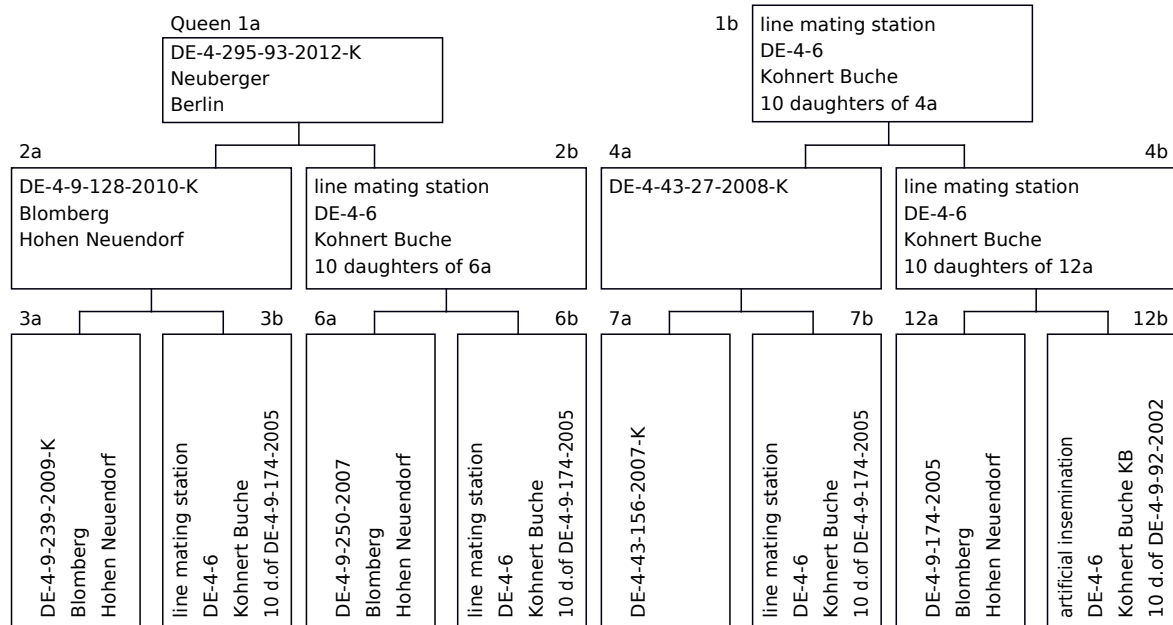


Tester of the queen: Neuberger, Philipp, 13591 Berlin, DE-4-295, Apiary 3
 Breeder of the queen: Neuberger, Philipp, 13591 Berlin, DE-4-295
1a Studbook number: **DE-4-295-93-2012-K**

Race line: -6 Sign: yellow 93 Daughters of Queen: 56.6%
 Generation: Hatch date: 17.06.2012 Workers: 50.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	68	121.2	1	6	56.1
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	100			
Honey yield	-	108		■	0.48
Defensive behavior	3.20	104		■	0.61
Steadiness on comb	3.30	105		■	0.63
Swarming drive	1	98		■	0.45
Varroa	-	(94)		■	0.23
Performance index	-	0			
Robustness in winter	3		70%	100%	170%
Development in Spring	2.20				
Colony strength	3.10				

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 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-4-295-93-2012-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 index
DE-4-9-3-2012	DE-4-9	1	83		98		Behavior		ding		dgye	(87)	
DE-4-9-4-2012	DE-4-9	1	85		87		87		inspection		89	(88)	
DE-4-9-49-2012	DE-4-9	1	90		87		96		96		93	(90)	
DE-4-9-62-2012	DE-4-9	1	97		95		104		104		99	(94)	
DE-4-9-68-2012	DE-4-9	1	86		100		84		85		91	(88)	
DE-4-9-71-2012	DE-4-9	1	76		95		68		69		84	(84)	
DE-4-9-73-2012	DE-4-9	1	98		90		109		109		99	(94)	
DE-4-9-75-2012	DE-4-9	1	91		90		96		97		94	(91)	
DE-4-295-71-2012	DE-4-295	3	95	65.7	103	3.2	95	2.5	95	2.6	101	(93)	
DE-4-295-83-2012	DE-4-295	3	79	43.7	81	2.4	82	2.6	82	1.9	85	(85)	
DE-4-295-91-2012	DE-4-295	3	97	58	98	3.3	104	3.2	104	1	96	(94)	
DE-4-295-92-2012	DE-4-295	3	88	48.7	88	3.1	94	2.8	94	1	89	(90)	
DE-4-295-93-2012-K	DE-4-295	3	100	68	108	3.2	104	3.3	105	1	98	(94)	
DE-4-295-94-2012	DE-4-295	3	90	52.4	91	3.1	95	2.9	95	1	91	(91)	