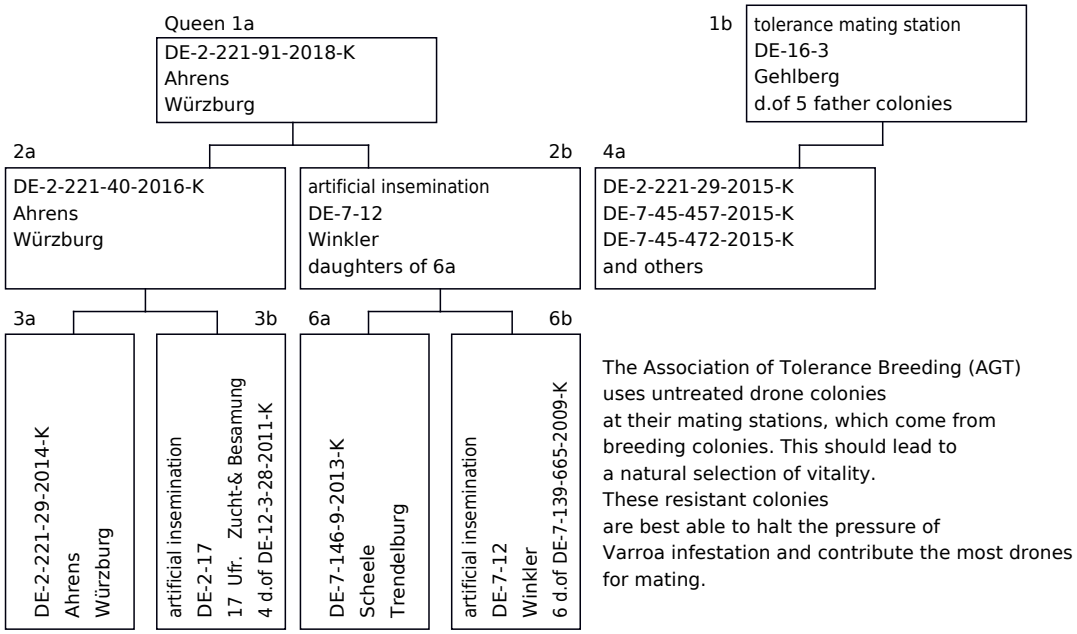
DEUTSCHER IMKERBUND E.V.

Breeding selection report
DE-2-221-91-2018-K

LVBI

Tester of the queen:	Ahrens, Dirk, 97074 Würzburg, DE-2-221, Apiary 1	
Breeder of the queen:	Ahrens, Dirk, 97074 Würzburg, DE-2-221	
1a Studbook number:	**DE-2-221-91-2018-K**	
		Daughters of
Race line: -70	Sign: red 37	Queen: 1.1%
Generation: 3	Hatch date: 23.06.2018	Workers: 2.8%

A. Pedigree



The Association of Tolerance Breeding (AGT) uses untreated drone colonies at their mating stations, which come from breeding colonies. This should lead to a natural selection of vitality. These resistant colonies are best able to halt the pressure of Varroa infestation and contribute the most drones for mating.

B. Own performance

	No. of the colony 54			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	41.9	121.3	1	17	34.5

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	114	
Honey yield	-	110	0.37
Defensive behavior	3	107	0.51
Steadiness on comb	3.20	104	0.51
Swarming drive	3	101	0.38
Varroa	-	116	0.27
Performance index	-	105	0.43
Robustness in winter	3		
Development in Spring	3.50		
Colony strength	4		

70% 100% 170%

[1]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.

22.04.2020

For the correctness DE-2

Breeding selection report DE-2-221-91-2018-K

Page 2

Performance of the sisters

Amount of checked sisters: 7

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 during inspection	Swarming drive	Breeding Value Swarming drive	Varroa-index	Performance ndex
DE-2-221-94-2018	DE-2-176	4	114		102		107		99		105	122	101
DE-2-221-87-2018	DE-2-221	1	115	27.1	102	3.3	109	3.1	105	2.5	98	121	103
DE-2-221-89-2018**	DE-2-221	1	118		(107)		(111)		(108)		(104)	(121)	108
DE-2-221-90-2018	DE-2-221	1	119	37.3	108	3.1	109	3.5	108	4	106	124	108
DE-2-221-91-2018-K	DE-2-221	1	114	41.9	110	3	107	3.2	104	3	101	116	105
DE-2-221-92-2018	DE-2-221	1	119	39.9	109	3.6	113	3.4	108	4	106	122	110
DE-2-313-96-2018-K	DE-7-322	1	114		103		106		104		107	117	105

Colony without performance tests