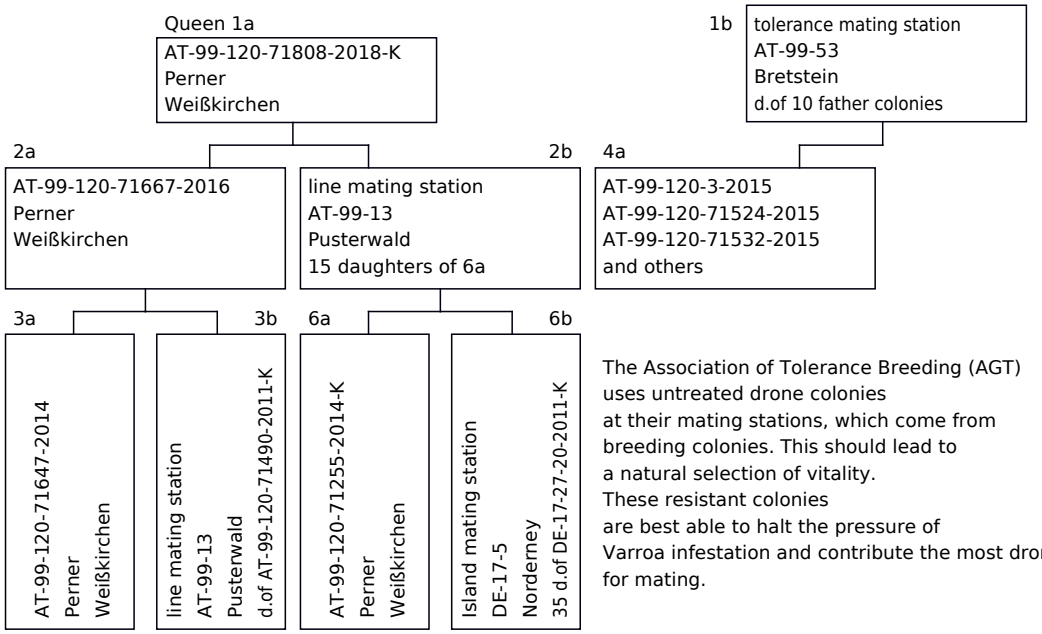
DEUTSCHER IMKERBUND E.V.

Breeding selection report
AT-99-120-71808-2018-K

Tester of the queen:	BZZ Bantin, Landesverband der Imker M-V, 19246 Zarrentin, DE-8-1, Apiary 2	
Breeder of the queen:	Perner, Karl, 8741 Weißkirchen, AT-99-120	
1a Studbook number:	**AT-99-120-71808-2018-K**	
		Daughters of
Race line:	Sign: red 27	Queen: 4.1%
Generation:	Hatch date:	Workers: 9.8%

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 85			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	42.6	112.4	1	9	37.9

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	119	
Honey yield	-	113	0.48
Defensive behavior	3.50	107	0.59
Steadiness on comb	4	108	0.59
Swarming drive	3.50	118	0.48
Varroa	-	117	0.28
Performance index	-	112	0.55
Robustness in winter	4		
Development in Spring	3		
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.

20.02.2020

For the correctness DE-8

Breeding selection report AT-99-120-71808-2018-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	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
AT-99-120-71808-2018-K	DE-8-1	2	119	42.6	113	3.5	107	4	108	3.5	118	117	112
AT-99-120-71396-2018	UA-1-5	6	115		108		108		107 inspection		113	113*	110
AT-99-120-71400-2018	UA-1-5	6	116		111		105		105		113	115*	109
AT-99-120-71740-2018	UA-1-5	6	112		106		100		99		112	(115)	104
AT-99-120-71399-2018	UA-1-6	7	114		106		104		103		112	(115)	107

Only one Varroa trait was recorded