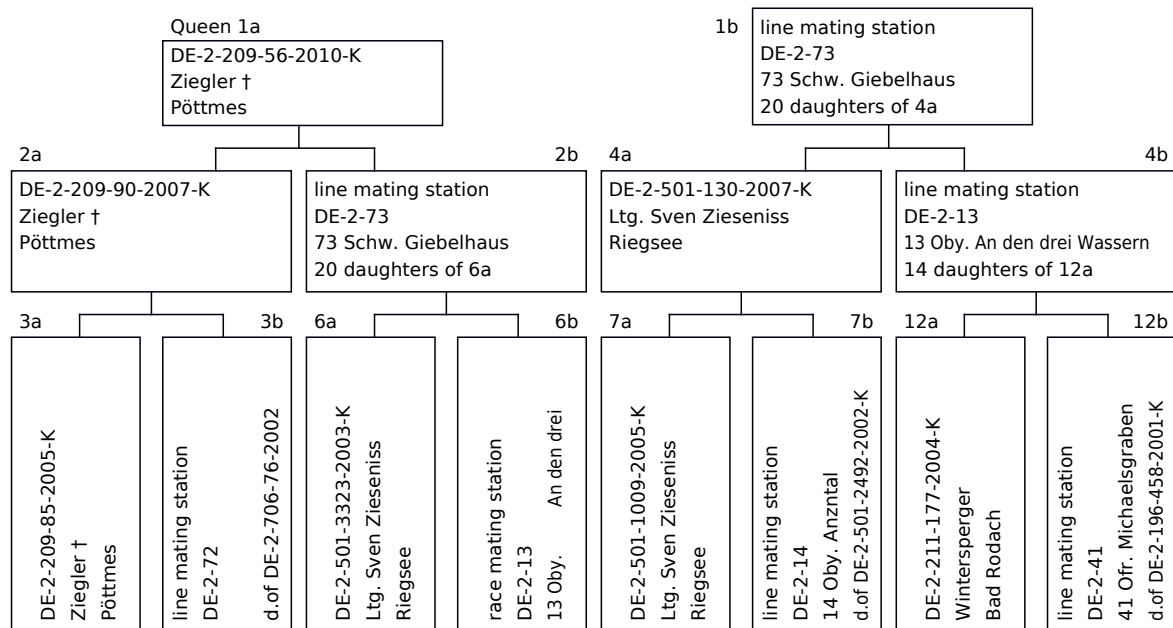


Tester of the queen: Ltg. Alexander Trian, Prüfhof Thüngersheim, 97209 Veitshöchheim, DE-2-503, Apiary 3  
 Breeder of the queen: Ziegler †, Leonhard, 86554 Pöttmes, DE-2-209  
**1a** Studbook number: **DE-2-209-56-2010-K**

Race line: Sign: blue 56  
 Generation: 16 Hatch date: 29.05.2010

Daughters of Queen: 0.5%  
 Workers: 1.8%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 3507			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	6	37.3	31	36	16.1
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	119			
Honey yield	-	101			0.44
Defensive behavior	3.70	106			0.66
Steadiness on comb	4	102			0.68
Swarming drive	4	96			0.43
Varroa	-	134			0.54
Performance index	-	0			
Robustness in winter	2		70%	100%	170%
Development in Spring	4				
Colony strength	2				

<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 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-2-209-56-2010-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 15

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-2-209-70-2010	DE-2-209	1	99		104		Behavior		100		100	(98)	
DE-2-209-71-2010	DE-2-209	1	106		112		104		105		109	(101)	
DE-2-209-72-2010	DE-2-209	1	104		116		100		101		102	(100)	
DE-2-209-191-2010	DE-2-209	1	113		108		113		113		127	(102)	
DE-2-209-190-2010	DE-2-209	3	102		101		103		103		110	(98)	
DE-2-209-47-2010-K	DE-2-501	1	110		108		98		96		102	117	
DE-2-209-49-2010-K	DE-2-501	1	114		111		114		115		114	107	
DE-2-209-50-2010-K	DE-2-502	2	101		105		100		100		107	98	
DE-2-209-51-2010-K	DE-2-502	2	97		104		107		109		114	81	
DE-2-209-52-2010-K	DE-2-502	2	113		104		111		110		109	112	
DE-2-209-54-2010	DE-2-502	2	107		118		115		118		110	89	
DE-2-209-56-2010-K	DE-2-503	3	119	6	101	3.7	106	4	102	4	96	134	
DE-2-209-57-2010-K	DE-2-503	3	93	4.5	99	3.5	100	4	102	4	105	84	
DE-2-209-58-2010-K	DE-2-503	3	103	9.6	100	3.6	95	3.5	93	4	97	112	
DE-2-209-59-2010-K	DE-2-503	3	106	22.3	110	3.9	112	4	113	4	113	93	