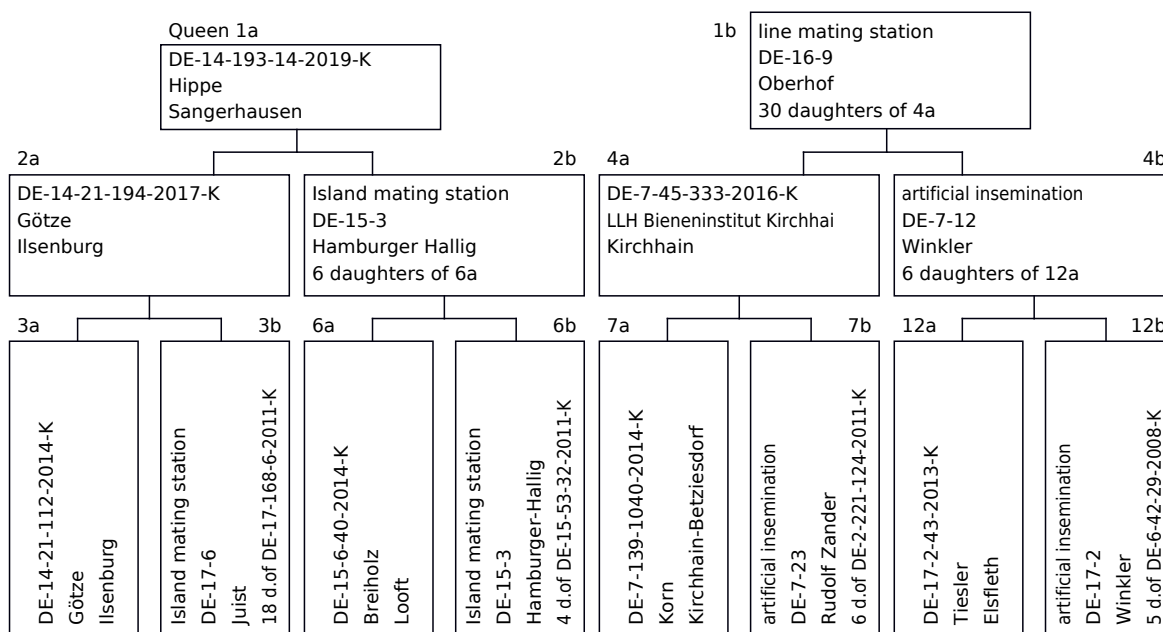


Tester of the queen: Hippe, Daniel, 06526 Sangerhausen, DE-14-193, Apiary 1
 Breeder of the queen: Hippe, Daniel, 06526 Sangerhausen, DE-14-193
1a Studbook number: **DE-14-193-14-2019-K**

Race line: -C-SKL-AGT Sign: green 14 Daughters of Queen: 1.8%
 Generation: 1 Hatch date: 29.05.2019 Workers: 0.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	130	155	1	14	83.9
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	116			
Honey yield	-	119			0.43
Defensive behavior	4	118			0.51
Steadiness on comb	4	117			0.51
Swarming drive	4	113			0.43
Varroa	-	105*			0.44
Performance index	-	120			0.43
Robustness in winter	4		70%	100%	170%
Development in Spring	4				
Colony strength	3.50				

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%.

Only one Varroa trait was recorded

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-14-193-14-2019-K

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Performance of the sisters

Amount of checked sisters: 11

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-14-184-1-2019-K	DE-14-184	1	112		114		114		114		114	103*	114
DE-14-184-2-2019	DE-14-184	1	109		112		110		108		104	103*	110
DE-14-184-3-2019	DE-14-184	1	111		113		111		110		112	103*	113
DE-14-193-10-2019	DE-14-193	1	112	80	112	4	116	3.5	112	3.5	110	104*	114
DE-14-193-11-2019-D	DE-14-193	1	110	95	114	3	108	3.5	108	3.5	111	103*	112
DE-14-193-12-2019	DE-14-193	1	109	95	112	3.5	109	3	106	2.5	105	104*	109
DE-14-193-14-2019-K	DE-14-193	1	116	130	119	4	118	4	117	4	113	105*	120
DE-14-193-15-2019-D	DE-14-193	1	109	85	111	3.5	109	3	106	4	112	102*	111
DE-14-193-16-2019	DE-14-193	1	109	90	113	3.5	112	3.5	110	3	108	101*	112
DE-14-193-18-2019	DE-14-193	1	112	70	112	4	118	4	117	2	103	103*	114
DE-14-193-19-2019-D	DE-14-193	1	116	130	119	4	118	4	117	4	113	105*	120

Only one Varroa trait was recorded