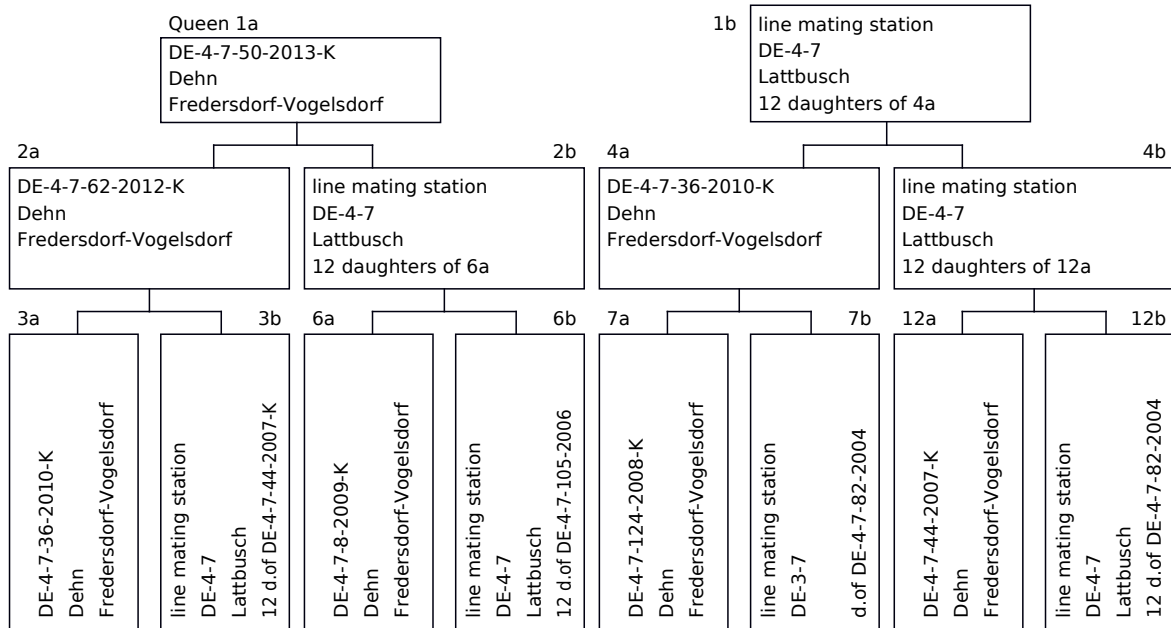


Tester of the queen: Dehn, Heinz, 15370 Fredersdorf-Vogelsdorf, DE-4-7, Apiary 2
 Breeder of the queen: Dehn, Heinz, 15370 Fredersdorf-Vogelsdorf, DE-4-7
1a Studbook number: **DE-4-7-50-2013-K**

Race line: -10 Sign: red rot Daughters of Queen: 12.8%
 Generation: 8 Hatch date: 31.5.2013 Workers: 18%

A. Pedigree



B. Own performance

Performance test year	No. of the colony D			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	46	107	1	3	43	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	105	■			
Honey yield	-	110	■			0.29
Defensive behavior	4	100				0.39
Steadiness on comb	4	99				0.43
Swarming drive	4	101				0.3
Varroa	-	105	■			0.36
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 B
 Suitable for breeding.

Breeding selection report DE-4-7-50-2013-K

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Performance of the sisters

Amount of checked sisters: 13

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-4-7-5-2013	DE-4-7	1	93	36.5	101	3	Behavior	3	88	3	88	(99)	
DE-4-7-7-2013	DE-4-7	1	95	37	103	3	89	3	Inspection 88	4	101	(98)	
DE-4-7-10-2013	DE-4-7	1	94	39	105	3	89	3	89	3	88	(99)	
DE-4-7-12-2013	DE-4-7	1	107	39	108	4	106	3	105	3	98	(107)	
DE-4-7-14-2013	DE-4-7	1	109	40	110	4	105	3	104	3	97	112	
DE-4-7-17-2013	DE-4-7	1	118	40	115	4	120	4	119	4	117	109	
DE-4-7-21-2013	DE-4-7	1	96	38	105	3	89	3	88	4	101	99	
DE-4-7-22-2013	DE-4-7	1	96	37	103	3	88	3	88	4	100	101	
DE-4-7-25-2013	DE-4-7	1	114	40	115	4	120	4	121	4	119	99	
DE-4-7-50-2013-K	DE-4-7	2	105	46	110	4	100	4	99	4	101	105	
DE-4-7-57-2013-K	DE-4-7	2	100	42	106	4	99	4	99	4	102	97	
DE-4-7-60-2013-K	DE-4-7	2	103	41	105	4	99	4	98	4	99	105	
DE-4-7-1-2013	DE-4-7	3	100	33	105	4	97	4	97	4	99	102	