

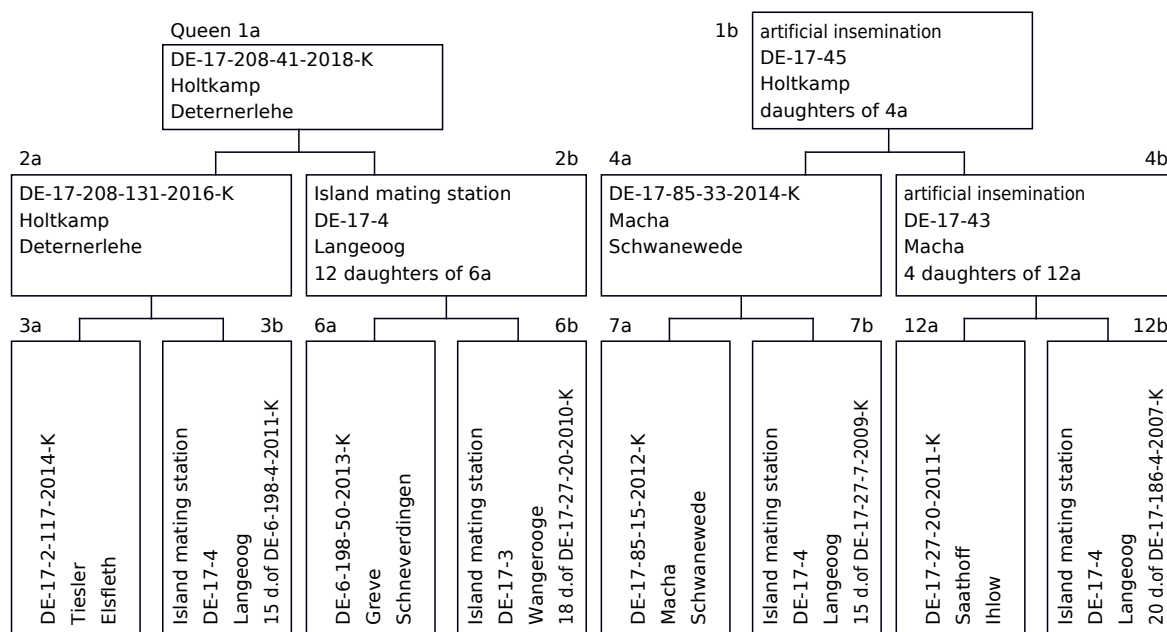
Tester of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208, Apiary 12
Breeder of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208
1a Studbook number: **DE-17-208-41-2018-K**

Race line: -30
Generation: 1

Sign: red 25
Hatch date: 23.5.2018

Daughters of
Queen: 4.0%
Workers: 4.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 240			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	30.8	211.4	4	18	14.6
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	136			
Honey yield	-	131			0.45
Defensive behavior	4	132			0.57
Steadiness on comb	4	133			0.57
Swarming drive	4	120			0.45
Varroa	-	124			0.29
Performance index	-	133			0.51
Robustness in winter	3		70%	100%	170%
Development in Spring	3.50				
Colony strength	3				

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-17-208-41-2018-K

Page 2

Performance of the sisters

Amount of checked sisters: 13

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 during inspection	Swarming drive	Breeding Value Swarming drive	Varroa-index	Performance index
DE-17-85-9-2018	DE-17-85	1	121		129		107		112		116	112	120
DE-17-85-10-2018	DE-17-85	1	113		119		107		111		111	106	112
DE-17-85-11-2018	DE-17-85	1	119		124		110		112		116	111	117
DE-17-85-5-2018	DE-17-85	3	117		123		108		110		115	110	116
DE-17-85-7-2018	DE-17-85	3	115		121		107		109		115	108	114
DE-17-85-8-2018	DE-17-85	3	121		128		112		115		118	112	120
DE-17-208-36-2018	DE-17-208	5	124	13.4	127	3	118	3	121	4	119	112	124
DE-17-208-37-2018	DE-17-208	5	117	5	124	3	106	2	108	4	116	111	115
DE-17-208-38-2018	DE-17-208	6	120	26.7	126	3	117	3	118	4	121	106	123
DE-17-208-40-2018	DE-17-208	6	124	45.8	129	3	116	3	118	4	121	112	124
DE-17-208-42-2018	DE-17-208	6	123	41	128	3	116	3	118	4	121	112	123
DE-17-208-43-2018	DE-17-208	7	121	15.7	124	3	115	3	115	4	119	112	120
DE-17-208-41-2018-K	DE-17-208	12	136	30.8	131	4	132	4	133	4	120	124	133