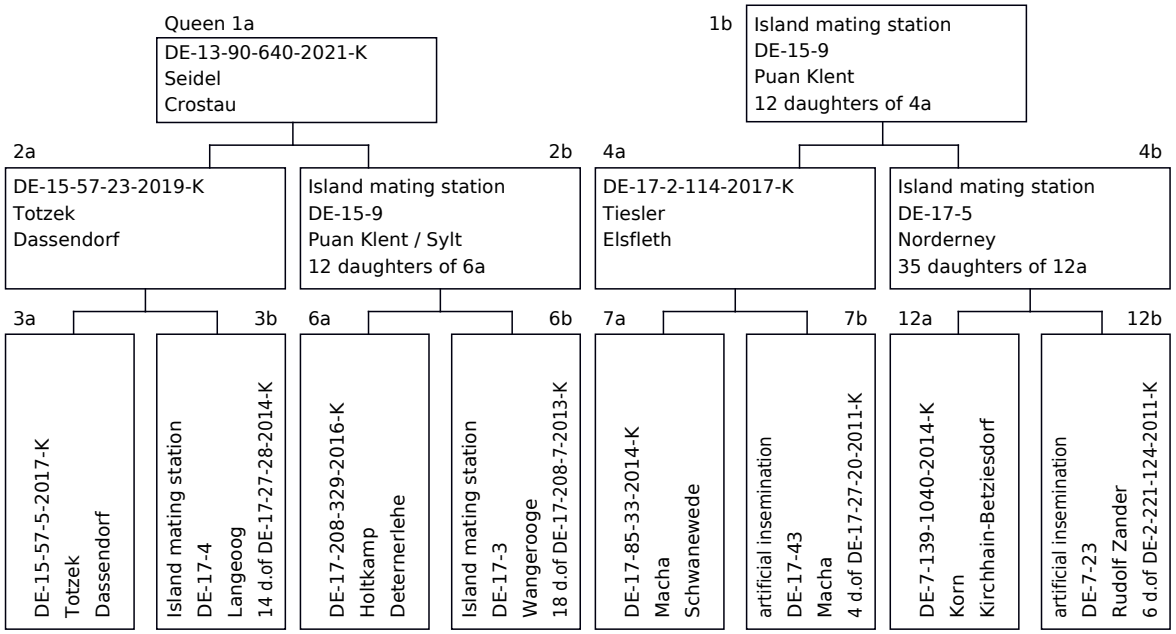
Breeding selection report
DE-13-90-640-2021-K

Tester of the queen:	Seidel, Gerd, 02681 Crostau, DE-13-90, Apiary 1	
Breeder of the queen:	Seidel, Gerd, 02681 Crostau, DE-13-90	
1a Studbook number:	**DE-13-90-640-2021-K**	
		Daughters of
Race line: -C-Peschetz	Sign: white 12	Queen: 2.9%
Generation: 0	Hatch date: 02.06.2021	Workers: 4.4%

A. Pedigree



B. Own performance

	No. of the colony 31			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	47.8	89.4	9	14	53.5

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	118	
Honey yield	-	113	0.48
Defensive behavior	4	117	0.56
Steadiness on comb	4	116	0.56
Swarming drive	4	113	0.53
Varroa	-	114	0.53
Performance index	-	117	0.48
Robustness in winter	3.50		
Development in Spring	3.90		
Colony strength	3.50		

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.

11.04.2023

For the correctness DE-13

Breeding selection report DE-13-90-640-2021-K

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Performance of the sisters

Amount of checked sisters: 23

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 drive	Varroa-index	Performance ndex
DE-15-57-44-2021	AT-99-205	1	106		100		105		109		102	(106)	103
DE-15-57-45-2021	AT-99-205	1	104		103		99		97		102	(106)	100
DE-13-90-638-2021	DE-13-90	1	115	33.4	108	3.9	114	3.5	111	3.8	111	112	113
DE-13-90-639-2021	DE-13-90	1	116	44.3	112	3.7	114	3.7	112	4	112	112	114
DE-13-90-640-2021-K	DE-13-90	1	118	47.8	113	4	117	4	116	4	113	114	117
DE-15-57-20-2021	DE-15-57	1	117		112		113		111		112	114	114
DE-15-57-21-2021	DE-15-57	1	118		115		115		113		113	114	116
DE-15-57-22-2021-K	DE-15-57	1	120		118		115		114		113	117	117
DE-15-57-23-2021	DE-15-57	1	115		108		112		111		110	113	112
DE-15-57-24-2021	DE-15-57	1	115		113		111		110		112	112*	113
DE-15-57-25-2021	DE-15-57	1	116		113		113		112		111	112	114
DE-15-249-1-2021	DE-15-249	1	117		113		112		111		113	115	114
DE-15-249-2-2021	DE-15-249	1	116		112		114		112		113	112	115
DE-15-249-3-2021	DE-15-249	1	116		116		112		111		112	112	115
DE-15-249-4-2021	DE-15-249	1	117		115		114		112		113	112	116
DE-15-249-5-2021	DE-15-249	1	113		107		110		109		106	114	109
DE-15-249-6-2021	DE-15-249	1	117		110		113		112		113	115	114
DE-15-249-7-2021	DE-15-249	1	117		116		113		112		112	112	115
DE-15-249-8-2021	DE-15-249	1	115		113		111		110		110	111	113
DE-15-249-9-2021	DE-15-249	1	117		112		114		113		113	113	115
DE-15-249-10-2021	DE-15-249	1	116		112		114		112		109	113	114
DE-15-249-11-2021-K	DE-15-249	1	120		119		115		113		113	117	117
DE-15-249-12-2021	DE-15-249	1	119		117		114		112		113	116	116

Only one Varroa trait was recorded