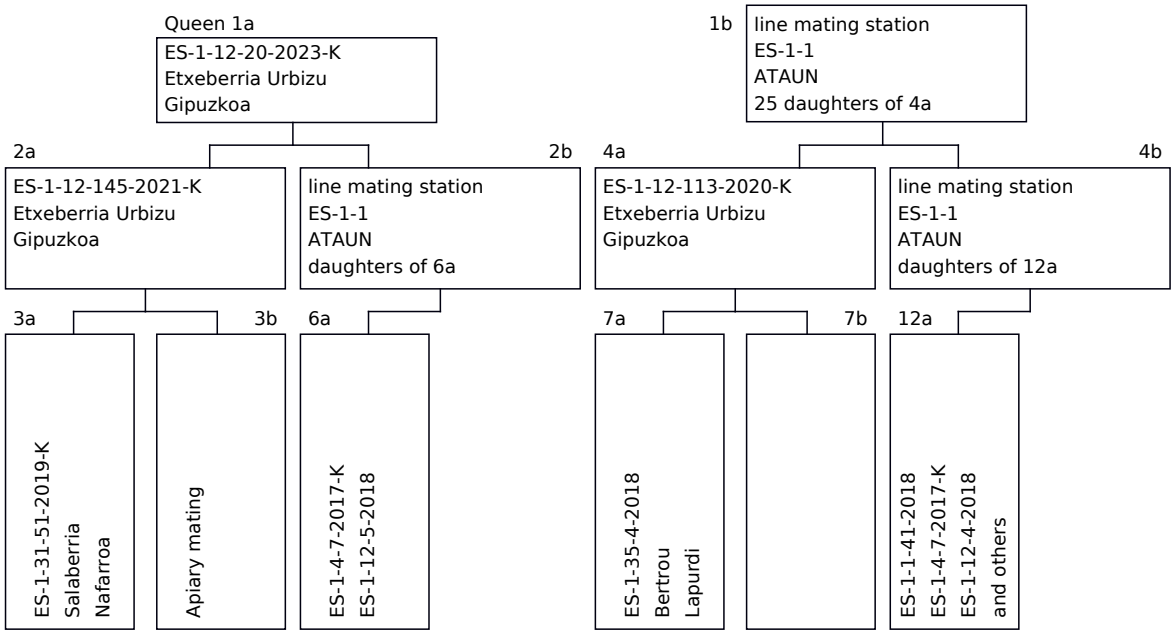
Breeding selection report
ES-1-12-20-2023-K

Tester of the queen:	Lizasoain, Miren, Nafarroa, ES-1-1, Apiary 1	
Breeder of the queen:	Etxeberria Urbizu, Jon, Gipuzkoa, ES-1-12	
1a Studbook number:	**ES-1-12-20-2023-K**	
		Daughters of
Race line:	Sign: red	Queen: 0.0%
Generation:	Hatch date:	Workers: 3.5%

A. Pedigree



B. Own performance

	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	81	159.9	1	9	50.7

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	132	
Honey yield	-	123	0.12
Defensive behavior	2.75	115	0.45
Steadiness on comb	4	117	0.59
Swarming drive	3.50	105	0.26
Varroa	-	120	
Performance index	-	0	
Robustness in winter			
Development in Spring			
Colony strength			

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

none Analysis of race characteristics

E. Results

Class A
Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

24.02.2025

For the correctness ES-1

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Performance of the sisters

Amount of checked sisters: 34

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
ES-1-12-16-2023	ES-1-1	1	111	54	110	2.2	109	4	117	2.7	98	95	
ES-1-12-17-2023	ES-1-1	1	121	69	117	3.4	122	4	117	4	110	86	
ES-1-12-18-2023	ES-1-1	1	116	34	113	3	118	3.8	112	2.8	99	97*	
ES-1-12-19-2023	ES-1-1	1	109	0	113	3	118	3	100	2.5	96	97*	
ES-1-12-20-2023-K	ES-1-1	1	132	81	123	2.8	115	4	117	3.5	105	120	
ES-1-12-109-2023**	ES-1-2	1	117		(113)		(114)		(110)		(103)	(104)	
ES-1-12-110-2023**	ES-1-2	1	117		(113)		(114)		(110)		(103)	(104)	
ES-1-12-111-2023**	ES-1-2	1	117		(113)		(114)		(110)		(103)	(104)	
ES-1-12-112-2023-K	ES-1-2	1	117		113		113		110		104	(104)	
ES-1-12-113-2023	ES-1-4	1	109		113		113		96		103	95	
ES-1-12-114-2023	ES-1-4	1	111		113		113		98		100	103	
ES-1-12-115-2023	ES-1-7	1	112		112		109		105		98	105	
ES-1-12-116-2023**	ES-1-7	1	117		(113)		(114)		(110)		(103)	(104)	
ES-1-12-11-2023	ES-1-9	1	119		113		113		116		107	98*	
ES-1-12-12-2023	ES-1-9	1	122		114		114		109		105	114	
ES-1-12-13-2023	ES-1-9	1	109		115		104		91		100	113	
ES-1-12-14-2023	ES-1-9	1	122		113		121		116		107	98*	
ES-1-12-15-2023	ES-1-9	1	114		113		113		111		99	98*	
ES-1-12-6-2023	ES-1-11	1	118		111		123		113		90	108	
ES-1-12-7-2023	ES-1-11	1	114		115		108		108		104	100	
ES-1-12-8-2023	ES-1-11	1	125		122		123		123		104	90	
ES-1-12-9-2023	ES-1-11	1	126		113		116		108		104	125	
ES-1-12-10-2023	ES-1-11	1	108		98		108		98		104	112	
ES-1-12-43-2023-K	ES-1-22	1	126		115		117		111		108	115	
ES-1-12-44-2023	ES-1-22	1	126		113		120		117		108	106	
ES-1-12-174-2023-K	ES-1-27	1	128		119		117		126		103	106*	
ES-1-12-175-2023**	ES-1-27	1	117		(113)		(114)		(110)		(103)	(104)	
ES-1-12-176-2023**	ES-1-27	1	117		(113)		(114)		(110)		(103)	(104)	
ES-1-12-177-2023**	ES-1-27	1	117		(113)		(114)		(110)		(103)	(104)	
ES-1-12-1-2023	ES-1-34	1	130		113		123		122		114	104*	
ES-1-12-2-2023	ES-1-34	1	120		113		111		122		99	104*	
ES-1-12-3-2023	ES-1-34	1	110		113		111		97		99	104*	
ES-1-12-4-2023**	ES-1-34	1	117		(113)		(114)		(110)		(103)	(104)	
ES-1-12-5-2023	ES-1-34	1	110		113		111		97		99	104*	

Only one Varroa trait was recorded

Colony without performance tests