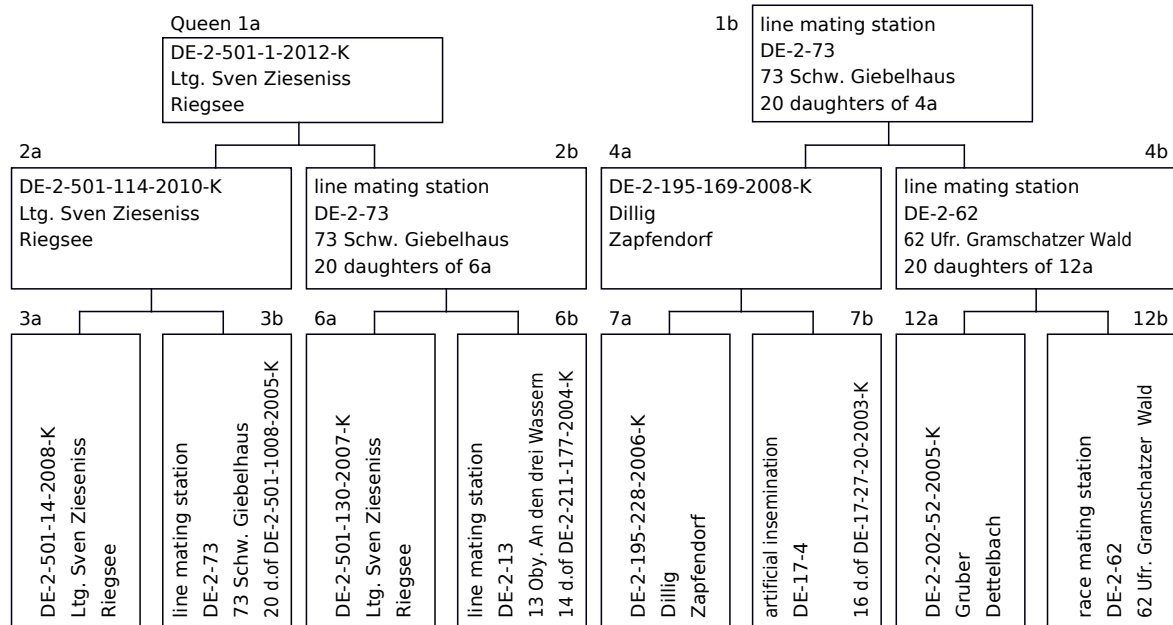


Tester of the queen: Ltg. Alexander Trian, Prüfhof Thüngersheim, 97209 Veitshöchheim, DE-2-503, Apiary 3
 Breeder of the queen: Ltg. Sven Zieseniss, Prüfhof Guglhör, 82418 Riegsee, DE-2-501
1a Studbook number: **DE-2-501-1-2012-K**

Race line: Sign: yellow 1 Daughters of Queen: 3.1%
 Generation: Hatch date: 25.5.2012 Workers: 0.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 3216			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	20.1	103.7	23	47	19.4	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	107	■			
Honey yield	-	105	■			0.45
Defensive behavior	4	109	■			0.66
Steadiness on comb	4	109	■			0.68
Swarming drive	4	111	■			0.44
Varroa	-	100	■			0.54
Performance index	-	0	■			
Robustness in winter	3	70% 100% 170%				
Development in Spring	3					
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-2-501-1-2012-K

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Performance of the sisters

Amount of checked sisters: 13

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 ndex
DE-2-501-103-2012	DE-2-501	1	94		99		Behavior		109		109	84	
DE-2-501-104-2012	DE-2-501	1	108		111			inspection	99		106	110	
DE-2-501-105-2012-K	DE-2-501	1	110		109				103		106	112	
DE-2-501-7-2012	DE-2-502	2	109		95				115		100	107	
DE-2-501-8-2012-K	DE-2-502	2	117		112				117		114	111	
DE-2-501-9-2012-K	DE-2-502	2	126		121				129		122	112	
DE-2-501-10-2012	DE-2-502	2	99		(100)				(104)		92	(99)	
DE-2-501-1-2012-K	DE-2-503	3	107	20.1	105	4	109	4	109	4	111	100	
DE-2-501-2-2012-K	DE-2-503	3	98	24.7	108	4	109	4	112	4	118	78	
DE-2-501-3-2012-K	DE-2-503	3	95	20.2	104	4	109	4	111	3	106	80	
DE-2-501-4-2012-K	DE-2-503	3	103	19.7	105	4	109	4	110	4	113	92	
DE-2-501-5-2012	DE-2-503	3	111	21.2	106	4	109	4	108	4	109	110	
DE-2-701-17-2012-K	DE-2-701	19	105		105		108		108		106	(100)	