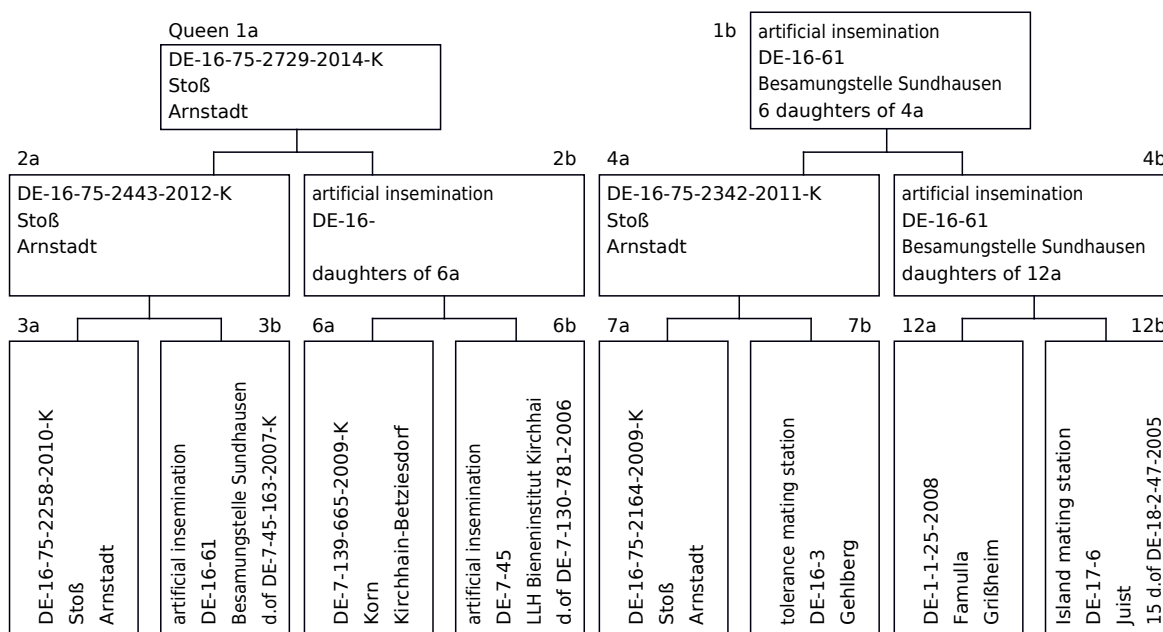


Tester of the queen: Gerhardt, Maik, 99310 Arnstadt, DE-16-345, Apiary 1
 Breeder of the queen: Stoß, Albrecht, 99310 Arnstadt, DE-16-75
1a Studbook number: **DE-16-75-2729-2014-K**

Race line: Sign: green 99 Daughters of Queen: 0.4%
 Generation: 30 Hatch date: 01.06.2014 Workers: 0.6%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	39.6	127.6	3	7	31.0
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	111			
Honey yield	-	109			0.38
Defensive behavior	3.80	108			0.56
Steadiness on comb	3.30	107			0.59
Swarming drive	3.80	106			0.38
Varroa	-	110			0.48
Performance index	-	0			
Robustness in winter	3.20		70%	100%	170%
Development in Spring	3.50				
Colony strength	3.70				

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-16-75-2729-2014-K

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Performance of the sisters

Amount of checked sisters: 16

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 index
DE-16-75-2647-2014	DE-7-45	1	98		91		Behavior		105		94	98*	
DE-16-75-2648-2014	DE-7-45	4	94		87			inspection	105		94	91	
DE-16-75-2646-2014	DE-7-165	1	90		91				91		96	93	
DE-16-75-2643-2014	DE-7-177	1	110		102				112		102	108	
DE-16-75-2644-2014	DE-7-177	1	100		91				87		87	117	
DE-16-75-2650-2014	DE-16-318	1	107		110				105		103	106	
DE-16-75-2651-2014	DE-16-318	1	97		102				101		100	94	
DE-16-75-2652-2014	DE-16-325	9	101		102				96		100	104	
DE-16-75-2649-2014	DE-16-337	11	88		91				85		94	94	
DE-16-75-2659-2014	DE-16-345	1	106	30.5	104	3.6		3.8	112	4	110	98	
DE-16-75-2660-2014	DE-16-345	1	101	25.9	98	3.5		3.6	104	4	106	97	
DE-16-75-2726-2014	DE-16-345	1	105	40.1	107	3.5		3.3	99	4	105	106*	
DE-16-75-2727-2014	DE-16-345	1	97	12	84	3.1		3.1	83	4	88	116	
DE-16-75-2728-2014	DE-16-345	1	82	27.4	94	3.2		3.1	91	3	90	78	
DE-16-75-2729-2014-K	DE-16-345	1	111	39.6	109	3.8		3.3	107	3.8	106	110	
DE-16-75-2655-2014	DE-16-348	2	106		101				99		98	112	

Only one Varroa trait was recorded