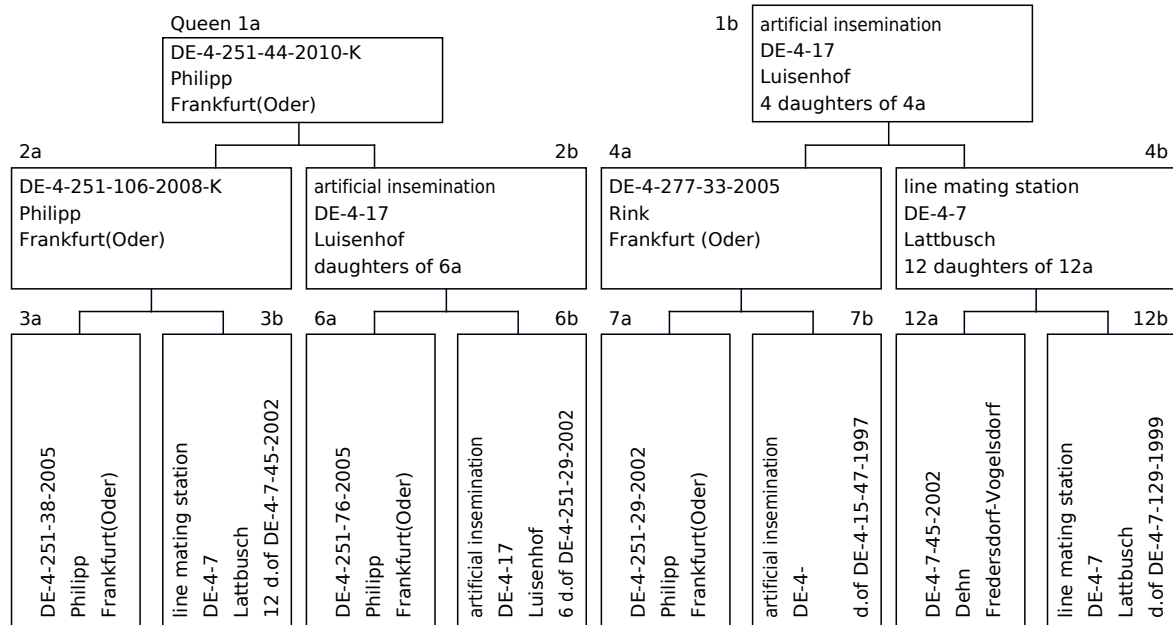


Tester of the queen: Philipp, Golo, 15234 Frankfurt(Oder), DE-4-251, Apiary 3  
 Breeder of the queen: Philipp, Golo, 15234 Frankfurt(Oder), DE-4-251  
**1a** Studbook number: **DE-4-251-44-2010-K**

Race line: Sign: blue 44  
 Generation: Hatch date: Daughters of Queen: 8.8%  
 Workers: 8.9%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	70	121.2	1	4	57.8
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	126			
Honey yield	-	122			0.37
Defensive behavior	4	128			0.52
Steadiness on comb	4	127			0.55
Swarming drive	4	125			0.36
Varroa	-	(112)			0.19
Performance index	-	0			
Robustness in winter	3.80		70%	100%	170%
Development in Spring	3.80				
Colony strength	3.80				

<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-4-251-44-2010-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 12

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-4-251-200-2011	DE-4-251	1	94	21	86	3.6	Behavior	3.6	115	3.9	114	(97)	
DE-4-251-51-2010	DE-4-251	1	108	35	91	3.8	115	3.8	115	4	114	(104)	
DE-4-251-57-2010	DE-4-251	1	114	55	111	3.5	115	4	114	4	118	(104)	
DE-4-251-88-2010	DE-4-251	1	100	45	97	3.2	101	3.5	100	3.7	102	(100)	
DE-4-251-91-2010	DE-4-251	1	107	50	104	3.5	107	3.6	106	3.8	109	(103)	
DE-4-251-92-2010	DE-4-251	1	109	52	106	3.6	109	3.6	108	3.8	110	(104)	
DE-4-251-97-2010	DE-4-251	1	98	48	98	3.2	96	3	95	3.5	98	(100)	
DE-4-251-98-2010	DE-4-251	1	103	58	110	3	100	3.5	100	3.7	105	(101)	
DE-4-251-55-2010	DE-4-251	2	104	40	98	3.5	107	3.5	106	3.8	106	(102)	
DE-4-251-56-2010	DE-4-251	2	111	60	114	3.5	108	3.5	108	3.8	111	(105)	
DE-4-251-43-2010	DE-4-251	3	106	58	105	3.5	104	3.5	103	4	111	(102)	
DE-4-251-44-2010-K	DE-4-251	3	126	70	122	4	128	4	127	4	125	(112)	