

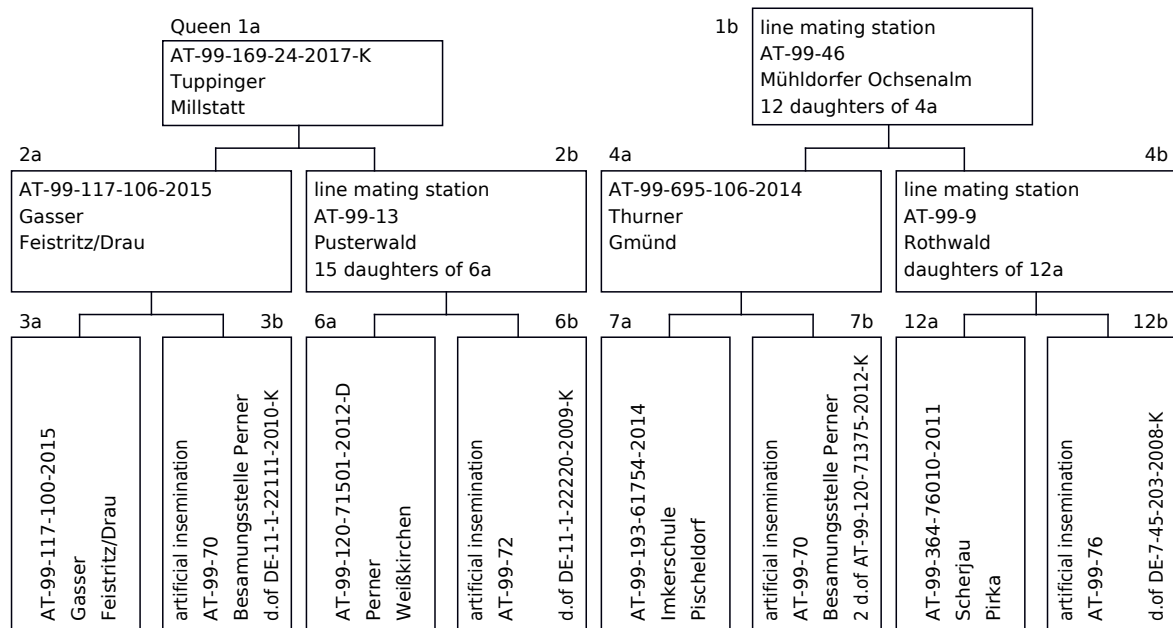
Breeding selection report

AT-99-169-24-2017-K

Tester of the queen: Tuppinger, Jörg, 9872 Millstatt, AT-99-169, Apiary 2
 Breeder of the queen: Tuppinger, Jörg, 9872 Millstatt, AT-99-169
1a Studbook number: **AT-99-169-24-2017-K**

Race line: -106 Sign: yellow 24 Daughters of Queen: 3.2%
 Generation: Hatch date: 20.06.2017 Workers: 0.7%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 24			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	54	151.3	1	16	35.7
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	107			
Honey yield	-	110			0.32
Defensive behavior	3	106			0.46
Steadiness on comb	4	109			0.46
Swarming drive	4	104			0.31
Varroa	-	101			0.25
Performance index	-	108			0.37
Robustness in winter	4		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.

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Performance of the sisters

Amount of checked sisters: 16

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	Varroa-index	Performance index
AT-99-169-21-2017	AT-99-169	2	82	32	89	2	89	2	89	4	89	88	80
AT-99-169-22-2017	AT-99-169	2	83	33	90	3	88	3	88	4	88	82	86
AT-99-169-23-2017	AT-99-169	2	87	39	91	3	88	3	88	4	88	89	87
AT-99-169-24-2017-K	AT-99-169	2	107	54	110	3	106	4	109	4	104	101	108
AT-99-169-25-2017	AT-99-169	2	84	33	90	3	88	3	88	4	88	84	86
AT-99-169-26-2017	AT-99-169	2	87	38	92	3	87	3	88	4	89	90	87
AT-99-169-27-2017	AT-99-169	2	87	43	93	3	87	3	87	4	90	88	87
AT-99-169-28-2017	AT-99-169	2	87	45	94	3	86	3	86	4	90	89	87
AT-99-169-29-2017	AT-99-169	2	89	36	91	3	88	3	88	4	88	93	87
AT-99-169-30-2017	AT-99-169	2	85	29	88	3	89	3	89	4	87	86	86
AT-99-169-31-2017	AT-99-169	2	88	31	89	3	89	3	89	4	87	93	86
AT-99-169-32-2017	AT-99-169	2	83	37	91	3	88	3	88	4	89	81	87
AT-99-169-33-2017	AT-99-169	2	86	26	87	3	89	3	90	4	86	89	86
AT-99-169-34-2017	AT-99-169	2	87	38	92	3	87	3	88	4	89	89	87
AT-99-169-35-2017	AT-99-169	2	83	18	83	3	91	3	91	3	75	87*	82
AT-99-169-36-2017	AT-99-169	2	89	39	92	3	90	4	92	4	90	91	89

Only one Varroa trait was recorded