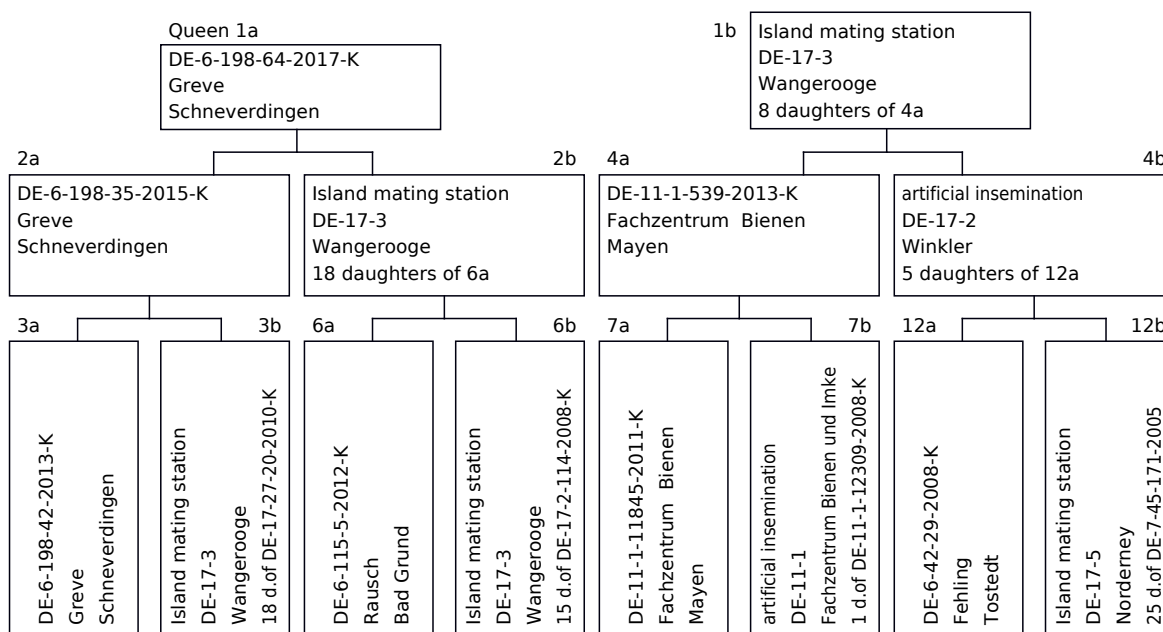


Tester of the queen: Greve, Horst, 29640 Schneverdingen, DE-6-198, Apiary 2
 Breeder of the queen: Greve, Horst, 29640 Schneverdingen, DE-6-198
1a Studbook number: **DE-6-198-64-2017-K**

Race line: -23 Sign: yellow 22 Daughters of Queen: 4.4%
 Generation: 5 Hatch date: 15.06.2017 Workers: 2.3%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 45			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	49.5	145.6	1	19	34.0
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	129			
Honey yield	-	122			0.42
Defensive behavior	4	119			0.63
Steadiness on comb	4	121			0.63
Swarming drive	4	115			0.39
Varroa	-	123			0.37
Performance index	-	0			
Robustness in winter	3.80		70%	100%	170%
Development in Spring	3.70				
Colony strength	3.80				

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-6-198-64-2017-K

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Performance of the sisters

Amount of checked sisters: 35

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
AT-99-671-701-2017	AT-99-671	1	100		99		Behavior		drag		dgge	101	98
DE-6-198-58-2017	DE-6-198	1	119	39.8	111	3.8	114	3.9	inspection 116	4	113	113	
DE-6-198-59-2017	DE-6-198	1	116	36.1	107	3.8	109	3.6	109	4	112	116	
DE-6-198-60-2017	DE-6-198	1	114	32.7	104	3.6	101	3.5	102	4	110	121	
DE-6-198-61-2017	DE-6-198	1	105	35.3	107	3.6	99	3.4	99	3.9	105	105	
DE-6-198-71-2017	DE-6-198	1	125	46.3	118	3.9	118	4	120	4	115	119	
DE-6-198-72-2017	DE-6-198	1	102	27.8	98	3.6	100	3.4	100	3.9	105	103	
DE-6-198-76-2017	DE-6-198	1	113	23.2	93	3.6	106	3.7	108	4	110	119	
DE-6-198-77-2017	DE-6-198	1	115	36.2	107	3.9	116	3.8	116	4	113	106	
DE-6-198-78-2017	DE-6-198	1	106	34.5	105	3.6	101	3.5	102	4	110	104	
DE-6-198-106-2017	DE-6-198	1	126	47.2	119	3.9	118	4	120	4	115	120	
DE-6-198-107-2017	DE-6-198	1	107	27.2	98	3.7	105	3.5	105	3.8	101	110	
DE-6-198-108-2017	DE-6-198	1	123	38.3	109	3.8	114	3.9	116	4	113	123	
DE-6-198-62-2017	DE-6-198	2	106	27.8	99	3.4	97	3.5	100	4	109	111	
DE-6-198-63-2017	DE-6-198	2	124	41.4	114	3.9	116	3.9	117	4	114	121	
DE-6-198-64-2017-K	DE-6-198	2	129	49.5	122	4	119	4	121	4	115	123	
DE-6-198-65-2017	DE-6-198	2	110	32.8	105	3.7	107	3.6	107	4	111	106	
DE-6-198-66-2017-K	DE-6-198	2	115	29.1	101	3.8	113	3.8	114	3.9	106	116	
DE-6-198-79-2017	DE-6-198	2	117	33.4	105	3.6	105	3.7	108	4	111	121	
DE-6-198-80-2017	DE-6-198	2	98	29.7	102	3.5	97	3.3	97	3.9	103	97	
DE-6-198-81-2017	DE-6-198	2	108	28.7	100	3.4	94	3.3	95	4	108	118	
DE-6-198-82-2017	DE-6-198	2	115	33.6	105	3.9	117	3.9	118	4	113	105	
DE-6-198-101-2017	DE-6-198	2	100	23.1	94	3.4	93	3.2	93	4	107	106	
DE-6-198-102-2017	DE-6-198	2	113	34	106	3.7	108	3.7	110	4	111	110	
DE-6-198-103-2017	DE-6-198	2	107	34.1	106	3.7	105	3.5	105	4	111	101	
DE-6-198-104-2017	DE-6-198	2	116	30.8	102	3.9	118	3.9	119	4	112	110	
DE-6-198-105-2017	DE-6-198	2	116	36.8	109	3.7	106	3.6	107	4	111	117	
DE-6-198-67-2017	DE-6-198	3	112	31.2	100	3.8	111	3.7	112	4	111	108	
DE-6-198-68-2017	DE-6-198	3	106	32.5	102	3.6	100	3.4	100	4	109	107	
DE-6-198-69-2017	DE-6-198	3	113	34.6	104	3.7	106	3.6	107	4	111	115	
DE-6-198-70-2017	DE-6-198	3	113	25.2	93	3.8	111	3.6	110	4	110	115	
DE-6-198-73-2017	DE-6-198	3	109	33.8	104	3.8	109	3.6	109	3.9	106	105	
DE-6-198-74-2017	DE-6-198	3	121	45.5	117		(109)		(110)		(114)	119	
DE-6-198-75-2017	DE-6-198	3	112	35.3	105	3.7	109	3.8	112	3.9	107	108	
NL-55-16-42-2017	NL-55-16	1	114		100		110		110		109	115	