

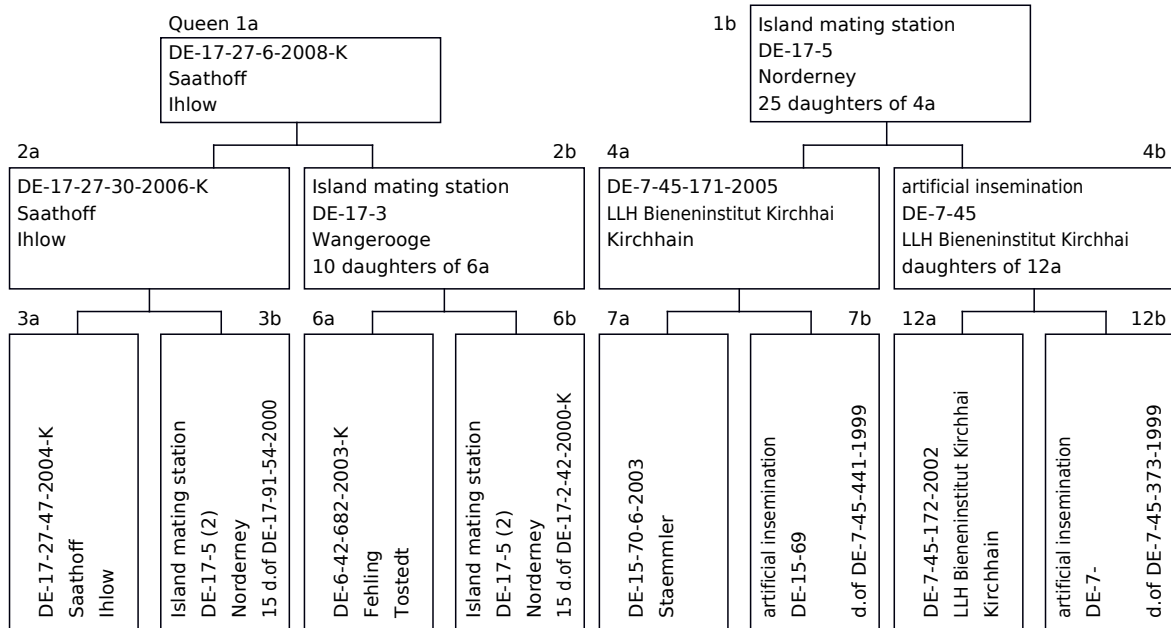
Tester of the queen: Saathoff, Johann, Ihlow, DE-17-27, Apiary 1  
Breeder of the queen: Saathoff, Johann, Ihlow, DE-17-27  
**1a** Studbook number: **DE-17-27-6-2008-K**

Race line: -23  
Generation: 4

Sign: red  
Hatch date: 5.6.2008

Daughters of  
Queen: 1.9%  
Workers: 0.3%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	54.4	112.7	6	28	48.3
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	132			
Honey yield	-	121			0.48
Defensive behavior	4	123			0.67
Steadiness on comb	4	122			0.69
Swarming drive	4	124			0.48
Varroa	-	128			0.57
Performance index	-	0			
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 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-17-27-6-2008-K

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### Performance of the sisters

Amount of checked sisters: 17

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-17-27-3-2008	DE-17-27	1	108	42.6	101	3.8	101	3.6	100	4	107	107	
DE-17-27-4-2008	DE-17-27	1	102	44	101	3.6	99	3.6	99	4	111	100	
DE-17-27-5-2008	DE-17-27	1	122	51.4	115	4	124	4	125	4	125	109	
DE-17-27-6-2008-K	DE-17-27	1	132	54.4	121	4	123	4	122	4	124	128	
DE-17-27-7-2008	DE-17-27	1	116	52.2	114	4	118	3.8	119	4	124	103	
DE-17-27-26-2008	DE-17-27	1	102	42.8	100	3.6	99	3.6	99	4	111	100	
DE-17-27-27-2008	DE-17-27	1	92	34.6	89	3.4	93	3.6	94	3	85	99	
DE-17-27-28-2008	DE-17-27	1	116	44.9	105	3.8	110	3.8	109	4	114	116	
DE-17-27-29-2008	DE-17-27	1	125	50.6	112	4	118	3.8	117	4	118	125	
DE-17-27-8-2008	DE-17-85	1	121		110		121		121		121	113	
DE-17-27-9-2008	DE-17-85	1	124		111		121		120		120	120	
DE-17-27-10-2008	DE-17-85	1	119		110		121		121		122	110	
DE-17-27-11-2008	DE-17-85	1	118		112		114		114		120	111	
DE-17-27-12-2008	DE-17-85	2	127		120		119		118		123	122	
DE-17-27-13-2008	DE-17-85	2	118		114		118		119		124	107	
DE-17-27-14-2008	DE-17-85	2	122		115		115		114		121	118	
DE-17-27-15-2008	DE-17-85	2	119		115		118		119		125	108	