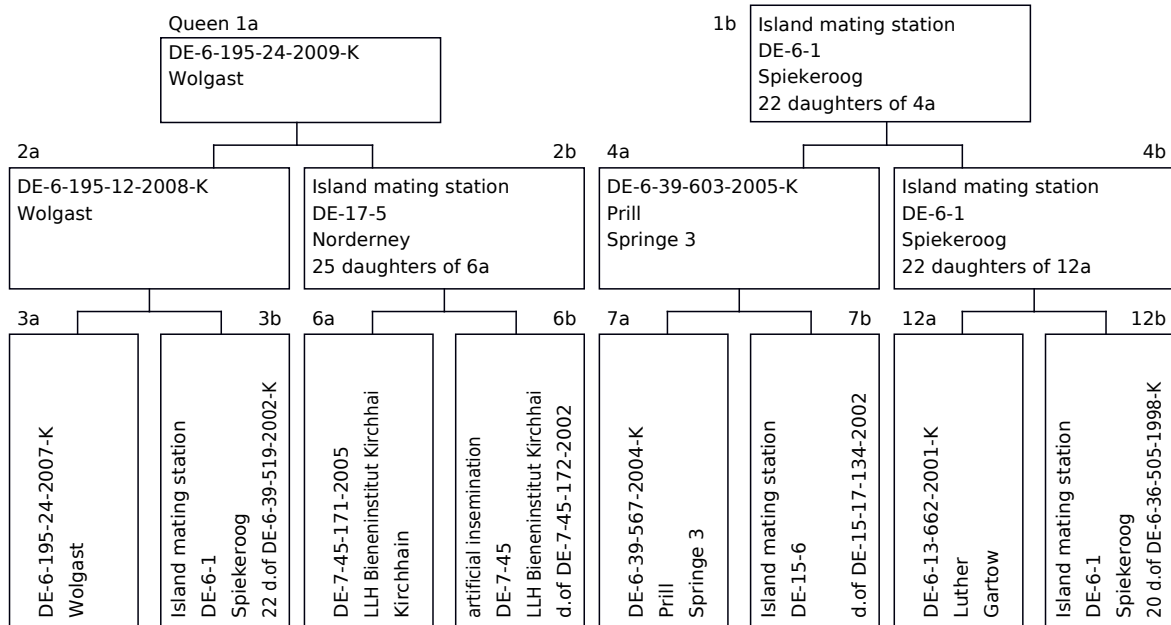


Tester of the queen: Fehling, Horst-Dieter, 21255 Tostedt, DE-6-42, Apiary 1
 Breeder of the queen: Wolgast, Christina, DE-6-195
1a Studbook number: **DE-6-195-24-2009-K**

Race line: -21 Sign: green 14 Daughters of Queen: 0.3%
 Generation: 0 Hatch date: 17.7.2009 Workers: 4.2%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 929			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	68.3	110.4	5	9	61.9
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	121			
Honey yield	-	111			0.44
Defensive behavior	3.90	117			0.62
Steadiness on comb	3.90	118			0.65
Swarming drive	4	117			0.44
Varroa	-	116			0.53
Performance index	-	0			
Robustness in winter	4		70%	100%	170%
Development in Spring	4				
Colony strength	4				

¹In 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 Av

Selected for Varroa tolerance. Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations.

Breeding selection report DE-6-195-24-2009-K

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Performance of the sisters

Amount of checked sisters: 7

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-6-195-14-2009	DE-6-42	1	117	50.7	99	3.9	117	3.9	118	4	117	116	
DE-6-195-24-2009-K	DE-6-42	1	121	68.3	111	3.9	117	3.9	118	4	117	116	
DE-6-195-26-2009	DE-6-42	1	127	81.2	120	3.9	120	3.9	119	4	117	124	
DE-6-195-18-2009	DE-6-42	2	108	30.7	91	3.5	103	3.5	101	2	91	122	
DE-6-195-13-2009	DE-6-42	3	103	58.7	99	3.9	121	3.9	124	4	127	80	
DE-6-195-20-2009	DE-6-42	3	105	64.7	95	3	86	3	84	2	83	130	
DE-6-195-15-2009	DE-6-42	4	82	53.6	90	3	87	3	89	3	94	81	