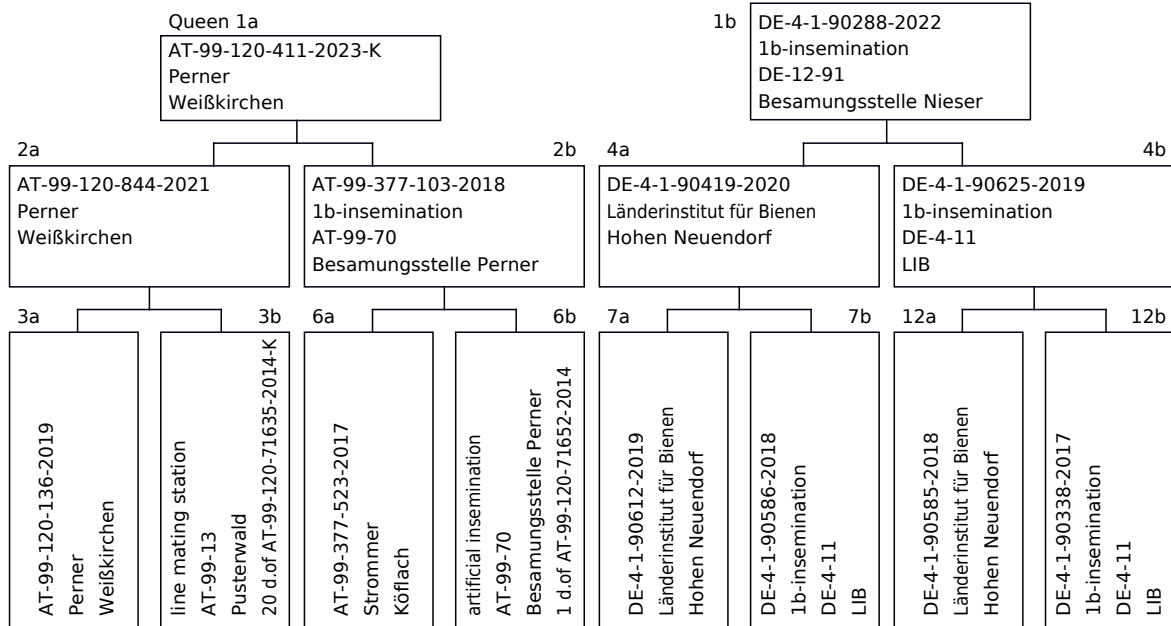


Tester of the queen: Nieser, Frank, 66399 Mandelbachtal, DE-12-1, Apiary 1
 Breeder of the queen: Perner, Karl, 8741 Weißkirchen, AT-99-120
1a Studbook number: **AT-99-120-411-2023-K**

Race line: -Carnica Sign: red 24 Daughters of Queen: 5.9%
 Generation: 4 Hatch date: 19.072023 Workers: 0.6%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 6			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	27	99.4	7	15	27.2
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	117			
Honey yield	-	93			
Defensive behavior	3.40	95			
Steadiness on comb	3.40	92			
Swarming drive	4	104			
Varroa	-	138			
Performance index	-	95			
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength					

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 AT-99-120-411-2023-K

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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 Behavior	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
AT-99-120-409-2023	DE-12-1	1	115	22	90	3.2	93	3.2	93	4	104	137	93
AT-99-120-410-2023	DE-12-1	1	117	27	93	3.5	96	3.5	95	4	104	137	96
AT-99-120-411-2023-K	DE-12-1	1	117	27	93	3.4	95	3.4	92	4	104	138	95
AT-99-120-412-2023	DE-12-1	1	114	20	89	3.2	93	3.2	91	4	102	135	93