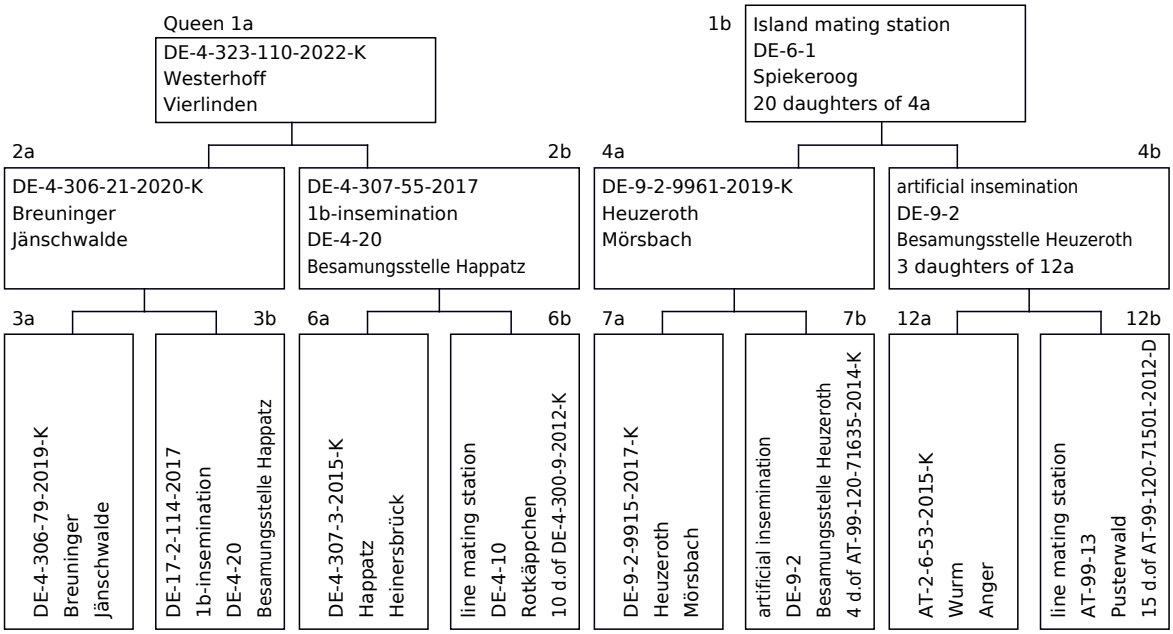
Breeding selection report
DE-4-323-110-2022-K

Tester of the queen:	Westerhoff, Ansgar, 15306 Vierlinden, DE-4-323, Apiary 1	
Breeder of the queen:	Westerhoff, Ansgar, 15306 Vierlinden, DE-4-323	
1a Studbook number:	**DE-4-323-110-2022-K**	
Race line:	Sign: yellow	Daughters of Queen: 6.0%
Generation:	Hatch date:	Workers: 0.6%

A. Pedigree



B. Own performance

	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	40.3	128.5	4	14	31.4

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	123	
Honey yield	-	123	0.57
Defensive behavior	3.80	117	0.68
Steadiness on comb	3.70	119	0.68
Swarming drive	3.60	109	0.64
Varroa	-	118	0.66
Performance index	-	120	0.57
Robustness in winter	3		
Development in Spring	3.50		
Colony strength	3.70		

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.

21.05.2024

For the correctness DE-4

Breeding selection report DE-4-323-110-2022-K

Page 2

Performance of the sisters

Amount of checked sisters: 19

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-4-306-38-2022	DE-4-306	1	124		124		119		122		112	116	123
DE-4-306-120-2022	DE-4-306	1	124		124		119		122		112	116	123
DE-4-306-121-2022	DE-4-306	1	124		124		119		122		112	116	123
DE-4-306-123-2022-K	DE-4-306	1	124		124		119		122		112	116	123
DE-4-306-139-2022	DE-4-307	1	123		123		117		119		112	116	121
DE-4-323-101-2022-K	DE-4-323	1	124	59	125	3.8	117	3.7	119	3.6	109	119	121
DE-4-323-104-2022	DE-4-323	1	119	35	122	3.9	117	3.7	120	3.5	109	110	120
DE-4-323-106-2022	DE-4-323	1	120	40.6	123	3.7	117	3.8	120	3.7	110	113	120
DE-4-323-108-2022	DE-4-323	1	120	39.7	122	3.8	116	3.5	118	3.6	109	113*	120
DE-4-323-110-2022-K	DE-4-323	1	123	40.3	123	3.8	117	3.7	119	3.6	109	118	120
DE-4-323-111-2022	DE-4-323	1	121	17	120	3.5	115	3.6	118	3.6	109	116	119
DE-4-323-112-2022	DE-4-323	1	122	7.8	119	3.8	117	3.6	119	3.8	110	116	119
DE-4-323-113-2022	DE-4-323	1	124	14.3	120	3.9	118	3.7	120	3.9	111	119	120
DE-4-323-114-2022	DE-4-323	1	119	14.2	120	3.9	117	3.5	119	3.9	110	111	120
DE-4-323-3018-2022	DE-4-323	3	121	53	121	3.8	117	3.8	120	3.8	110	114	120
DE-4-323-3019-2022	DE-4-323	3	121	71.8	123	3.6	116	3.8	119	3.8	109	115	120
DE-4-323-3020-2022	DE-4-323	3	121	68.1	122	3.4	115	3.8	118	3.8	109	115	119
DE-4-323-3021-2022	DE-4-323	3	122	70.9	122	3.8	117	3.7	119	3.6	109	117	120
DE-4-323-3022-2022	DE-4-323	3	122	56	121	3.8	117	3.8	120	3.8	110	117	120

Only one Varroa trait was recorded