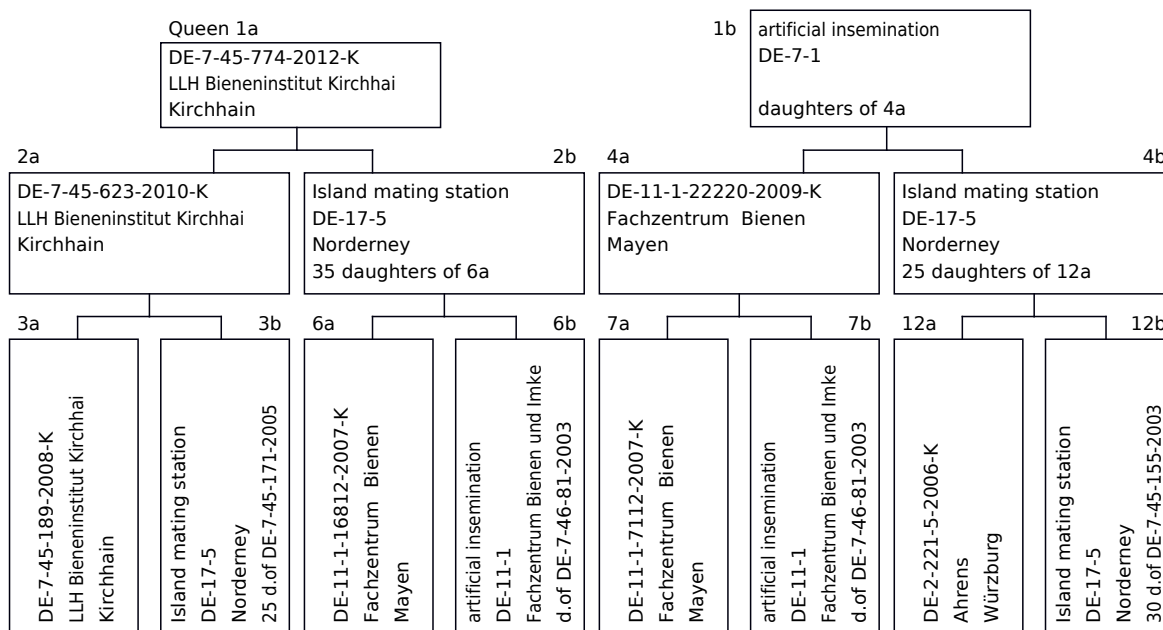


Tester of the queen: Burmeister, Klaus, 24536 Neumünster, DE-15-10, Apiary 2
 Breeder of the queen: LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45
1a Studbook number: **DE-7-45-774-2012-K**

Race line: Sign: yellow 62
 Generation: 5 Hatch date: 25.06.2012

Daughters of Queen: 1.2%
 Workers: 1.6%

A. Pedigree



B. Own performance

Performance test year	No. of the colony Volk 32 - Burmeister			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	28.5	93.6	5	8	30.4	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	113	■			
Honey yield	-	106	■			0.42
Defensive behavior	3.90	109	■			0.58
Steadiness on comb	3.80	110	■			0.61
Swarming drive	3.90	111	■			0.42
Varroa	-	111	■			0.51
Performance index	-	0				
Robustness in winter	3.70	70% 100% 170%				
Development in Spring	3.60					
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-7-45-774-2012-K

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Performance of the sisters

Amount of checked sisters: 11

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-7-45-752-2012	DE-7-45	1	108		103		Behavior		107		107	122	
DE-7-45-751-2012	DE-7-45	2	108		96		98		96		87	125	
DE-7-176-4-2012-K	DE-7-45	2	115		111		109		110		108	114	
DE-7-176-1-2012	DE-7-176	2	119		109		108		108		113	122	
DE-7-176-5-2012	DE-7-176	2	103		90		104		104		109	104	
DE-7-176-8-2012	DE-7-176	2	113		118		98		99		98	120	
DE-7-176-85-2012-K	DE-7-176	2	122		108		115		114		115	123	
DE-7-176-88-2012	DE-7-176	2	109		101		101		100		97	118	
DE-7-45-760-2012	DE-7-177	1	130		128		122		122		118	123	
DE-7-45-774-2012-K	DE-15-10	2	113	28.5	106	3.9	109	3.8	110	3.9	111	111	
DE-7-45-775-2012-K	DE-15-10	2	118	32	110	3.9	110	3.8	109	3.9	110	120	