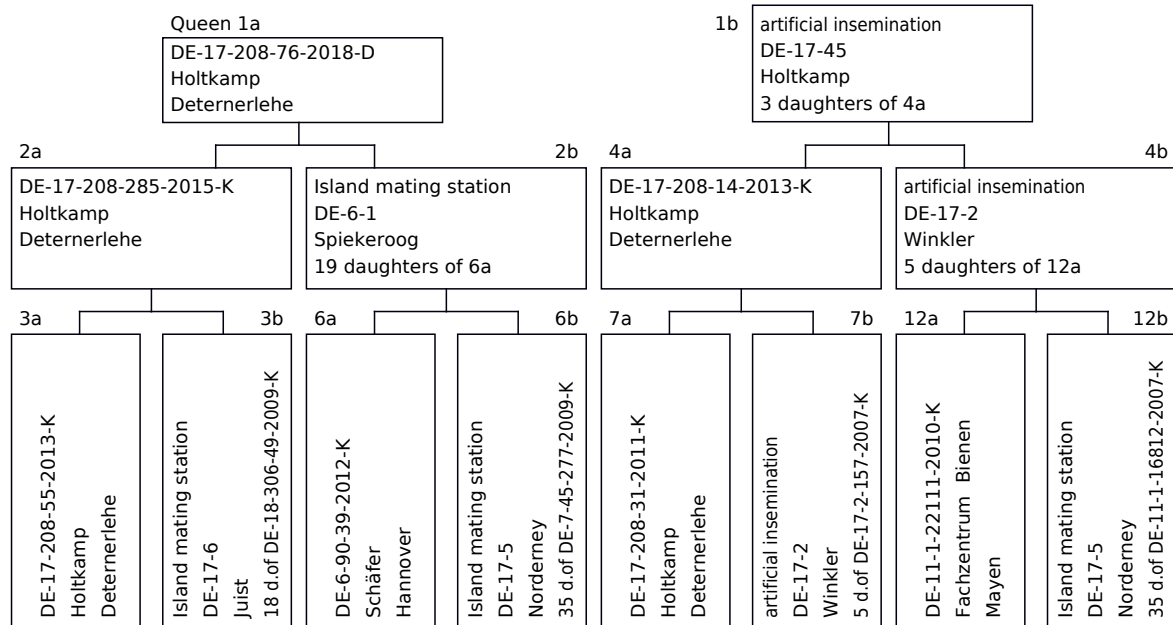


Tester of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208, Apiary 11
 Breeder of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208
1a Studbook number: **DE-17-208-76-2018-D**

Race line: -22 Sign: red 30 Daughters of Queen: 2.4%
 Generation: 5 Hatch date: 23.5.2018 Workers: 5.2%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 273			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	23.6	125.1	5	11	18.9
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	121			
Honey yield	-	109			0.43
Defensive behavior	3	115			0.57
Steadiness on comb	3	121			0.57
Swarming drive	4	117			0.45
Varroa	-	115			0.28
Performance index	-	118			0.47
Robustness in winter	3		70%	100%	170%
Development in Spring	1.50				
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 D

Suitable for use as a drone colony at mating stations.

Breeding selection report DE-17-208-76-2018-D

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Performance of the sisters

Amount of checked sisters: 15

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-17-208-69-2018	DE-17-208	1	113	13.5	107	2	107	2	111	3	111	111	110
DE-17-208-79-2018	DE-17-208	1	113	7	104	2	105	2	111	3	112	111	109
DE-17-208-67-2018	DE-17-208	6	121	37	111	3	116	3	121	4	117	114	119
DE-17-208-70-2018	DE-17-208	6	123	36.1	112	3.5	124	3.5	129	4	117	112	123
DE-17-208-71-2018	DE-17-208	6	108	6	102	2	101	2	107	3	110	106	106
DE-17-208-72-2018	DE-17-208	6	121	47.9	113	3	116	3	121	4	117	114	119
DE-17-208-78-2018	DE-17-208	6	123	41.6	113	3	119	3.5	126	4	117	113	122
DE-17-208-73-2018	DE-17-208	11	122	21.7	109	4	125	3	125	4	117	113	122
DE-17-208-74-2018	DE-17-208	11	119	5	106	3	116	3	121	4	117	112	117
DE-17-208-75-2018	DE-17-208	11	125	24.1	113	3	121	4	131	4	118	115	124
DE-17-208-76-2018-D	DE-17-208	11	121	23.6	109	3	115	3	121	4	117	115	118
DE-17-208-77-2018-D	DE-17-208	11	127	59.9	119	3.5	125	4	133	4	118	115	128
DE-17-208-80-2018	DE-17-208	11	110	4	103	2	101	2	106	3	110	109	106
DE-17-208-81-2018	DE-17-208	11	106	5	103	2	100	2	106	2	105	103	104
DE-17-208-82-2018	DE-17-208	11	121	29.4	111	3	115	3	121	4	117	115	118