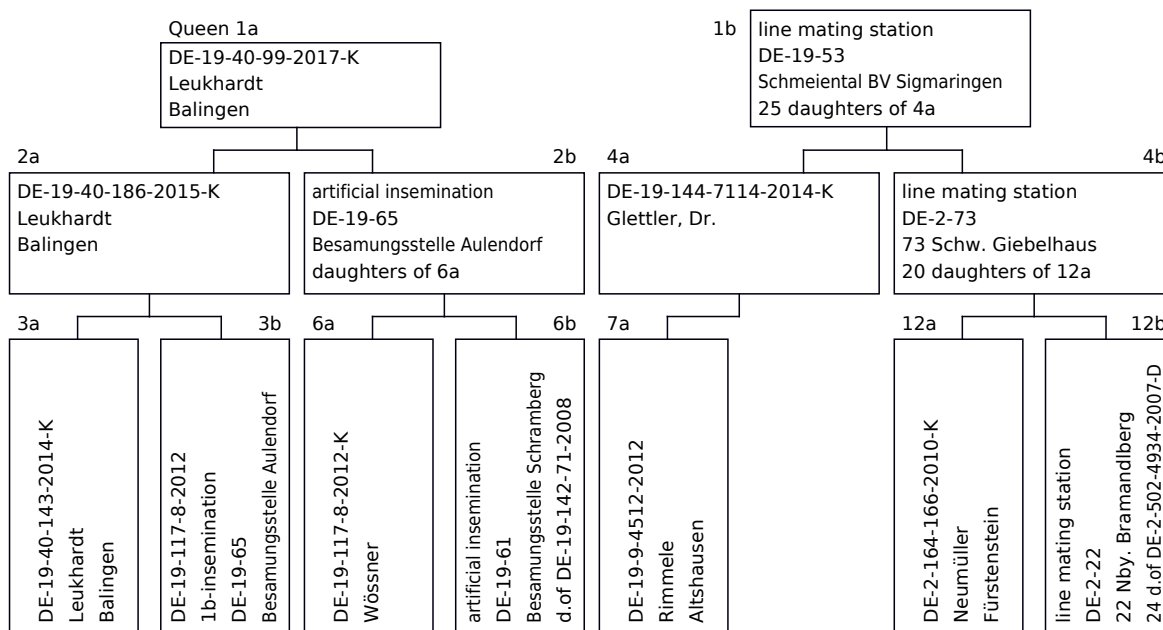


Tester of the queen: Leukhardt, Thomas, 72336 Balingen, DE-19-40, Apiary 1  
 Breeder of the queen: Leukhardt, Thomas, 72336 Balingen, DE-19-40  
**1a** Studbook number: **DE-19-40-99-2017-K**

Race line: -TLW 04 Sign: yellow 99 Daughters of Queen: 9.5%  
 Generation: Hatch date: Workers: 0.0%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony B 17			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	33	102.9	9	17	32.1	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	102	█			
Honey yield	-	103	█			0.38
Defensive behavior	3.50	104	█			0.61
Steadiness on comb	3.75	104	█			0.61
Swarming drive	4	107	█			0.34
Varroa	-	(95)	█			0.04
Performance index	-	0				
Robustness in winter	4	70% 100% 170%				
Development in Spring	4					
Colony strength	3.75					

<sup>1</sup>In 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

none Analysis of race characteristics

### E. Results

#### Class A

Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

# Breeding selection report DE-19-40-99-2017-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 29

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-19-188-60-2018	DE-19-9	1	101		95		Behavior		100		drive	(89)	104
DE-19-40-162-2018	DE-19-40	1	98	5	91	3	103	3.5	103	4	111	(89)	101
DE-19-40-105-2018	DE-19-40	2	100	4	90	3.5	108	4	108	4	112	(89)	104
DE-19-40-206-2018	DE-19-40	3	97	37	95	3	99	3.3	100	4	112	(89)	100
DE-19-40-37-2018	DE-19-40	6	97	23	90	3.5	102	3.5	101	4	114	(89)	100
DE-19-40-40-2018	DE-19-40	6	99	63	98	4	107	3.9	106	2	104	(89)	103
DE-19-40-41-2018	DE-19-40	6	100	27	92	3.8	107	4	107	4	115	(89)	104
DE-19-40-53-2018	DE-19-40	6	101	31	93	4	109	4	108	4	115	(89)	105
DE-19-40-58-2018	DE-19-40	6	101	44	95	4	108	4	108	4	115	(89)	106
DE-19-40-59-2018	DE-19-40	6	100	22	91	4	109	4	108	4	115	(89)	105
DE-19-40-61-2018	DE-19-40	6	99	23	91	3.8	106	3.8	106	4	115	(89)	103
DE-19-40-62-2018	DE-19-40	6	100	20	91	4	109	4	108	4	115	(89)	105
DE-19-40-63-2018	DE-19-40	6	101	52	97	4	108	4	108	4	115	(89)	106
DE-19-40-81-2018	DE-19-40	6	100	25	92	4	109	4	108	4	115	(89)	105
DE-19-40-106-2018	DE-19-40	6	99	61	98	3.8	106	4	107	2	105	(89)	103
DE-19-40-109-2018	DE-19-40	6	101	30	93	4	109	4	108	4	115	(89)	105
DE-19-40-112-2018	DE-19-40	6	100	60	98	4	108	4	108	3	110	(89)	105
DE-19-40-209-2018	DE-19-40	6	101	37	94	4	108	4	108	4	115	(89)	106
DE-19-40-213-2018	DE-19-40	6	101	48	96	4	108	4	108	4	115	(89)	106
DE-19-40-214-2018	DE-19-40	6	101	46	96	4	108	4	108	4	115	(89)	106
DE-19-188-64-2018	DE-19-142	1	100		96		107		107		113	(89)	105
DE-19-188-67-2018	DE-19-161	1	101		98		108		110		113	(89)	107
DE-19-188-42-2018	DE-19-164	1	99		93		108		105		112	(89)	104
DE-19-188-70-2018	DE-19-177	1	102		96		109		111		116	(89)	108
DE-19-40-89-2017	DE-19-40	1	92	40	100	3.5	94	4	97	4	97	(86)	96
DE-19-40-99-2017-K	DE-19-40	1	102	33	103	3.5	104	3.8	104	4	107	(95)	
DE-19-40-173-2017	DE-19-40	1	86	17	95	2.5	85	2.5	87	4	93	(86)	88
DE-19-40-218-2017	DE-19-40	5	89	45	100	3	87	3.5	91	4	96	(86)	92
DE-19-40-87-2017	DE-19-40	7	87	55	99	3.5	86	3.5	87	4	94	(86)	90