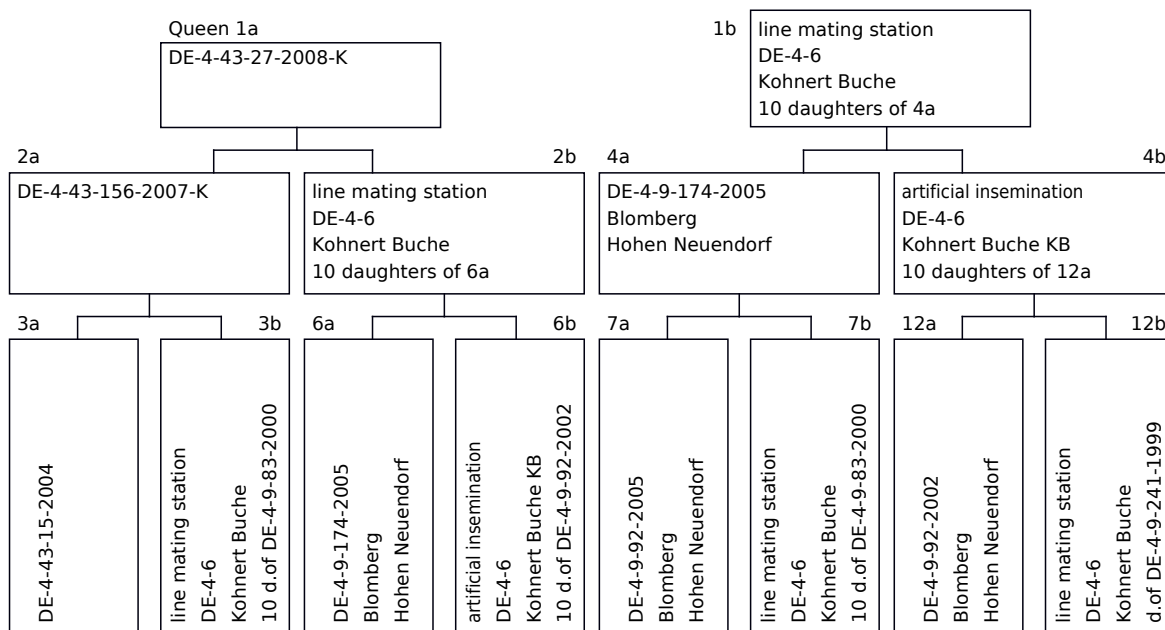


Tester of the queen: DE-4-43, Apiary 1
Breeder of the queen: DE-4-43
1a Studbook number: **DE-4-43-27-2008-K**

Race line: Sign: red 27
Generation: Hatch date: 31.5.2008

Daughters of
Queen: 13.3%
Workers: 29.2%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	35	123	1	9	28.4	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	106	■			
Honey yield	-	112	■			0.47
Defensive behavior	4	107	■			0.65
Steadiness on comb	4	107	■			0.66
Swarming drive	4	106	■			0.44
Varroa	-	(101)				0.2
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

none Analysis of race characteristics

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-4-43-27-2008-K

Page 2

Performance of the sisters

Amount of checked sisters: 16

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-4-43-25-2009	DE-4-43	1	94	34.5	98	4	97	3	97	3	90	(96)	
DE-4-43-27-2009	DE-4-43	1	94	34.5	98	4	97	3	96	3	90	(96)	
DE-4-43-31-2009	DE-4-43	1	96	39.5	103	4	98	3	97	3	92	(97)	
DE-4-43-32-2009	DE-4-43	1	95	36.5	100	4	97	3	97	3	91	(96)	
DE-4-43-97-2009	DE-4-43	1	100	40.5	106	4	98	3	97	4	107	(96)	
DE-4-43-34-2009	DE-4-43	2	98	34.5	103	4	100	3	100	3	97	(97)	
DE-4-247-20-2009	DE-4-247	1	102		106		104		104		100	(99)	
DE-4-247-21-2009	DE-4-247	1	103		108		105		104		100	(99)	
DE-4-247-23-2009	DE-4-247	1	100		100		104		103		98	(98)	
DE-4-43-27-2008-K	DE-4-43	1	106	35	112	4	107	4	107	4	106	(101)	
DE-4-43-28-2008	DE-4-43	1	104	30.5	107	4	107	4	106	4	104	(100)	
DE-4-43-34-2008	DE-4-43	1	104	29	105	4	106	4	106	4	103	(99)	
DE-4-43-68-2008	DE-4-43	1	103	28	104	4	106	4	105	4	103	(99)	
DE-4-43-87-2008	DE-4-43	1	102	25	100	4	106	4	105	4	102	(98)	
DE-4-43-101-2008	DE-4-43	1	104	29.5	106	4	107	4	106	4	104	(99)	
DE-4-43-33-2008-K	DE-4-43	5	98	39.5	103	4	100	4	100	4	97	(97)	