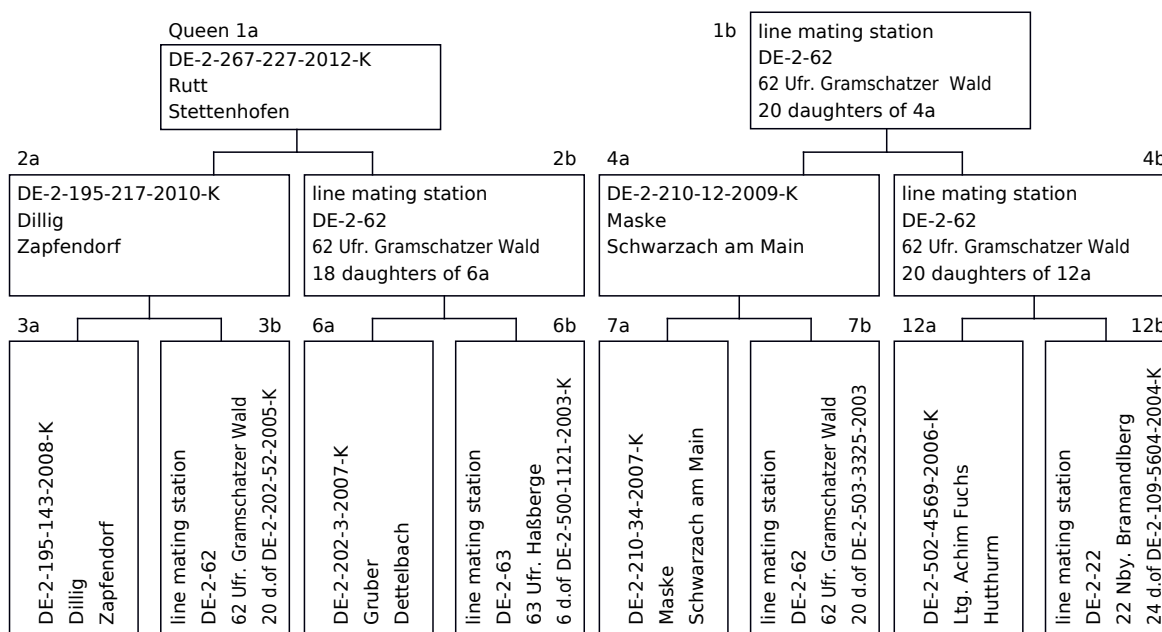


Tester of the queen: Rutt, Christian, 86462 Stettenhofen, DE-2-267, Apiary 24
 Breeder of the queen: Rutt, Christian, 86462 Stettenhofen, DE-2-267
1a Studbook number: **DE-2-267-227-2012-K**

Race line: Sign: yellow Daughters of Queen: 4.8%
 Generation: Hatch date: Workers: 2%

A. Pedigree



B. Own performance

Performance test year	No. of the colony ZV			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	5	100	2	2	5
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	103			
Honey yield	-	107			0.29
Defensive behavior	-	(104)			0.16
Steadiness on comb	-	(105)			0.23
Swarming drive	-	(99)			0.25
Varroa	-	(100)			0.23
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 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).

Breeding selection report DE-2-267-227-2012-K

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Performance of the sisters

Amount of checked sisters: 7

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-2-195-190-2012-K	DE-2-195	1	112		118		118		118		118	(103)	
DE-2-195-194-2012	DE-2-195	1	93		102		94		95		80	(98)	
DE-2-195-206-2012	DE-2-195	1	99		110		95		95		98	(99)	
DE-2-195-221-2012-K	DE-2-195	1	115		118		116		117		111	(107)	
DE-2-195-245-2012	DE-2-195	1	93		100		92		93		93	(95)	
DE-2-195-407-2012	DE-2-195	1	103		110		100		101		100	(101)	
DE-2-267-227-2012-K	DE-2-267	24	103	5	107		(104)		(105)		(99)	(100)	