

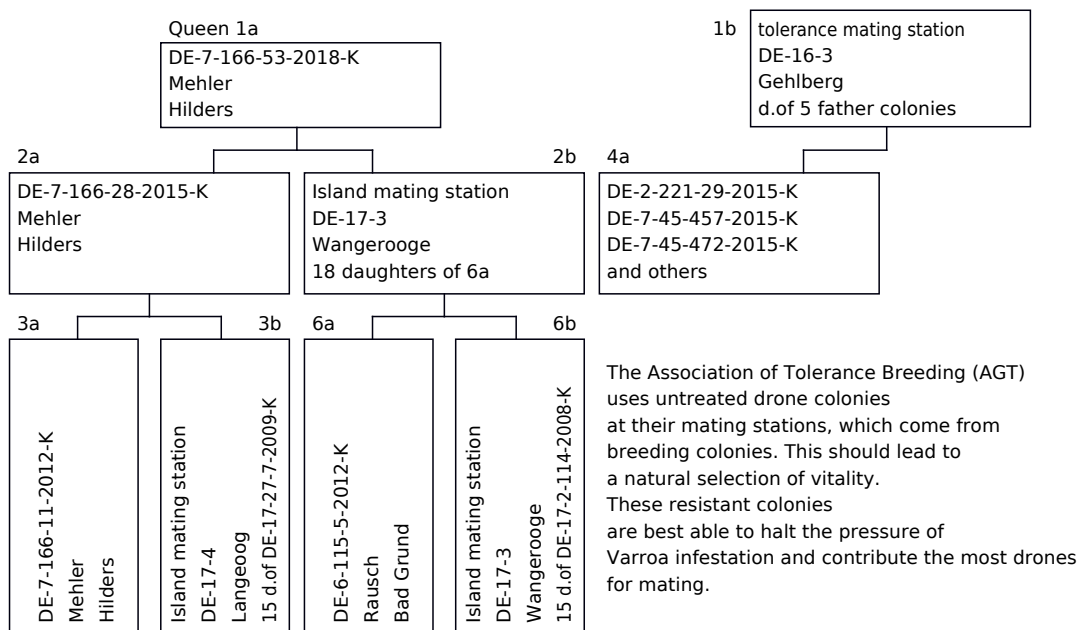
Tester of the queen: Mehler, Aloys, 36115 Hilders, DE-7-166, Apiary 1
Breeder of the queen: Mehler, Aloys, 36115 Hilders, DE-7-166
1a Studbook number: **DE-7-166-53-2018-K**

Race line: -C-70
Generation: 10

Sign: red rot
Hatch date: 15.6.2018

Daughters of
Queen: 0.5%
Workers: 0.9%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 5			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	63.5	123.9	1	14	51.2	
	Assessment*		Breeding values			Reliability
Total breeding value¹	-	115				
Honey yield	-	110				0.36
Defensive behavior	3.40	114				0.5
Steadiness on comb	3.40	111				0.5
Swarming drive	3.50	106				0.37
Varroa	-	110				0.26
Performance index	-	111				0.43
Robustness in winter				70%	100%	170%
Development in Spring	4					
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-7-166-53-2018-K

Page 2

Performance of the sisters

Amount of checked sisters: 4

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-7-166-53-2018-K	DE-7-166	1	115	63.5	110	3.4	114	3.4	111	3.5	106	110	111
DE-7-166-56-2018	DE-7-166	1	107	43	102	3	109	3	108	1	93	108	102
DE-7-166-57-2018	DE-7-166	1	109	59.5	108	3	110	3.2	108	1	93	108	105
DE-7-166-62-2018	DE-7-166	1	112	52.5	106	3.2	112	3.2	109	2.5	101	110	107