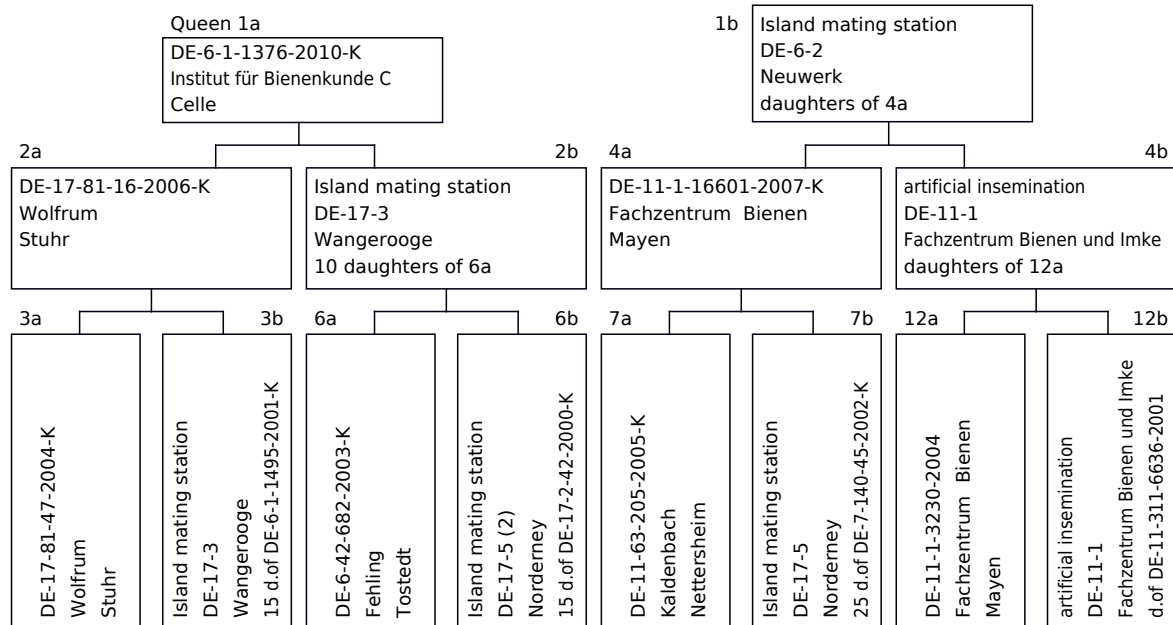


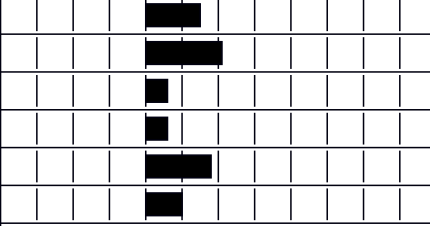
Tester of the queen: Institut für Bienenkunde Celle, 29221 Celle, DE-6-1, Apiary 1  
 Breeder of the queen: Institut für Bienenkunde Celle, 29221 Celle, DE-6-1  
**1a** Studbook number: **DE-6-1-1376-2010-K**

Race line: -20 Sign: blue Daughters of Queen: 0.3%  
 Generation: Hatch date: Workers: 1.2%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	52.8	118.2	1	35	44.7	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	115				
Honey yield	-	121				0.39
Defensive behavior	4	106				0.58
Steadiness on comb	4	106				0.61
Swarming drive	4	118				0.37
Varroa	-	(110)				0.24
Performance index	-	0				
Robustness in winter	4					
Development in Spring	3					
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-6-1-1376-2010-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 13

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 index
DE-6-1-481-2010	DE-6-1	1	105	44.9	107	4	Behavior	3.5	95	4	drive	(107)	
DE-6-1-503-2010	DE-6-1	1	104	45	106	4	96	3.5	95	3.5	103	(107)	
DE-6-1-504-2010	DE-6-1	1	104	45	106	4	96	3.5	95	3.5	103	(107)	
DE-6-1-506-2010-K	DE-6-1	1	114	51	119	4	106	4	105	4	117	(109)	
DE-6-1-507-2010-K	DE-6-1	1	105	47.3	110	4	96	3.5	95	3.5	104	(108)	
DE-6-1-508-2010	DE-6-1	1	106	49.9	114	4	96	3.5	96	3.5	105	(109)	
DE-6-1-513-2010	DE-6-1	1	105	47.5	110	4	96	3.5	95	3.5	104	(108)	
DE-6-1-1375-2010-K	DE-6-1	1	105	47.8	111	4	96	3.5	95	3.5	104	(108)	
DE-6-1-1376-2010-K	DE-6-1	1	115	52.8	121	4	106	4	106	4	118	(110)	
DE-6-1-1377-2010	DE-6-1	1	106	48.5	112	4	96	3.5	95	3.5	104	(108)	
DE-6-1-1378-2010-K	DE-6-1	1	110	45.1	110	4	105	4	104	4	115	(108)	
DE-6-1-1379-2010	DE-6-1	1	105	50	113	4	91	3	90	4	111	(108)	
DE-6-1-1382-2010-K	DE-6-1	1	109	41.7	105	4	104	4	103	4	113	(107)	