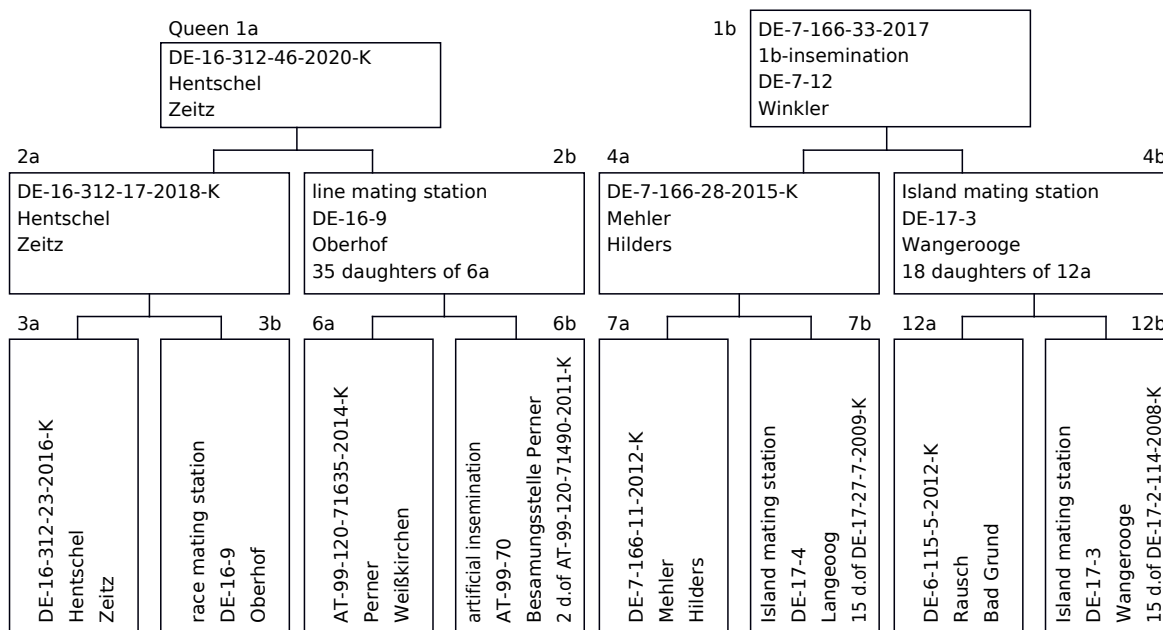









Tester of the queen: Hentschel, Gottfried, 06712 Zeitz, DE-16-312, Apiary 1
 Breeder of the queen: Hentschel, Gottfried, 06712 Zeitz, DE-16-312
1a Studbook number: **DE-16-312-46-2020-K**

Race line: -Ca Sign: blue 46 Daughters of Queen: 0.4%
 Generation: 21 Hatch date: 12.06.2020 Workers: 1.4%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 5			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	30.2	91.1	4	8	33.1
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	119			
Honey yield	-	106			
Defensive behavior	4	124			
Steadiness on comb	4	122			
Swarming drive	3.90	108			
Varroa	-	115			
Performance index	-	117			
Robustness in winter			70%	100%	170%
Development in Spring					
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-16-312-46-2020-K

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Performance of the sisters

Amount of checked sisters: 3

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-16-312-34-2020	DE-16-312	1	117	29.7	104	3.9	Behavior	3.9	422	3	108	114	114
DE-16-312-46-2020-K	DE-16-312	1	119	30.2	106	4	124	4	122	3.9	108	115	117
DE-16-312-48-2020-K	DE-16-312	1	120	39.5	110	4	123	4	122	4	109	115	119