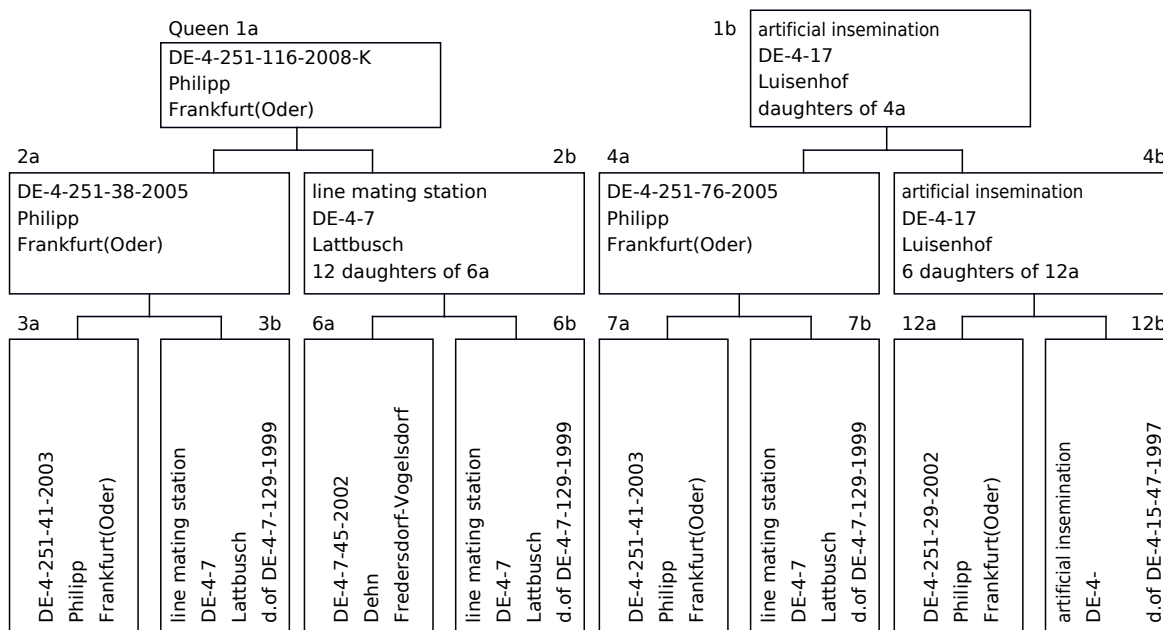


Tester of the queen: Philipp, Golo, 15234 Frankfurt(Oder), DE-4-251, Apiary 1  
 Breeder of the queen: Philipp, Golo, 15234 Frankfurt(Oder), DE-4-251  
**1a** Studbook number: **DE-4-251-116-2008-K**

Race line: -9 Sign: red 16 Daughters of Queen: 9.4%  
 Generation: 3 Hatch date: 14.06.2008 Workers: 8.8%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	92	215.1	1	26	42.8
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	129			
Honey yield	-	131			0.46
Defensive behavior	4	128			0.66
Steadiness on comb	3.80	127			0.67
Swarming drive	3.80	123			0.43
Varroa	-	(115)			0.21
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-4-251-116-2008-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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-4-251-101-2008	DE-4-251	1	112	66	119	3.3	Behavior	3.5	109	3.8	drive	(106)	
DE-4-251-102-2008	DE-4-251	1	111	68	119	3.2	104	3.3	inspection	4	115	(105)	
DE-4-251-103-2008	DE-4-251	1	123	83	127	3.8	119	3.6	119	4	123	(112)	
DE-4-251-104-2008	DE-4-251	1	107	69	118	2.9	98	3	98	4	112	(104)	
DE-4-251-105-2008	DE-4-251	1	121	79	126	3.5	121	4	122	3.5	113	(110)	
DE-4-251-106-2008-K	DE-4-251	1	106	62	116	3	99	3	99	4	112	(101)	
DE-4-251-107-2008	DE-4-251	1	118	73	122	3.7	115	3.5	115	3.5	111	(111)	
DE-4-251-108-2008	DE-4-251	1	115	64	119	3.5	111	3.5	111	3.9	115	(108)	
DE-4-251-109-2008	DE-4-251	1	103	60	115	2.5	95	3	95	4	109	(101)	
DE-4-251-110-2008	DE-4-251	1	107	61	116	3	99	3	98	4	112	(104)	
DE-4-251-111-2008	DE-4-251	1	124	75	124	4	122	3.5	122	3.6	117	(114)	
DE-4-251-112-2008	DE-4-251	1	112	63	118	3.4	108	3.4	108	3.7	110	(107)	
DE-4-251-113-2008	DE-4-251	1	106	56	114	3	98	3	98	4	111	(103)	
DE-4-251-114-2008	DE-4-251	1	123	59	121	3.8	122	3.8	122	4	123	(111)	
DE-4-251-115-2008	DE-4-251	1	122	61	120	4	122	3.5	121	3.5	114	(114)	
DE-4-251-116-2008-K	DE-4-251	1	129	92	131	4	128	3.8	127	3.8	123	(115)	