

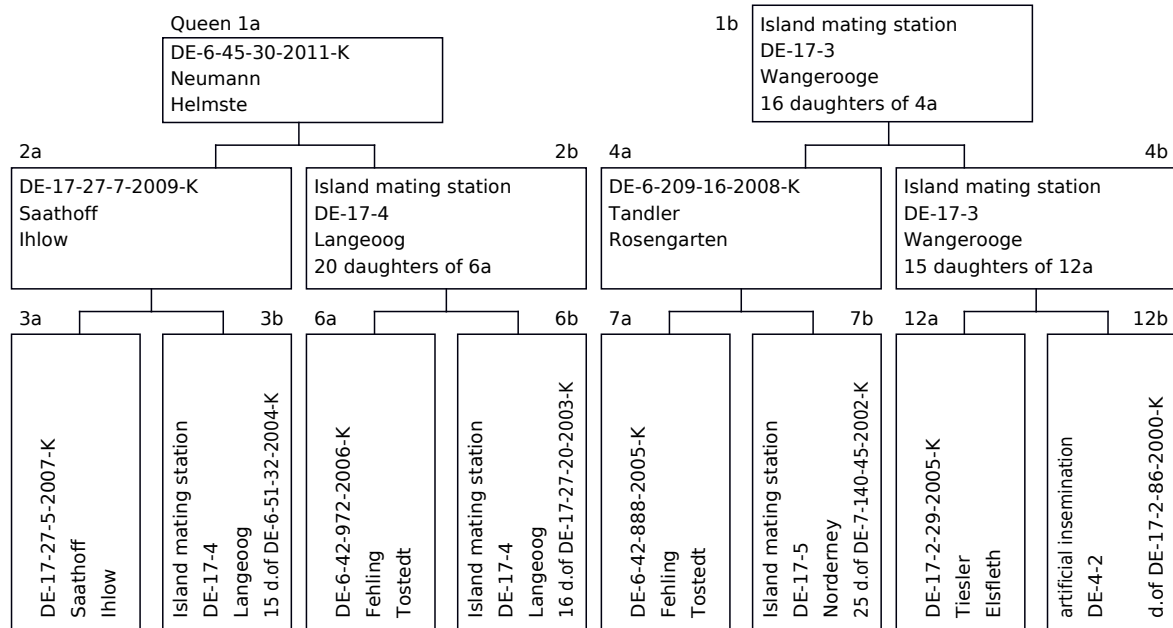
Tester of the queen: Neumann, Axel, Helmste, DE-6-45, Apiary 2
Breeder of the queen: Neumann, Axel, Helmste, DE-6-45
1a Studbook number: **DE-6-45-30-2011-K**

Race line: -30
Generation: 1







Sign: white
Hatch date: 13.6.2011

Daughters of
Queen: 5.2%
Workers: 0.6%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 32			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	95.5	144.3	2	7	66.2	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	115				
Honey yield	-	122				0.4
Defensive behavior	4	111				0.58
Steadiness on comb	4	111				0.61
Swarming drive	4	119				0.4
Varroa	-	(105)				0.29
Performance index	-	0				
Robustness in winter	4					
Development in Spring	4					
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 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-6-45-30-2011-K

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Performance of the sisters

Amount of checked sisters: 19

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-6-45-1-2011-D	DE-6-45	1	104		(105)	4	Behavior	4	during inspection	4	drive	93*	
DE-6-45-2-2011-D	DE-6-45	1	101		(104)	4	110	4	112	4	117	86*	
DE-6-45-3-2011-D	DE-6-45	1	104		(105)	4	110	4	111	4	116	91*	
DE-6-45-4-2011-D	DE-6-45	1	83		(90)	4	91	3	92	2	92	81*	
DE-6-45-5-2011-D	DE-6-45	1	103		(101)	3.5	92	4	91	4	98	111*	
DE-6-45-7-2011-D	DE-6-45	1	102		(101)	3.5	92	4	91	4	99	110*	
DE-6-45-8-2011-D	DE-6-45	1	106		(105)	4	111	4	111	4	115	96*	
DE-6-45-9-2011-D	DE-6-45	1	124		(109)	4	111	4	107	4	107	134*	
DE-6-45-10-2011-D	DE-6-45	1	115		(107)	4	111	4	109	4	111	115*	
DE-6-45-11-2011-D	DE-6-45	1	114		(107)	4	111	4	109	4	111	113*	
DE-6-45-12-2011-D	DE-6-45	1	105		(102)	4	110	4	110	2	96	(103)	
DE-6-45-6-2011	DE-6-45	2	95		(100)	3.5	93	4	94	4	104	(94)	
DE-6-45-24-2011	DE-6-45	2	98	21.3	79	4	107	4	105	4	105	(98)	
DE-6-45-25-2011	DE-6-45	2	107	61.8	102	4	109	4	109	4	112	(102)	
DE-6-45-26-2011	DE-6-45	2	111	79.4	113	4	110	4	110	4	116	(104)	
DE-6-45-27-2011-D	DE-6-45	2	103	43.9	92	4	108	4	107	4	109	(100)	
DE-6-45-28-2011-D	DE-6-45	2	113	102.4	125	4	111	4	112	2	103	(107)	
DE-6-45-29-2011-D	DE-6-45	2	107	59.1	101	4	109	4	108	4	112	(102)	
DE-6-45-30-2011-K	DE-6-45	2	115	95.5	122	4	111	4	111	4	119	(105)	

Only one Varroa trait was recorded