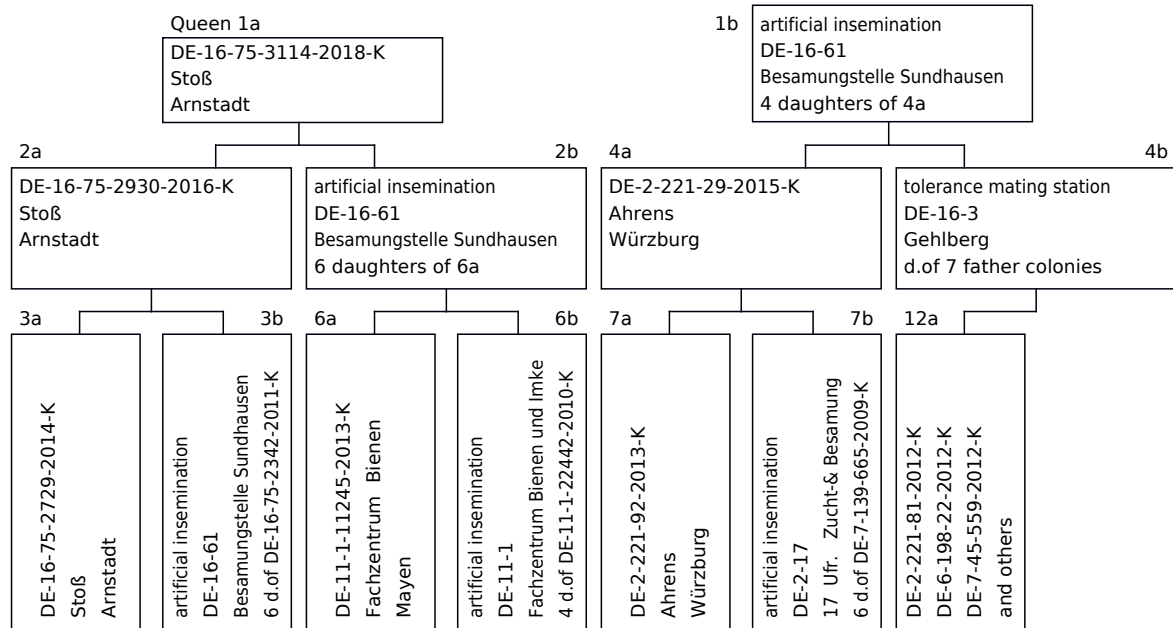


Tester of the queen: Nieser, Frank, 66399 Mandelbachtal, DE-12-1, Apiary 1
 Breeder of the queen: Stoß, Albrecht, 99310 Arnstadt, DE-16-75
1a Studbook number: **DE-16-75-3114-2018-K**

Race line: -TWS68 Sign: red 27 Daughters of Queen: 1.1%
 Generation: 34 Hatch date: 12.06.2018 Workers: 3.2%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 8			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	64	141.9	2	11	45.1
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	124			
Honey yield	-	114			0.41
Defensive behavior	3.30	125			0.54
Steadiness on comb	3.30	122			0.54
Swarming drive	4	109			0.43
Varroa	-	119			0.27
Performance index	-	119			0.5
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-16-75-3114-2018-K

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Performance of the sisters

Amount of checked sisters: 17

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 ndex
DE-16-75-3127-2018-K	DE-7-45	1	122		110		Behavior		122		109	116	117
DE-16-75-3126-2018	DE-7-45	4	124		109				127		111	118	119
DE-16-75-3131-2018	DE-7-172	19	120		108				121		108	116	114
DE-16-75-3132-2018	DE-7-172	19	119		106				120		108	116	113
DE-16-75-3114-2018-K	DE-12-1	1	124	64	114	3.3		3.3	122	4	109	119	119
DE-16-75-3124-2018	DE-12-1	1	122	29	106	3.3		3.3	122	4	109	116	117
DE-16-75-3125-2018-K	DE-12-1	2	125	51	115	3.6		3.6	123	4	109	119	120
DE-16-75-3139-2018	DE-12-1	2	122	30	108	3.4		3.4	120	4	109	117	116
DE-16-75-3121-2018	DE-16-318	1	119		105				120		110	116	113
DE-16-75-3153-2018	DE-16-325	9	123		110				124		108	120	117
DE-16-75-3133-2018-K	DE-16-334	10	122		108				120		110	119	115
DE-16-75-3122-2018	DE-16-336	8	120		111				122		112	114	116
DE-16-75-3118-2018	DE-16-337	11	121		108				124		110	116	116
DE-16-75-3120-2018	DE-16-351	6	119		108				120		110	115	114
DE-16-75-3112-2018	DE-16-369	1	122		115				122		106	118	117
DE-16-75-3135-2018	DE-16-369	1	123		113				121		106	120	115
DE-16-75-3150-2018	DE-16-369	1	119		106				122		111	114	115