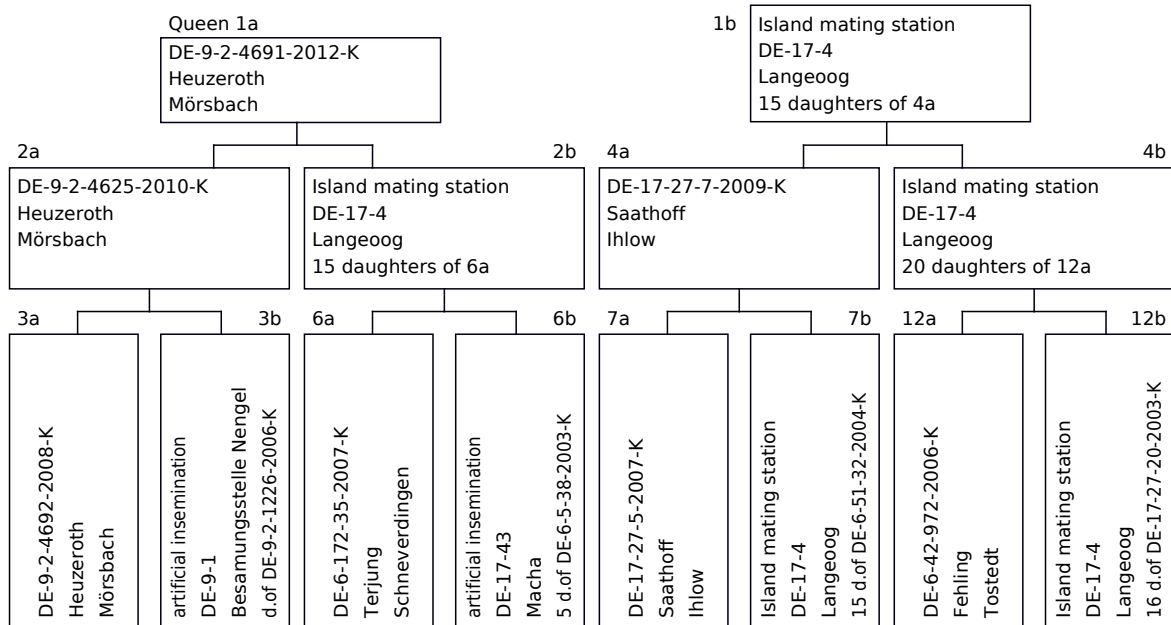


Tester of the queen: Heuzeroth, Siegfried, 57629 Mörsbach, DE-9-2, Apiary 2
 Breeder of the queen: Heuzeroth, Siegfried, 57629 Mörsbach, DE-9-2
1a Studbook number: **DE-9-2-4691-2012-K**

Race line: -1 Sign: yellow 91 Daughters of Queen: 0.1%
 Generation: 4 Hatch date: 04.06.2012 Workers: 0.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 23			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	60.1	106.8	5	11	56.3
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	127			
Honey yield	-	115			0.41
Defensive behavior	4	119			0.62
Steadiness on comb	4	117			0.64
Swarming drive	4	114			0.42
Varroa	-	128			0.52
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-9-2-4691-2012-K

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Performance of the sisters

Amount of checked sisters: 12

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-9-2-4661-2012	DE-6-5	4	105		106		Behavior		109		108	108*	
DE-9-2-4693-2012	DE-6-5	4	111		114		106		inspection		106	109*	
DE-9-2-4695-2012	DE-6-5	4	116		113		111		110		115	112*	
DE-9-2-4681-2012-K	DE-9-2	2	123	66.1	119	3.9	113	3.9	111	3.9	112	123	
DE-9-2-4682-2012	DE-9-2	2	107	46	97	3.7	99	3.7	97	4	102	115	
DE-9-2-4683-2012-K	DE-9-2	2	129	63.6	118	4	119	4	117	4	115	130	
DE-9-2-4685-2012	DE-9-2	2	90	37.5	86	3.6	90	3.4	90	4	100	93	
DE-9-2-4688-2012	DE-9-2	2	95	54.6	104	3.7	98	3.6	100	3.2	99	90	
DE-9-2-4689-2012	DE-9-2	2	96	59.2	106	3.7	92	3.2	93	2.1	90	100	
DE-9-2-4691-2012-K	DE-9-2	2	127	60.1	115	4	119	4	117	4	114	128	
DE-9-2-4680-2012	DE-12-1	1	113		104		116		115		94	115	
DE-9-2-4690-2012	DE-12-1	1	111		113		108		108		106	108	

Only one Varroa trait was recorded