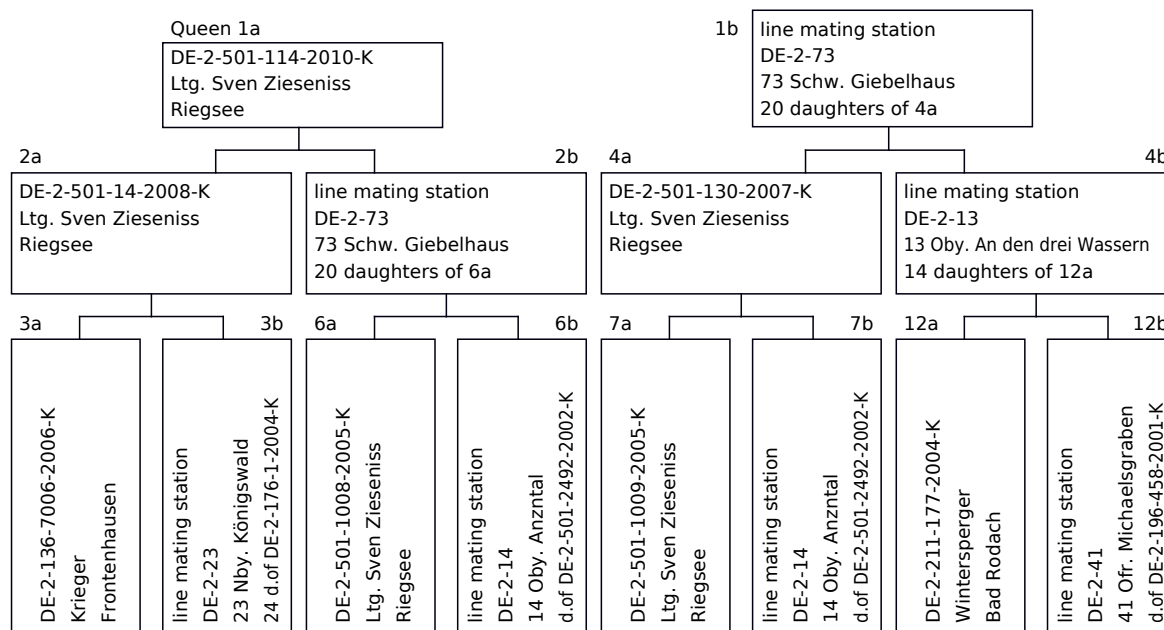


Tester of the queen: Ltg. Sven Zieseniss, Prüfhof Guglhör, 82418 Riegsee, DE-2-501, Apiary 1
 Breeder of the queen: Ltg. Sven Zieseniss, Prüfhof Guglhör, 82418 Riegsee, DE-2-501
1a Studbook number: **DE-2-501-114-2010-K**

Race line: Sign: blue
 Generation: 3 Hatch date: 14.06.2010

Daughters of Queen: 0.1%
 Workers: 3.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony Volk 1564			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	30.3	79.5	36	45	38.1
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	108	■		
Honey yield	-	99			
Defensive behavior	2.90	102			
Steadiness on comb	2.60	100			
Swarming drive	4	101			
Varroa	-	114	■		
Performance index	-	0			
Robustness in winter	4	70% 100% 170%			
Development in Spring	2				
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 Av

Selected for Varroa tolerance. Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations.

Breeding selection report DE-2-501-114-2010-K

Page 2

Performance of the sisters

Amount of checked sisters: 7

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-2-501-83-2010-K	DE-2-501	1	87	19.1	90	2.8	109	2.8	109	4	109	74	
DE-2-501-88-2010-K	DE-2-501	1	106	41.5	108	3	110	2.8	110	3	102	100	
DE-2-501-103-2010-K	DE-2-501	1	93	35.3	101	2.6	94	2.6	95	4	103	89	
DE-2-501-114-2010-K	DE-2-501	1	108	30.3	99	2.9	102	2.6	100	4	101	114	
DE-2-501-117-2010-K	DE-2-501	1	97	47.4	113	2.9	107	2.8	110	4	116	77	
DE-2-501-125-2010-K	DE-2-501	1	93	37.3	106	3	112	2.9	115	4	119	67	
DE-2-501-131-2010-K	DE-2-501	1	105	28.5	98	3	104	2.5	102	4	104	107	