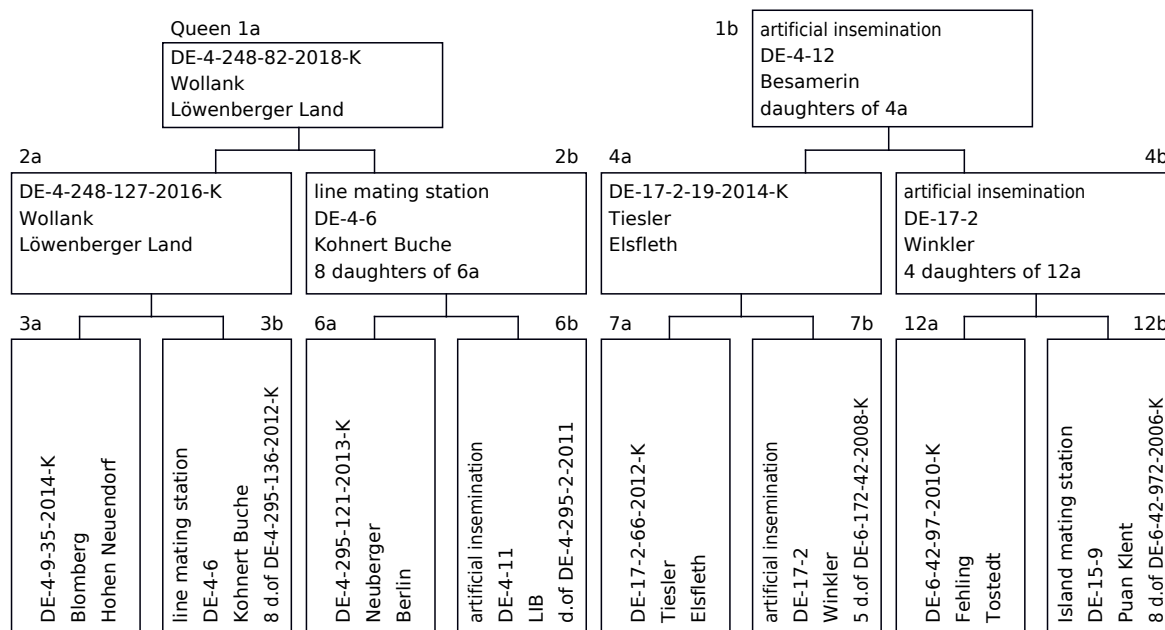


Tester of the queen: Blomberg, Gesine, 16540 Hohen Neuendorf, DE-4-9, Apiary 1  
 Breeder of the queen: Wollank, Wilfried, 16775 Löwenberger Land, DE-4-248  
**1a** Studbook number: **DE-4-248-82-2018-K**

Race line: -C Sign: red 63 Daughters of Queen: 20.1%  
 Generation: Hatch date: 10.06.2018 Workers: 0.8%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	32.8	108.7	1	5	30.2
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	106	■		
Honey yield	-	103	■		0.39
Defensive behavior	4	110	■		0.49
Steadiness on comb	4	105	■		0.49
Swarming drive	4	102	■		0.35
Varroa	-	(100)	■		0.07
Performance index	-	96	■		0.48
Robustness in winter	4	70% 100% 170%			
Development in Spring	4				
Colony strength	4				

<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-4-248-82-2018-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-4-248-80-2018	DE-4-9	1	101	29.7	100	3	Behavior	3.5	during	4	drive	(100)	95
DE-4-248-81-2018-K	DE-4-9	1	105	31.4	102	4	110	4	inspection	4	102	(100)	101
DE-4-248-82-2018-K	DE-4-9	1	106	32.8	103	4	110	4	105	4	102	(100)	96
DE-4-248-83-2018-K	DE-4-9	1	105	30.4	101	4	110	4	106	4	102	(100)	101
DE-4-248-84-2018	DE-4-9	1	100	26.6	96	3.5	102	3	95	4	99	(100)	93
DE-4-248-85-2018	DE-4-248	1	97		96		95		91		96	(100)	90
DE-4-248-86-2018-K	DE-4-248	1	109		106		117		112		105	(100)	107
DE-4-248-87-2018-K	DE-4-248	1	108		104		116		110		104	(100)	105
DE-4-248-88-2018	DE-4-248	1	99		97		97		93		97	(100)	91
DE-4-248-89-2018	DE-4-248	1	102		99		104		98		99	(100)	96
DE-4-248-90-2018	DE-4-248	1	106		101		112		107		102	(100)	102