



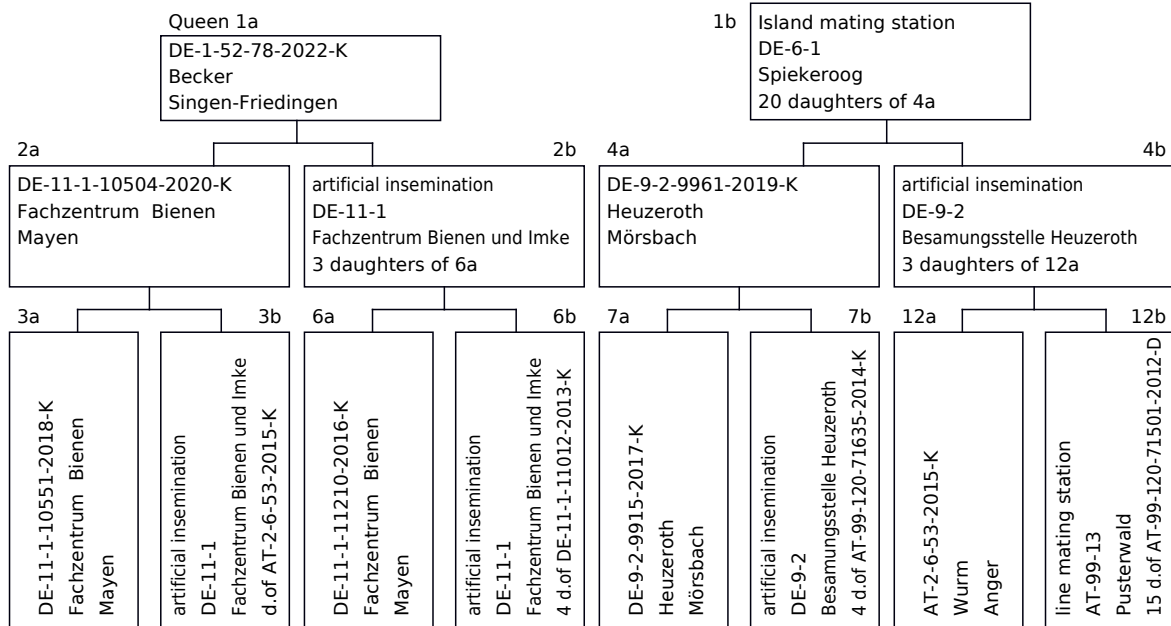
Tester of the queen: Becker, Joachim, 78224 Singen-Friedingen, DE-1-52, Apiary 1
 Breeder of the queen: Becker, Joachim, 78224 Singen-Friedingen, DE-1-52
1a Studbook number: **DE-1-52-78-2022-K**

Race line: -Carnica
 Generation:

Sign: yellow 78
 Hatch date: 21.06.2022

Daughters of
 Queen: 6.8%
 Workers: 5.9%

A. Pedigree



B. Own performance

Performance test year	No. of the colony V9			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	26.5	106.8	3	6	24.8
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	122			
Honey yield	-	109			0.53
Defensive behavior	4	117			0.56
Steadiness on comb	4	118			0.56
Swarming drive	4	126			0.53
Varroa	-	116			0.59
Performance index	-	121			0.53
Robustness in winter	3.50		70%	100%	170%
Development in Spring	3.50				
Colony strength	3.50				

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-1-52-78-2022-K

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Performance of the sisters

Amount of checked sisters: 14

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
DE-1-52-77-2022	DE-1-52	1	120	16	106	4	106	4	118	4	125	113	119
DE-1-52-78-2022-K	DE-1-52	1	122	26.5	109	4	117	4	118	4	126	116	121
DE-1-52-82-2022-K	DE-1-52	1	122	17	106	4	116	4	118	4	125	118	119
DE-1-52-58-2022	DE-1-52	2	122	25.5	108	4	117	4	118	4	125	116	120
DE-1-52-68-2022	DE-1-52	2	122	37.5	112	4	117	4	119	4	126	114	122
DE-1-52-74-2022	DE-1-52	2	122	29.2	109	4	117	4	118	4	126	115	121
DE-1-52-76-2022	DE-1-52	2	122	21	107	4	116	4	118	4	125	116	119
DE-11-1-22879-2022-K	DE-11-1	31	123		111		114		114		125	119	119
DE-11-1-22875-2022	DE-11-160	1	122		110		116		116		125	116	120
DE-11-1-22876-2022	DE-11-160	1	124		112		119		121		126	118	123
DE-11-1-22877-2022	DE-11-160	1	121		109		119		121		126	111	122
DE-11-1-22865-2022	DE-11-171	1	124		111		119		120		129	116	123
DE-11-1-22866-2022	DE-11-171	1	122		104		119		120		129	113	122
DE-11-1-22867-2022	DE-11-171	1	123		111		117		117		129	115	122