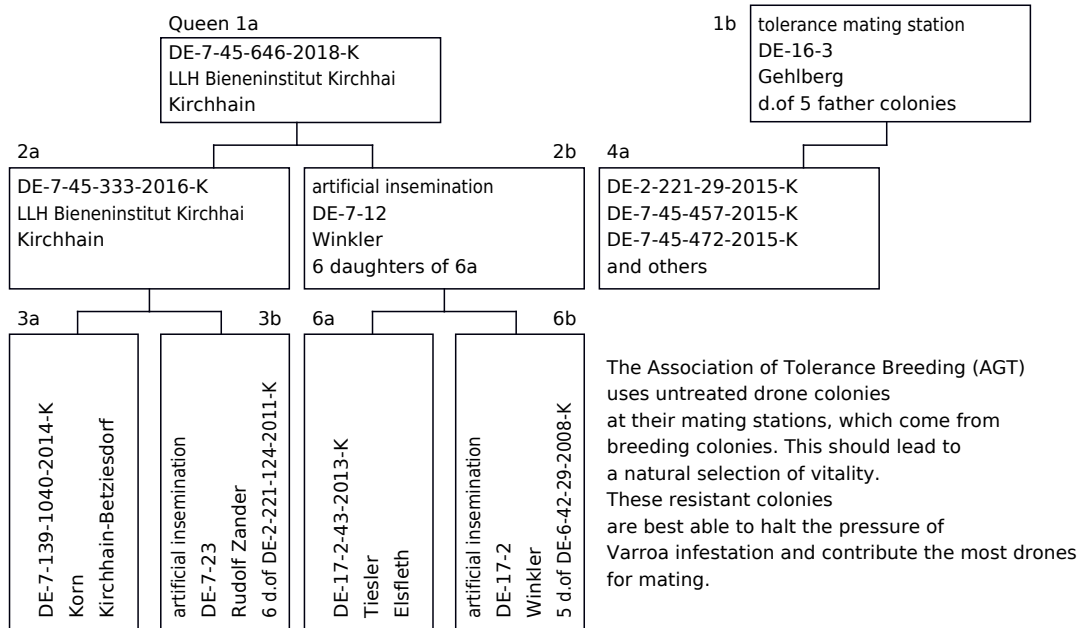


Breeding selection report

DE-7-45-646-2018-K

Tester of the queen:	Oberschmied, Klaus, 39030 Steinhaus - Ahrntal, IT-20-110, Apiary 1	
Breeder of the queen:	LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45	
1a Studbook number:	DE-7-45-646-2018-K	
Race line: -Kirchhain	Sign: red 23	Daughters of Queen: 0.9%
Generation: 2	Hatch date:	Workers: 1.9%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 17			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	29.1	115.6	3	10	25.2	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	114				
Honey yield	-	111				0.61
Defensive behavior	4	117				0.7
Steadiness on comb	3.40	107				0.69
Swarming drive	4	108				0.6
Varroa	-	110				0.67
Performance index	-	113				0.61
Robustness in winter	3.50		70% 100% 170%			
Development in Spring	2.60					
Colony strength	3.50					

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

none Analysis of race characteristics

E. Results

Class J

Breeding selection report DE-7-45-646-2018-K

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Performance of the sisters

Amount of checked sisters: 5

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 ndex
DE-7-201-50-2018-K	DE-7-201	1	110		110		109		110		108	108	108
DE-7-45-649-2018	IT-20-35	1	113		108		115		110		108	109	112
DE-7-45-647-2018	IT-20-108	1	111		104		115		111		108	106	111
DE-7-45-646-2018-K	IT-20-110	1	114	29.1	111	4	117	3.4	107	4	108	110	113
DE-7-45-612-2018	UA-1-6	7	113		110		114		106		112	(109)	112