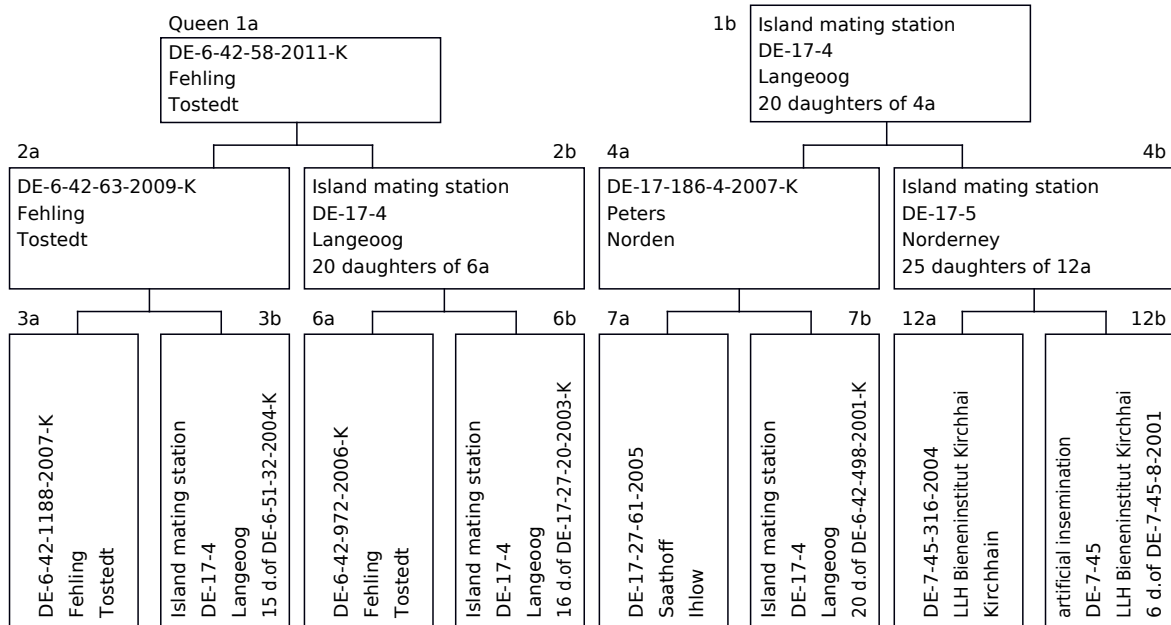


Tester of the queen: Fehling, Horst-Dieter, 21255 Tostedt, DE-6-42, Apiary 4
 Breeder of the queen: Fehling, Horst-Dieter, 21255 Tostedt, DE-6-42
1a Studbook number: **DE-6-42-58-2011-K**

Race line: -30 Sign: white 51 Daughters of Queen: 8.6%
 Generation: 18 Hatch date: 8.6.2011 Workers: 2.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 51			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	31.6	130.5	6	15	24.2	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	114				
Honey yield	-	111				0.46
Defensive behavior	3.80	112				0.65
Steadiness on comb	3.80	111				0.67
Swarming drive	4	111				0.46
Varroa	-	111				0.55
Performance index	-	0				
Robustness in winter	3	70% 100% 170%				
Development in Spring	3					
Colony strength	3					

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-6-42-58-2011-K

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Performance of the sisters

Amount of checked sisters: 10

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-6-42-34-2011	DE-6-42	4	89	27.3	103	3.3	Behavior	3.3	91	4	107	80	
DE-6-42-35-2011	DE-6-42	4	91	38.1	110	3.3	93	3.3	Inspection	4	109	79	
DE-6-42-46-2011	DE-6-42	4	109	30.5	107	3.5	99	3.5	97	4	103	116	
DE-6-42-58-2011-K	DE-6-42	4	114	31.6	111	3.8	112	3.8	111	4	111	111	
DE-6-42-60-2011	DE-6-42	4	95	15.1	96	3.3	92	3.3	91	4	100	98	
DE-6-42-36-2011	DE-6-42	5	101	6.2	102	3.5	115	3.5	117	4	117	83	
DE-6-42-41-2011	DE-6-42	5	106	16.3	105	3	93	3	92	4	99	116	
DE-6-42-49-2011	DE-6-42	5	91	4.8	97	3	96	3.2	97	4	105	84	
DE-6-42-87-2011	DE-6-195	1	121		130		121		123		119	105	
DE-6-42-84-2011	DE-6-195	2	111		97		109		108		110	112	