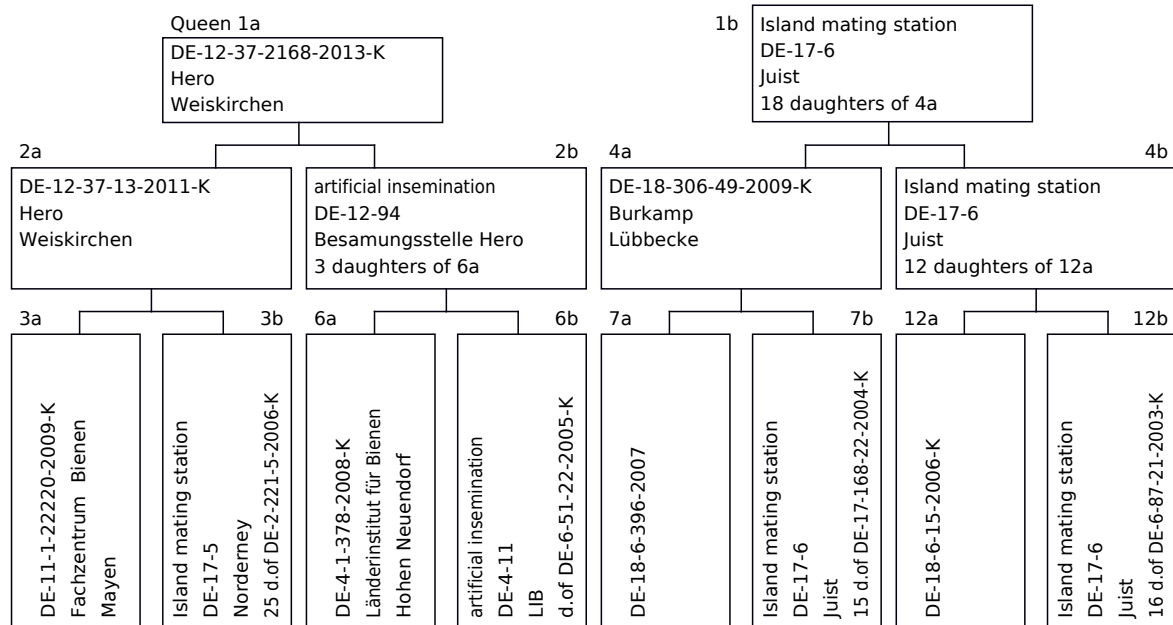


Tester of the queen: Hero, Horst, 66709 Weiskirchen, DE-12-37, Apiary 1
 Breeder of the queen: Hero, Horst, 66709 Weiskirchen, DE-12-37
1a Studbook number: **DE-12-37-2168-2013-K**

Race line: Sign: red 79 Daughters of Queen: 0.1%
 Generation: 2 Hatch date: 11.7.2013 Workers: 0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony PV 2.5.			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	65.7	110.6	6	14	59.4
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	126			
Honey yield	-	112			
Defensive behavior	3.80	120			
Steadiness on comb	3.80	117			
Swarming drive	4	111			
Varroa	-	128			
Performance index	-	0			
Robustness in winter	4	70% 100% 170%			
Development in Spring	4				
Colony strength	4				

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-12-37-2168-2013-K

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Performance of the sisters

Amount of checked sisters: 5

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	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-12-37-2167-2013	DE-12-37	1	118	69.6	113	3.8	113	3.7	117	3	117	117	
DE-12-37-2168-2013-K	DE-12-37	1	126	65.7	112	3.8	120	3.8	117	4	111	128	
DE-12-37-2170-2013-K	DE-12-37	1	125	75.3	120	3.8	121	3.8	120	4	116	119	
DE-12-37-2171-2013	DE-12-37	1	105	59.5	103	3.5	103	3.6	104	4	107	103	
DE-12-37-2172-2013	DE-12-37	1	98	54.3	97	3.5	101	3.5	101	3	92	100	