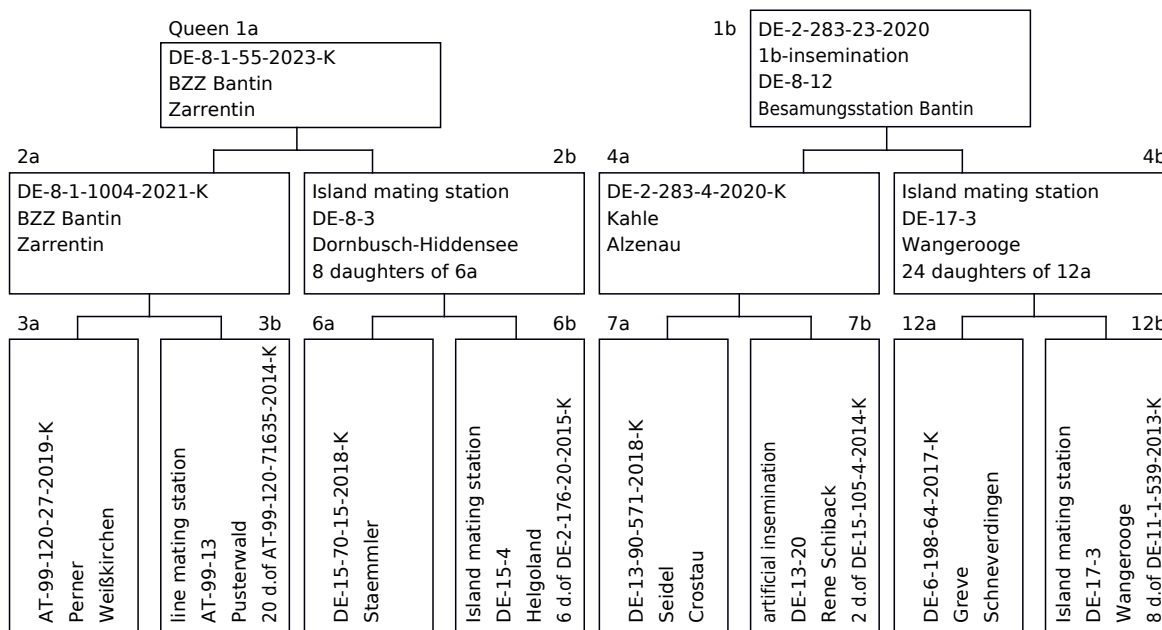


Tester of the queen: Prüfstelle des BZZ, Landesverband der Imker M-V, 19246 Zarrentin, DE-8-2, Apiary 4
Breeder of the queen: BZZ Bantin, Landesverband der Imker M-V, 19246 Zarrentin, DE-8-1
1a Studbook number: **DE-8-1-55-2023-K**

Race line: Sign: red 74 Daughters of Queen: 0.9%
Generation: Hatch date: Workers: 1.0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 188			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	113.4	115.7	2	9	98.0
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	113			
Honey yield	-	121			0.41
Defensive behavior	4	110			0.54
Steadiness on comb	4	112			0.53
Swarming drive	4	116			0.42
Varroa	-	101			0.43
Performance index	-	117			0.41
Robustness in winter			70%	100%	170%
Development in Spring	3.70				
Colony strength	3.80				

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 DE-8-1-55-2023-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-8-1-58-2023	DE-8-2	1	111	80.1	117	3.7	109	3.6	109	4	113	101	115
DE-8-1-60-2023-K	DE-8-2	1	113	117.2	120	3.9	109	3.7	109	3	113	105	115
DE-8-1-56-2023	DE-8-2	2	109	93.2	119	4	111	3.9	112	3	113	96	116
DE-8-1-57-2023	DE-8-2	2	108	67.3	111	4	111	3.8	112	1	101	(100)	110
DE-8-1-55-2023-K	DE-8-2	4	113	113.4	121	4	110	4	112	4	116	101	117