

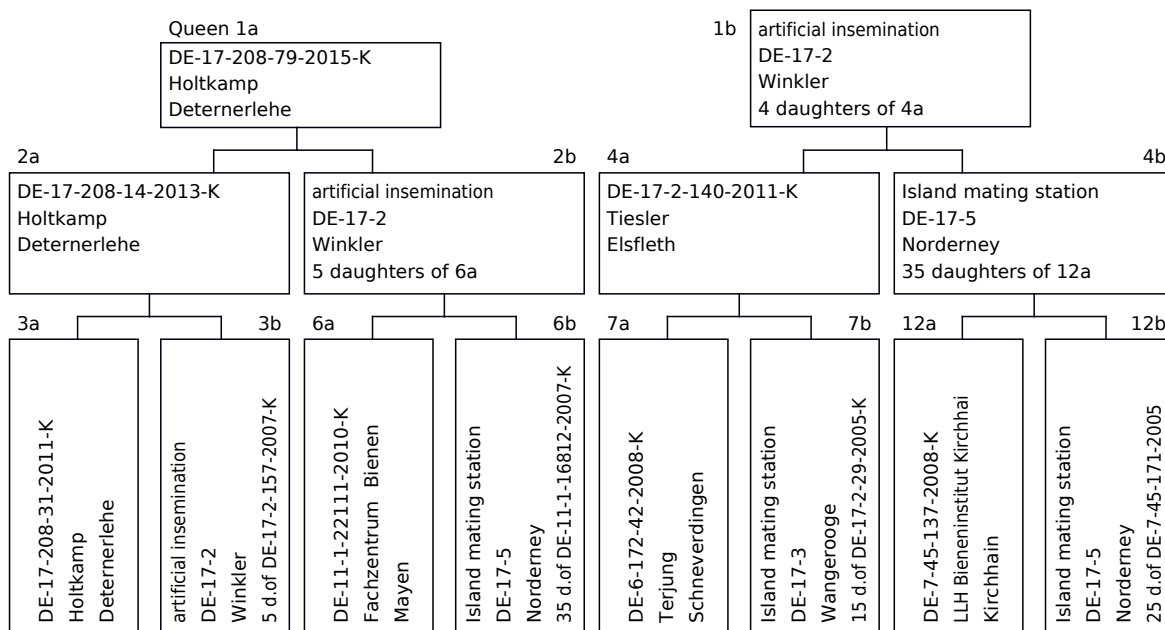
Tester of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208, Apiary 5
Breeder of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208
1a Studbook number: **DE-17-208-79-2015-K**

Race line: -22
Generation: 5

Sign: blue
Hatch date: 25.05.2015

Daughters of
Queen: 2.3%
Workers: 2.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 118			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	27.9	94.7	9	16	29.5
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	123			
Honey yield	-	102			0.42
Defensive behavior	4	119			0.64
Steadiness on comb	4	116			0.66
Swarming drive	4	103			0.43
Varroa	-	130			0.53
Performance index	-	0			
Robustness in winter	3.50		70%	100%	170%
Development in Spring	3				
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%.

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-17-208-79-2015-K

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Performance of the sisters

Amount of checked sisters: 16

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-17-208-65-2015	DE-17-208	1	79	21.7	78	3	Behavior	3	during	4	drive	91	
DE-17-208-71-2015	DE-17-208	1	121	71.6	120	4	113	4	inspection	4	108	121	
DE-17-208-73-2015-D	DE-17-208	2	92	10.2	92	3	92	3	93	4	97	94	
DE-17-208-78-2015	DE-17-208	2	96	9.7	89	2	82	2	79	4	85	116	
DE-17-208-66-2015	DE-17-208	3	98	13.1	93	3	95	3	94	4	97	103	
DE-17-208-68-2015	DE-17-208	3	88	20	97	3	92	2.5	94	4	103	81	
DE-17-208-70-2015	DE-17-208	3	93	10.7	90	3	90	2	89	4	95	99	
DE-17-208-77-2015	DE-17-208	3	107	17.8	97	3	95	3	92	4	93	122	
DE-17-208-69-2015	DE-17-208	4	112	40.4	103	4	106	4	104	4	101	118	
DE-17-208-64-2015	DE-17-208	5	116	34.6	105	4	112	3.5	110	4	104	120	
DE-17-208-67-2015-D	DE-17-208	5	88	27.4	94	3	90	3	92	4	99	86	
DE-17-208-72-2015-D	DE-17-208	5	121	42.3	111	4	112	3.5	110	4	105	127	
DE-17-208-79-2015-K	DE-17-208	5	123	27.9	102	4	119	4	116	4	103	130	
DE-17-208-74-2015	DE-17-208	6	97	5	96	2.5	92	2	91	4	97	104	
DE-17-208-75-2015	DE-17-208	6	109	5	98	3	101	3	99	4	98	119	
DE-17-208-76-2015	DE-17-208	6	104	5	96	3	95	2	93	4	96	116	