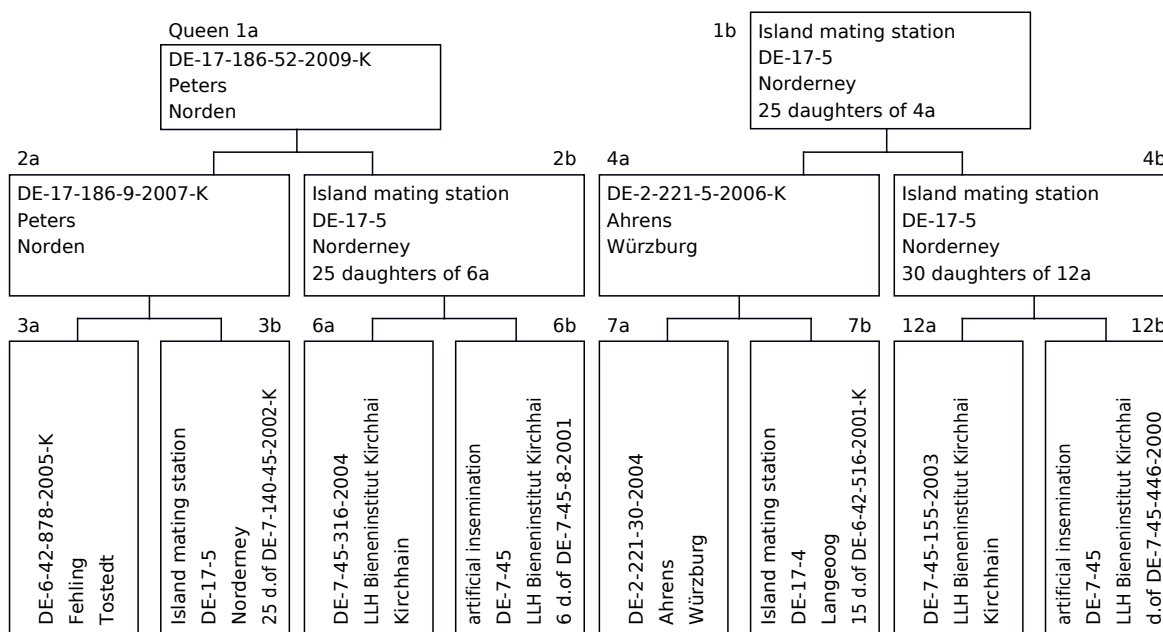


Tester of the queen: Peters, Frank, 26506 Norden, DE-17-186, Apiary 1
 Breeder of the queen: Peters, Frank, 26506 Norden, DE-17-186
1a Studbook number: **DE-17-186-52-2009-K**

Race line: -22 Sign: green 41 Daughters of Queen: 0.4%
 Generation: 2 Hatch date: Workers: 0.4%

A. Pedigree



B. Own performance

Performance test year	No. of the colony Volk 17			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	58.8	93.4	15	20	63.0	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	108	■			
Honey yield	-	96	■			0.44
Defensive behavior	3.60	103	■			0.64
Steadiness on comb	3.70	100	■			0.67
Swarming drive	4	96	■			0.44
Varroa	-	117	■			0.54
Performance index	-	0	■			
Robustness in winter	3	70% 100% 170%				
Development in Spring	2					
Colony strength	4					

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-17-186-52-2009-K

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Performance of the sisters

Amount of checked sisters: 6

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-17-72-41-2009	DE-17-72	1	105		103							100	
DE-17-186-50-2009	DE-17-186	1	106	62.9	98	3.6	102	3.7	101	3	87	117	
DE-17-186-51-2009-K	DE-17-186	1	129	79.5	115	3.9	120	3.9	117	2	91	139	
DE-17-186-52-2009-K	DE-17-186	1	108	58.8	96	3.6	103	3.7	100	4	96	117	
DE-17-186-53-2009	DE-17-186	1	107	61.7	97	3.7	103	3.6	102	3	88	117	
DE-17-186-54-2009	DE-17-186	1	109	59.1	96	3.7	103	3.6	101	4	98	118	