

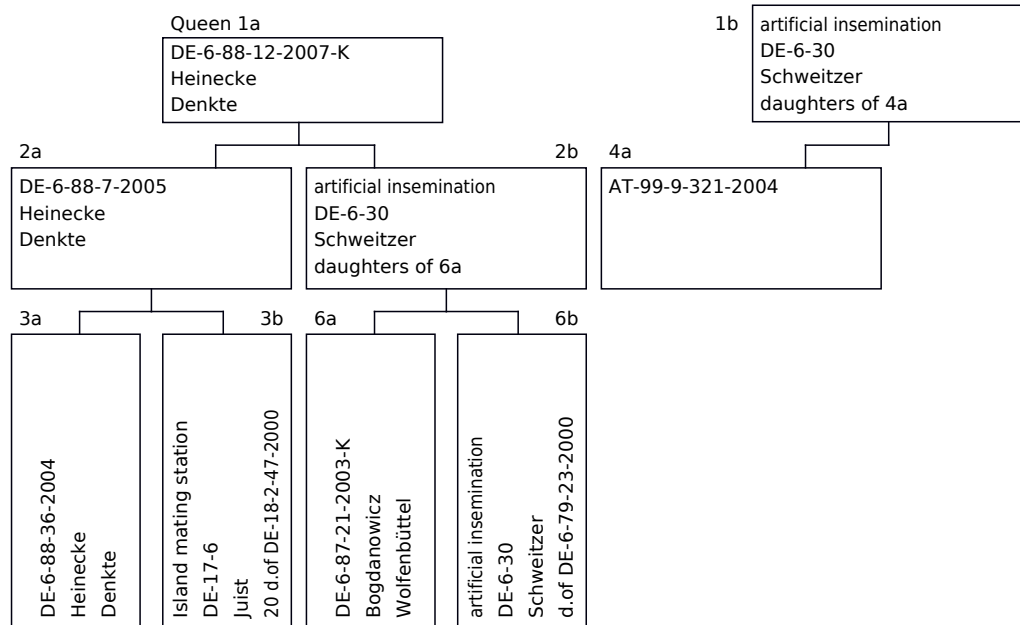
Tester of the queen: Heinecke, Günter, Denkte, DE-6-88, Apiary 2
Breeder of the queen: Heinecke, Günter, Denkte, DE-6-88
1a Studbook number: **DE-6-88-12-2007-K**

Race line: -10
Generation: 3

Sign: yellow 12
Hatch date: 30.05.2007

Daughters of
Queen: 0.2%
Workers: 0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 20			comparable colonies at the apiary							
	kg	%	Ranking	number	Yield average kg						
	46.3	134.9	1	16	34.3						
	Assessment*	Breeding values			Reliability						
Total breeding value¹	-	120									
Honey yield	-	112									0.4
Defensive behavior	4	120									0.6
Steadiness on comb	4	118									0.63
Swarming drive	4	106									0.39
Varroa	-	119									0.5
Performance index	-	0									
Robustness in winter	3.60			70%	100%					170%	
Development in Spring	3.80										
Colony strength	3.80										

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-6-88-12-2007-K

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Performance of the sisters

Amount of checked sisters: 14

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-6-88-6-2007	DE-6-88	1	94	29.9	91	3.6	Behavior	3.5	100	3	100	96	
DE-6-88-8-2007	DE-6-88	1	91	31.7	89	3.2	86	3	Inspection 85	3	78	105	
DE-6-88-9-2007	DE-6-88	1	98	31.8	95	3.6	105	3.7	105	4	104	92	
DE-6-88-13-2007	DE-6-88	1	92	38.5	96	3	86	3.2	85	3	80	105	
DE-6-88-4-2007	DE-6-88	2	100	39.7	102	3.6	103	3.8	103	3	88	102	
DE-6-88-5-2007	DE-6-88	2	93	28.4	89	3	87	3.5	84	2	69	113	
DE-6-88-7-2007	DE-6-88	2	78	22.8	84	2.5	81	3.5	82	4	86	83	
DE-6-88-10-2007	DE-6-88	2	90	26.2	87	3.2	88	3.5	87	2	72	105	
DE-6-88-12-2007-K	DE-6-88	2	120	46.3	112	4	120	4	118	4	106	119	
DE-6-88-14-2007	DE-6-88	2	88	9.4	79	3.8	101	3.6	100	4	95	86	
DE-6-88-16-2007	DE-6-88	2	92	35.6	95	3.4	91	3.4	90	3	81	100	
DE-6-88-17-2007	DE-6-88	2	90	35.3	95	2.9	88	3.6	87	3	78	101	
DE-6-88-18-2007	DE-6-88	2	85	25.6	88	3.3	89	3.4	88	4	91	88	
DE-6-88-19-2007	DE-6-88	2	110	42.8	107	3.8	111	3.9	110	4	102	107	