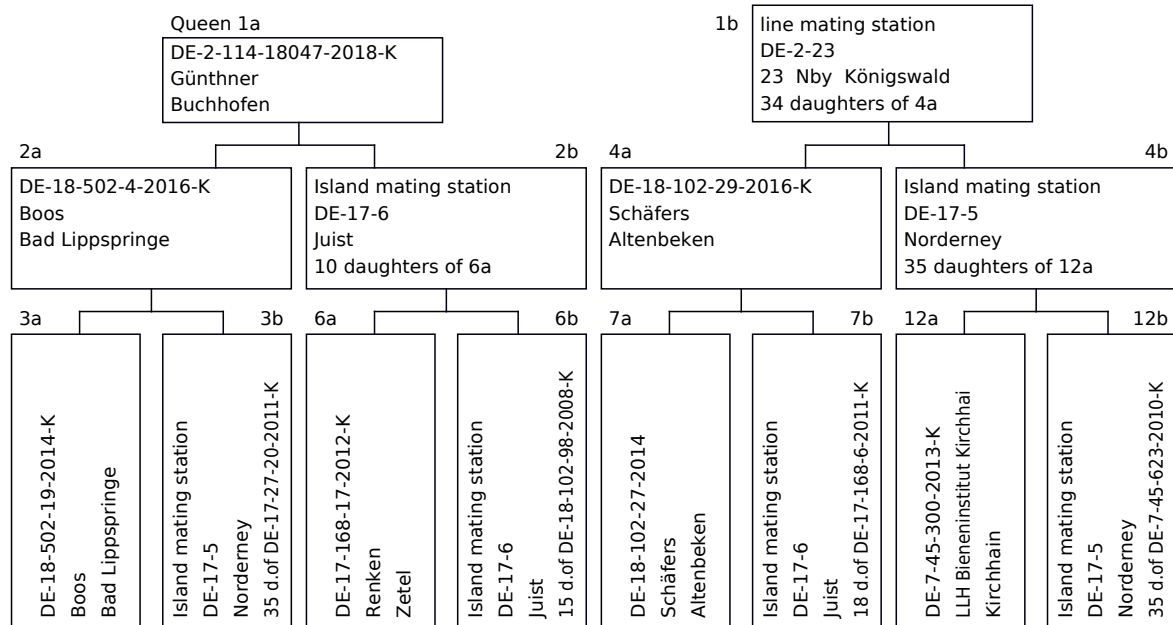









Tester of the queen: Günthner, Theo, 94533 Buchhofen, DE-2-114, Apiary 2  
 Breeder of the queen: Günthner, Theo, 94533 Buchhofen, DE-2-114  
**1a** Studbook number: **DE-2-114-18047-2018-K**

Race line: -SkI-73 -70 Sign: red Daughters of Queen: 4.2%  
 Generation: 1 Hatch date: Workers: 2.3%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	33	102.6	3	6	32.2	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	104				
Honey yield	-	102				0.48
Defensive behavior	3.80	113				0.61
Steadiness on comb	3.80	110				0.59
Swarming drive	4	110				0.54
Varroa	-	(94)				0.32
Performance index	-	110				0.48
Robustness in winter			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%.

### 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-2-114-18047-2018-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 9

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 ndex
DE-2-114-18041-2018-K	DE-2-114	2	99	35	100	3	100	3	100	4	100	(94)	102
DE-2-114-18043-2018-K	DE-2-114	2	99	31	96	3.4	104	3	101	3.5	105	(94)	102
DE-2-114-18047-2018-K	DE-2-114	2	104	33	102	3.8	113	3.8	110	4	110	(94)	110
DE-2-114-18050-2018	DE-2-114	2	99	29	96	3	102	3	100	4	107	(94)	101
DE-2-114-18055-2018-K	DE-2-114	2	103	38	96	3.8	111	3.8	108	4	110	(94)	107
DE-2-114-18056-2018	DE-2-114	2	98	27	93	3.5	105	3	101	3	101	(94)	100
DE-2-260-813-2018	DE-2-260	2	101		97		106		104		107	(94)	104
DE-2-260-814-2018-K	DE-2-260	2	101		100		107		104		107	(94)	105
DE-2-260-818-2018	DE-2-260	2	100		100		105		102		107	(94)	104