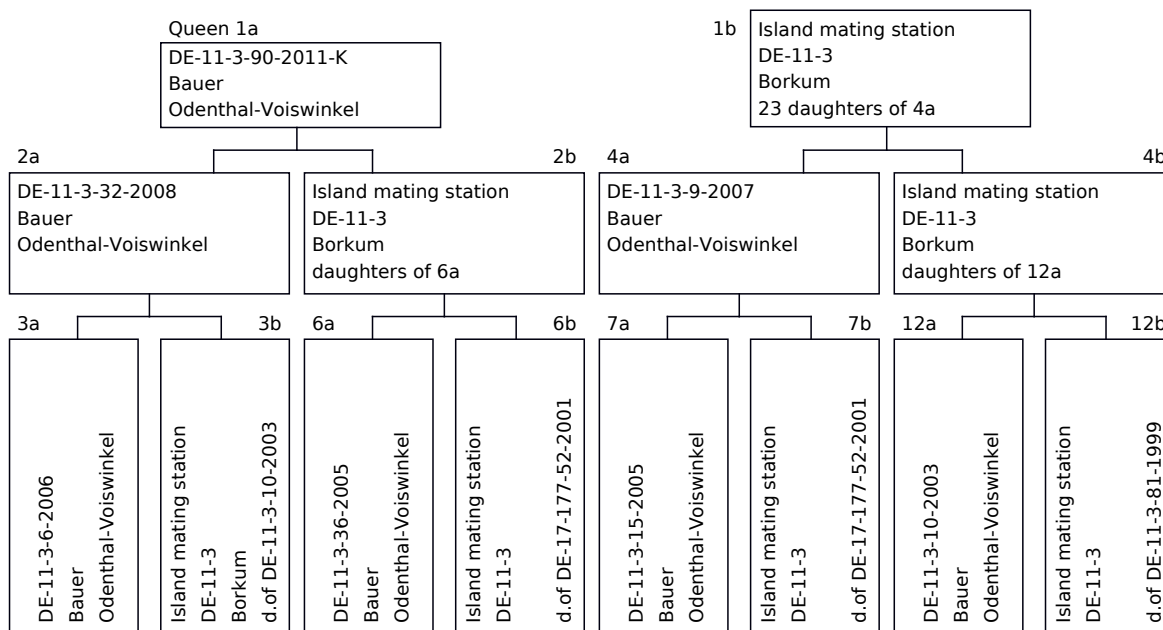


Tester of the queen: Uhlenbruck, Eckhard, 46569 Hünxe, DE-11-70, Apiary 2
 Breeder of the queen: Bauer, Rudi, 51519 Odenthal-Voismwinkel, DE-11-3
1a Studbook number: **DE-11-3-90-2011-K**

Race line: -15 Sign: white 18 Daughters of Queen: 6.4%
 Generation: 1 Hatch date: 01.06.2011 Workers: 8.2%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	49	107.5	4	12	45.6
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	112			
Honey yield	-	109			0.45
Defensive behavior	4	112			0.65
Steadiness on comb	4	112			0.67
Swarming drive	4	103			0.43
Varroa	-	109			0.54
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength					

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-11-3-90-2011-K

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Performance of the sisters

Amount of checked sisters: 9

Studbook number	Tester of the queen	Apiary	Total breeding value	Yield kg	Breeding Value Honey	Defensive behavior	Breeding Value Defensive	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance ndex
DE-11-3-90-2011-K	DE-11-70	2	112	49	109	4	112	4	112	4	103	109	
DE-11-3-30-2010	DE-11-3	15	100		101		101		inspection 102		87	(103)	
DE-11-3-31-2010	DE-11-3	15	110		108		114		114		96	(106)	
DE-11-3-32-2010	DE-11-3	15	98		100		101		101		89	(101)	
DE-11-3-33-2010	DE-11-3	15	110		110		110		110		102	(108)	
DE-11-3-34-2010	DE-11-3	15	103		97		109		109		92	(104)	
DE-11-3-35-2010	DE-11-3	15	100		106		98		98		93	(101)	
DE-11-3-36-2010	DE-11-3	15	91		91		93		93		81	(99)	
DE-11-3-37-2010	DE-11-3	15	105		103		109		110		93	(103)	