

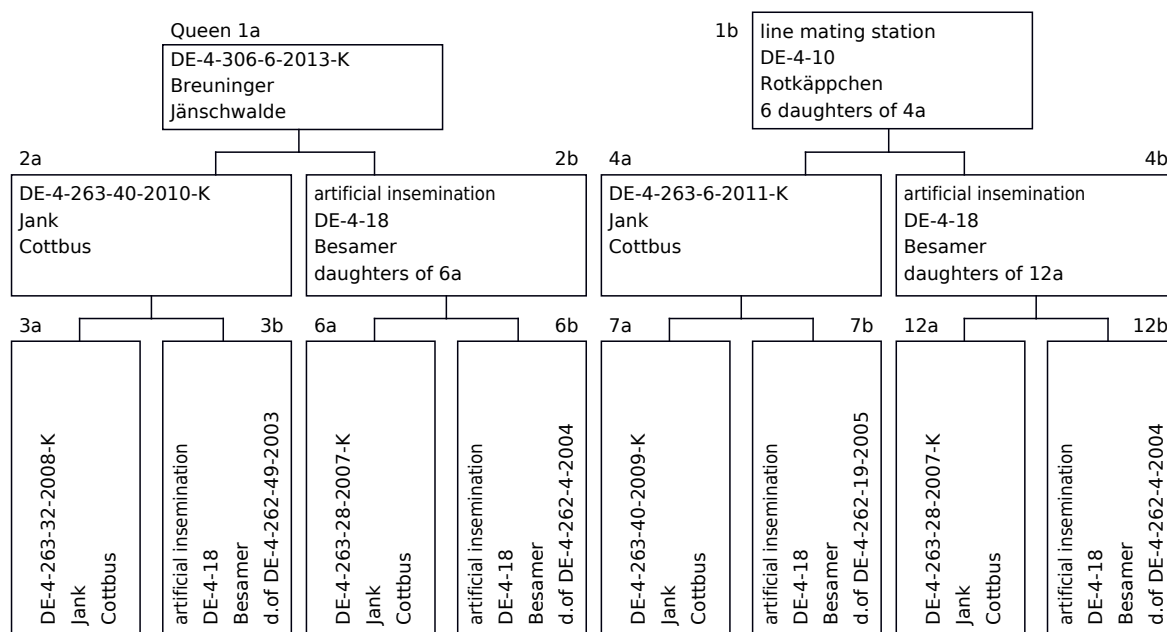
Tester of the queen: Breuninger, Hans Jörg, 03197 Jänschwalde, DE-4-306, Apiary 1  
 Breeder of the queen: Breuninger, Hans Jörg, 03197 Jänschwalde, DE-4-306  
**1a** Studbook number: **DE-4-306-6-2013-K**

Race line: -10  
 Generation: 0

Sign: red 06  
 Hatch date: 11.06.2013

Daughters of  
 Queen: 13%  
 Workers: 10.5%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony eigen			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	67	111.2	3	23	60.3	
	Assessment*	Breeding values				Reliability
<b>Total breeding value<sup>1</sup></b>	-	111				
Honey yield	-	116				0.33
Defensive behavior	4	105				0.49
Steadiness on comb	4	105				0.52
Swarming drive	4	111				0.32
Varroa	-	(107)				0.16
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 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-4-306-6-2013-K

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### Performance of the sisters

Amount of checked sisters: 31

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-4-263-13-2013	DE-4-263	2	103		111		Behavior		115		110	(104)	
DE-4-263-16-2013	DE-4-263	2	114		109			115	Inspection		110	(109)	
DE-4-263-17-2013	DE-4-263	2	109		119			98	97		120	(105)	
DE-4-263-18-2013	DE-4-263	2	101		107			96	96		98	(103)	
DE-4-263-19-2013	DE-4-263	2	95		92			95	94		92	(101)	
DE-4-263-21-2013	DE-4-263	2	111		124			98	98		121	(105)	
DE-4-263-22-2013	DE-4-263	2	112		105			115	114		106	(108)	
DE-4-263-24-2013	DE-4-263	2	97		95			95	94		98	(101)	
DE-4-306-1-2013	DE-4-306	1	105	53	101	4	104	4	103	4	106	(105)	
DE-4-306-2-2013	DE-4-306	1	82	63	102	3	64	3	64	4	91	(96)	
DE-4-306-3-2013	DE-4-306	1	109	63	112	4	105	4	104	4	110	(106)	
DE-4-306-4-2013	DE-4-306	1	100	39	87	4	102	4	101	4	102	(102)	
DE-4-306-5-2013	DE-4-306	1	95	65	110	3	86	4	87	4	100	(98)	
DE-4-306-6-2013-K	DE-4-306	1	111	67	116	4	105	4	105	4	111	(107)	
DE-4-306-7-2013	DE-4-306	1	95	64	109	3	86	4	86	4	100	(98)	
DE-4-306-8-2013-K	DE-4-306	1	112	69	118	4	106	4	105	4	112	(107)	
DE-4-306-9-2013	DE-4-306	1	107	64	111	4	105	4	105	3	95	(107)	
DE-4-306-10-2013	DE-4-306	1	106	55	103	4	104	4	103	4	107	(105)	
DE-4-306-11-2013	DE-4-306	1	110	66	115	4	105	4	105	4	111	(107)	
DE-4-306-12-2013	DE-4-306	1	110	66	115	4	105	4	105	4	111	(107)	
DE-4-306-13-2013	DE-4-306	1	109	62	111	4	105	4	104	4	109	(106)	
DE-4-306-14-2013	DE-4-306	1	105	53	101	4	104	4	103	4	106	(105)	
DE-4-306-15-2013	DE-4-306	1	110	66	115	4	105	4	105	4	111	(107)	
DE-4-306-27-2013	DE-4-306	1	103	48	96	4	103	4	102	4	105	(104)	
DE-4-306-28-2013	DE-4-306	1	107	65	112	4	105	4	105	3	96	(107)	
DE-4-306-29-2013	DE-4-306	1	98	36	83	4	102	4	100	4	101	(102)	
DE-4-306-30-2013-K	DE-4-306	1	112	69	118	4	106	4	105	4	112	(107)	
DE-4-306-31-2013	DE-4-306	1	110	65	114	4	105	4	105	4	110	(107)	
DE-4-306-32-2013	DE-4-306	1	107	58	106	4	104	4	104	4	108	(105)	
DE-4-306-33-2013	DE-4-306	1	110	65	114	4	105	4	105	4	110	(107)	
DE-4-306-34-2013	DE-4-306	1	110	65	114	4	105	4	105	4	110	(107)	