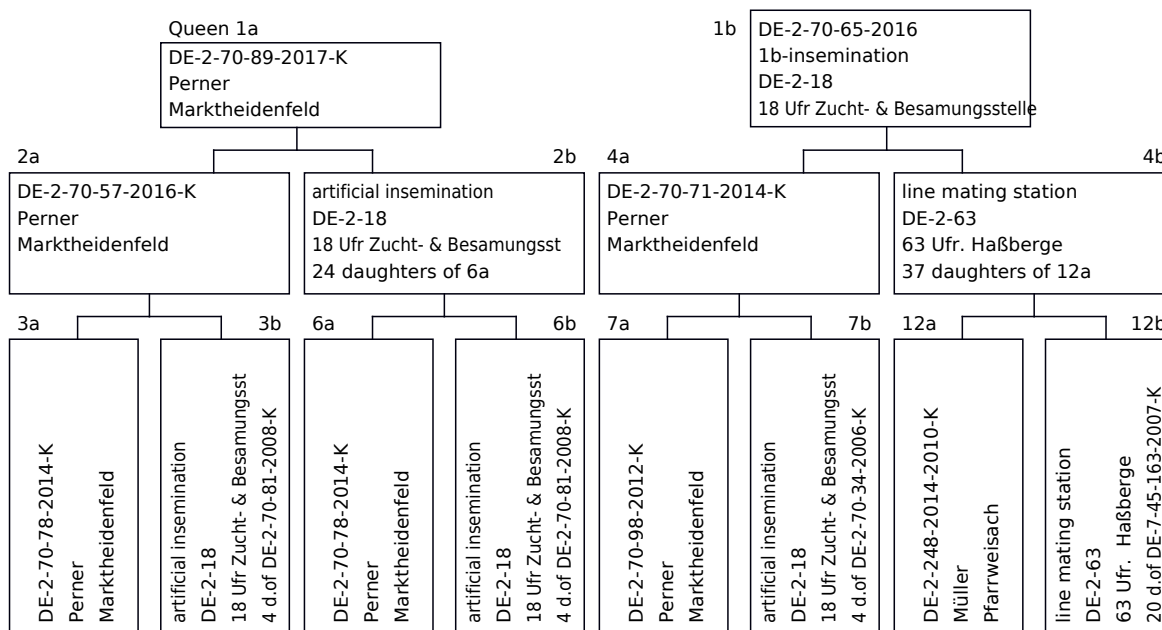


Tester of the queen: Perner, Martin, 97828 Marktheidenfeld, DE-2-70, Apiary 1  
 Breeder of the queen: Perner, Martin, 97828 Marktheidenfeld, DE-2-70  
**1a** Studbook number: **DE-2-70-89-2017-K**

Race line: Sign: yellow Daughters of Queen: 20.0%  
 Generation: Hatch date: Workers: 2.1%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 8			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	79	151.3	2	10	52.2
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	122			
Honey yield	-	117			0.36
Defensive behavior	4	124			0.56
Steadiness on comb	4	123			0.56
Swarming drive	4	100			0.31
Varroa	-	116			0.3
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-2-70-89-2017-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 23

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-2-70-16-2017	DE-2-70	1	95	36.8	91	2.8	86	3.2	100	4	100	(102)	
DE-2-70-26-2017	DE-2-70	1	74	29.5	72	3	86	3	100	4	61	(83)	72
DE-2-70-30-2017	DE-2-70	1	75	49.5	75	3.2	86	3	86	4	64	81	74
DE-2-70-66-2017	DE-2-70	1	112	40.1	97	3.8	121	3.8	120	4	97	109	
DE-2-70-67-2017	DE-2-70	1	80	31.8	76	3.2	97	3.7	101	4	66	81	82
DE-2-70-87-2017	DE-2-70	1	85	63.1	81	3.8	101	4	105	4	72	83	88
DE-2-70-89-2017-K	DE-2-70	1	122	79	117	4	124	4	123	4	100	116	
DE-2-70-90-2017	DE-2-70	1	82	35.4	77	3.5	100	3.8	103	4	67	(83)	84
DE-2-70-13-2017**	DE-2-502	2	78		(75)		(91)		(93)		(66)	(83)	78
DE-2-70-14-2017**	DE-2-502	2	78		(75)		(91)		(93)		(66)	(83)	78
DE-2-70-15-2017**	DE-2-502	2	78		(75)		(91)		(93)		(66)	(83)	78
DE-2-70-18-2017**	DE-2-502	2	78		(75)		(91)		(93)		(66)	(83)	78
DE-2-70-19-2017**	DE-2-502	2	78		(75)		(91)		(93)		(66)	(83)	78
DE-2-70-21-2017**	DE-2-502	2	103		(98)		(109)		(108)		(95)	(102)	
DE-2-70-22-2017**	DE-2-502	2	103		(98)		(109)		(108)		(95)	(102)	
DE-2-70-23-2017**	DE-2-502	2	103		(98)		(109)		(108)		(95)	(102)	
DE-2-70-24-2017**	DE-2-502	2	103		(98)		(109)		(108)		(95)	(102)	
DE-2-70-25-2017**	DE-2-502	2	103		(98)		(109)		(108)		(95)	(102)	
DE-2-70-31-2017**	DE-2-503	3	103		(98)		(109)		(108)		(95)	(102)	
DE-2-70-32-2017**	DE-2-503	3	103		(98)		(109)		(108)		(95)	(102)	
DE-2-70-33-2017**	DE-2-503	3	103		(98)		(109)		(108)		(95)	(102)	
DE-2-70-35-2017**	DE-2-503	3	103		(98)		(109)		(108)		(95)	(102)	
DE-2-70-36-2017-K	DE-2-503	3	110		86		124		125		85	111	

Colony without performance tests