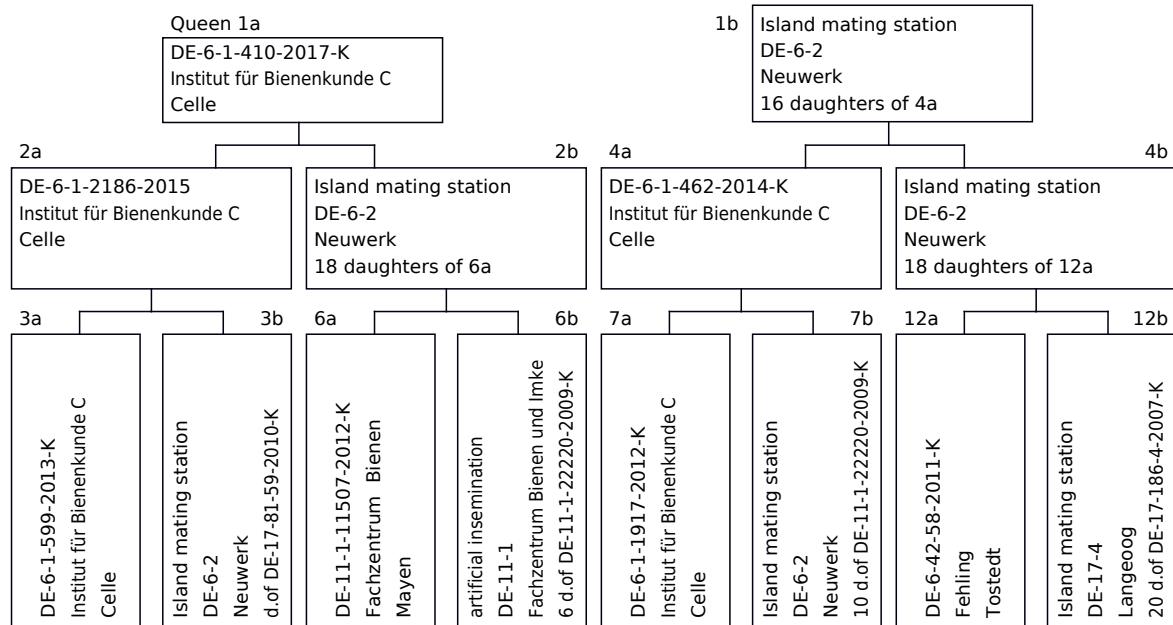


Tester of the queen: Steen, Horst, 23715 Hutzfeld, DE-15-97, Apiary 8  
 Breeder of the queen: Institut für Bienenkunde Celle, 29221 Celle, DE-6-1  
**1a** Studbook number: **DE-6-1-410-2017-K**

Race line: -1 Sign: yellow Daughters of Queen: 1.3%  
 Generation: 43 Hatch date: Workers: 2.9%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony Steen			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	68	100	1	1	68	
	Assessment*	Breeding values				Reliability
<b>Total breeding value<sup>1</sup></b>	-	103				
Honey yield	-	105				0.12
Defensive behavior	4	99				0.14
Steadiness on comb	4	101				0.14
Swarming drive	4	102				0.11
Varroa	-	102				0.09
Performance index	-	0				
Robustness in winter	3.80		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 P

Use only for test breeding. The offspring of these colonies should not circulate among other bees.

# Breeding selection report DE-6-1-410-2017-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 1

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-6-1-410-2017	DE-15-97	8	103	68	105	4	99	4	101	4	102	102	

inspection