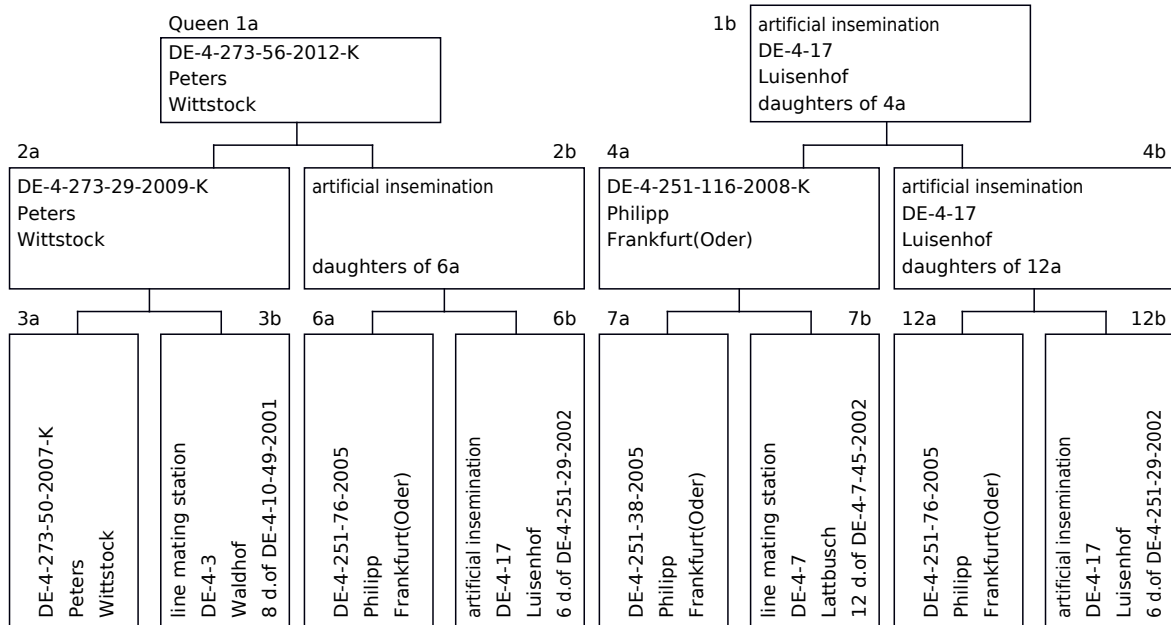


Tester of the queen: Peters, Raimund, 16909 Wittstock, DE-4-273, Apiary 1
 Breeder of the queen: Peters, Raimund, 16909 Wittstock, DE-4-273
1a Studbook number: **DE-4-273-56-2012-K**

Race line: Sign: yellow 56
 Generation: Hatch date: 04.07.2012

Daughters of Queen: 0.5%
 Workers: 9.4%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 4			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	88	164.6	1	15	53.5
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	122			
Honey yield	-	133			0.42
Defensive behavior	4	119			0.63
Steadiness on comb	4	120			0.65
Swarming drive	4	124			0.4
Varroa	-	(107)			0.18
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 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-4-273-56-2012-K

Page 2

Performance of the sisters

Amount of checked sisters: 9

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-4-273-45-2012-K	DE-4-273	1	108	49	111	3.9	102	3.9	103	3.5	107	(102)	
DE-4-273-47-2012	DE-4-273	1	107	66	118	3.7	102	3.8	103	4	112	(99)	
DE-4-273-48-2012	DE-4-273	1	108	27	100	4	115	4	116	3	103	(102)	
DE-4-273-49-2012	DE-4-273	1	96	62	113	3.3	88	3.6	89	4	105	(94)	
DE-4-273-53-2012	DE-4-273	1	114	56	116	4	117	4	118	3.5	112	(104)	
DE-4-273-54-2012	DE-4-273	1	104	54	112	3.7	101	3.8	102	4	110	(98)	
DE-4-273-55-2012	DE-4-273	1	116	74	125	3.9	114	4	115	4	119	(104)	
DE-4-273-56-2012-K	DE-4-273	1	122	88	133	4	119	4	120	4	124	(107)	
DE-4-273-59-2012	DE-4-273	1	120	80	129	4	118	4	119	4	122	(106)	