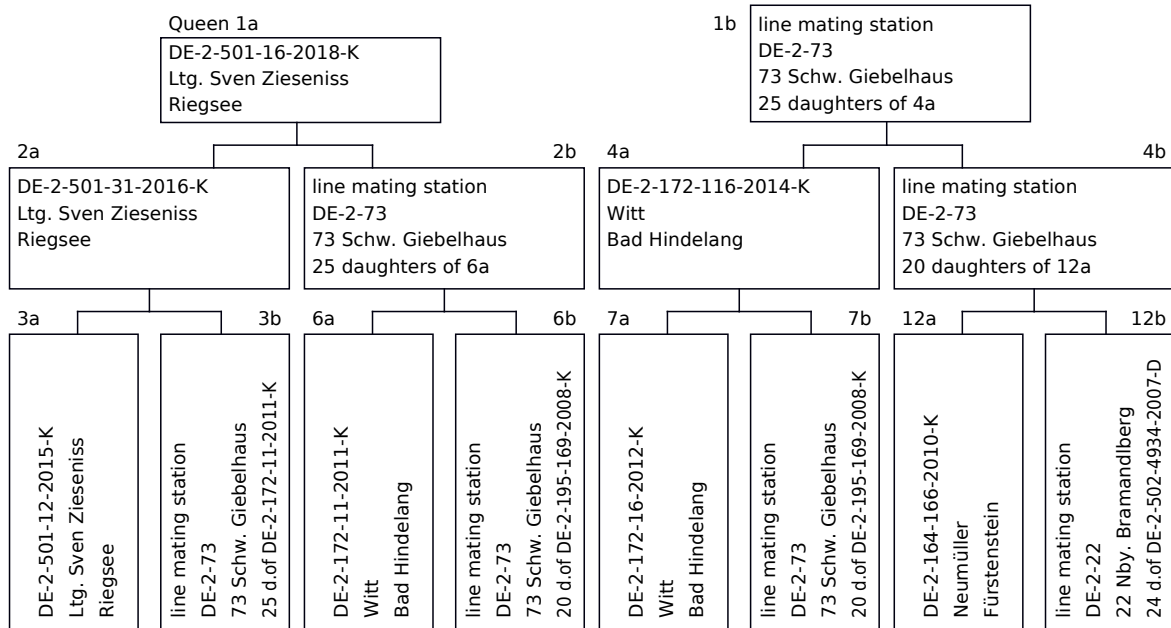


Tester of the queen: Ltg. Achim Fuchs, Prüfhof Kringell, 94116 Hutthurm, DE-2-502, Apiary 2
 Breeder of the queen: Ltg. Sven Zieseniss, Prüfhof Guglhör, 82418 Riegsee, DE-2-501
1a Studbook number: **DE-2-501-16-2018-K**

Race line: Sign: red 26 Daughters of Queen: 12.6%
 Generation: 7 Hatch date: 27.05.2018 Workers: 2.2%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	8.6	80	34	52	10.8	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	108	■			
Honey yield	-	105	■			0.43
Defensive behavior	3	106	■			0.56
Steadiness on comb	2.90	108	■			0.56
Swarming drive	4	102	■			0.45
Varroa	-	106	■			0.29
Performance index	-	106	■			0.49
Robustness in winter	1.50	70% 100% 170%				
Development in Spring	1.50					
Colony strength	1.80					

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-2-501-16-2018-K

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Performance of the sisters

Amount of checked sisters: 20

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-2-189-11-2018	DE-2-189	2	106		105		105		105		105	(106)	103
DE-2-189-12-2018	DE-2-189	2	107		103		107		107		99	(106)	105
DE-2-189-13-2018	DE-2-189	2	105		106		99		102		98	(106)	102
DE-2-189-14-2018	DE-2-189	2	107		106		104		104		101	(106)	104
DE-2-189-15-2018	DE-2-189	2	109		113		106		109		99	(106)	108
DE-2-189-16-2018	DE-2-189	2	105		102		100		102		101	(106)	101
DE-2-189-17-2018	DE-2-189	2	109		107		106		109		101	(106)	107
DE-2-189-18-2018	DE-2-189	2	109		109		102		107		104	(106)	106
DE-2-189-19-2018	DE-2-189	2	108		102		107		109		104	(106)	106
DE-2-189-20-2018	DE-2-189	2	107		104		104		104		101	(106)	104
DE-2-501-1-2018-K	DE-2-502	2	105	9	104	2.4	97	2.2	99	4	101	107	100
DE-2-501-3-2018-K	DE-2-502	2	108	6.2	104	2.5	102	3	107	4	102	106	104
DE-2-501-4-2018	DE-2-502	2	105	6.9	102	3.2	106	2.5	105	4	101	103	104
DE-2-501-5-2018-K	DE-2-502	2	107	5.6	103	2.6	103	3	107	4	102	105	104
DE-2-501-16-2018-K	DE-2-502	2	108	8.6	105	3	106	2.9	108	4	102	106	106
DE-2-501-6-2018	DE-2-503	3	105		103		98		104		89	108	98
DE-2-501-7-2018	DE-2-503	3	106		108		99		102		99	106	102
DE-2-501-8-2018-K	DE-2-503	3	108		106		104		106		104	106	106
DE-2-501-9-2018-K	DE-2-503	3	109		111		105		108		105	105	108
DE-2-501-10-2018-K	DE-2-503	3	107		106		107		108		105	100	107