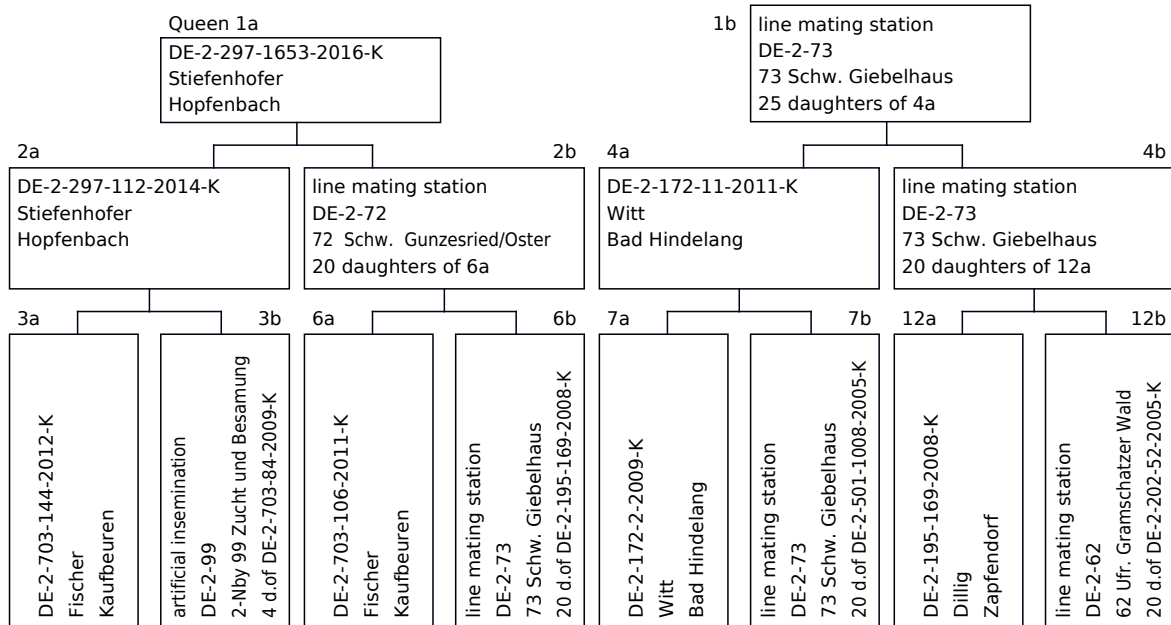


Tester of the queen: Stiefenhofer, Andreas, 87496 Hopfenbach, DE-2-297, Apiary 3  
Breeder of the queen: Stiefenhofer, Andreas, 87496 Hopfenbach, DE-2-297  
**1a** Studbook number: **DE-2-297-1653-2016-K**

Race line: Sign: white 53  
Generation: Hatch date: 20.06.2016

Daughters of Queen: 2.5%  
Workers: 4.3%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	73.6	145.9	1	6	50.4
	Assessment*		Breeding values		Reliability
<b>Total breeding value<sup>1</sup></b>	-	112			
Honey yield	-	126			0.37
Defensive behavior	3.80	104			0.55
Steadiness on comb	3.50	104			0.55
Swarming drive	3	112			0.34
Varroa	-	103			0.11
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength					

<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-2-297-1653-2016-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 10

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-2-297-1643-2016	DE-2-297	3	97	35.6	96	3.4	Behavior	3.6	109	2	109	(103)	
DE-2-297-1644-2016	DE-2-297	3	113	51.6	108	3.8	112	3.8	116	3	112	(103)	
DE-2-297-1645-2016	DE-2-297	3	110	42.4	100	3.7	110	3.8	115	3	111	(103)	
DE-2-297-1648-2016	DE-2-297	3	113	52.8	109	3.8	112	3.8	116	3	112	(103)	
DE-2-297-1651-2016	DE-2-297	3	107	46.7	104	3.6	103	3.6	106	3	110	(103)	
DE-2-297-1653-2016-K	DE-2-297	3	112	73.6	126	3.8	104	3.5	104	3	112	103	
DE-2-297-111-2015	DE-2-297	4	109	51.1	109	3.7	108	3.7	113	3	107	101*	
DE-2-297-112-2015	DE-2-297	4	109	51.1	109	3.8	109	3.6	111	3	107	101*	
DE-2-297-113-2015	DE-2-297	4	105	48.4	104	3.6	101	3.5	104	3	105	103*	
DE-2-297-114-2015	DE-2-297	4	109	51.2	109	3.7	106	3.6	109	3	107	104*	

Only one Varroa trait was recorded