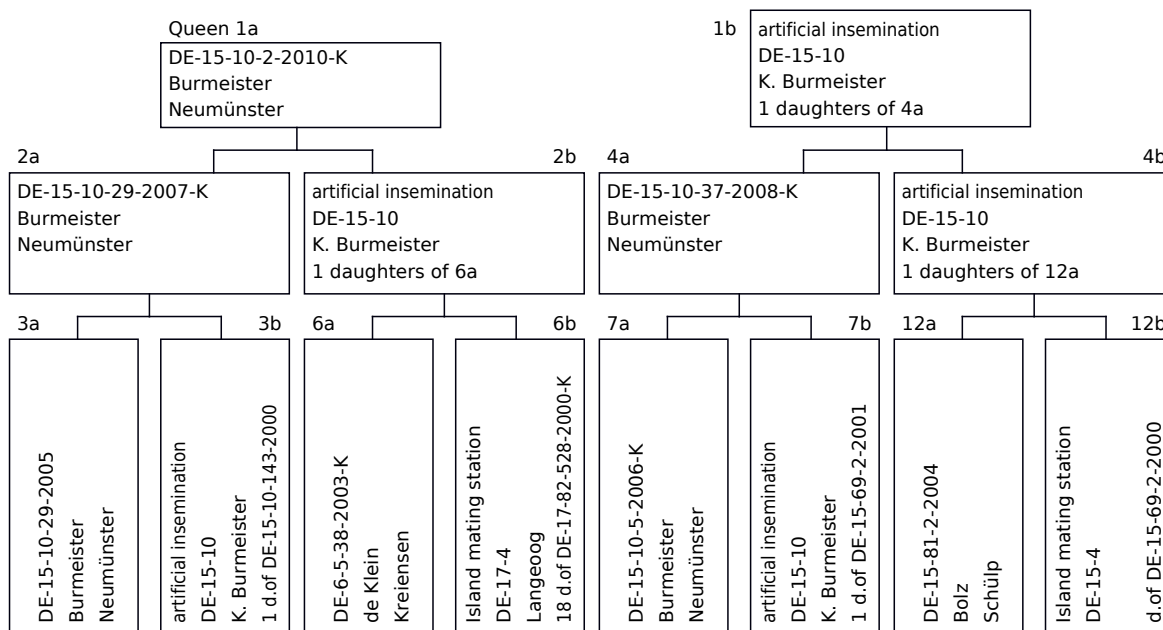


Tester of the queen: Burmeister, Klaus, 24536 Neumünster, DE-15-10, Apiary 1
 Breeder of the queen: Burmeister, Klaus, 24536 Neumünster, DE-15-10
1a Studbook number: **DE-15-10-2-2010-K**

Race line: Sign: blue 87 Daughters of Queen: 0%
 Generation: Hatch date: 01.06.2010 Workers: 0.9%

A. Pedigree



B. Own performance

Performance test year	No. of the colony Volk 113			comparable colonies at the apiary					
	kg	%	Ranking	number	Yield average kg				
	70.5	117.6	1	10	60.0				
	Assessment*	Breeding values			Reliability				
Total breeding value¹	-	108							
Honey yield	-	119							0.33
Defensive behavior	3.90	110							0.51
Steadiness on comb	3.80	111							0.55
Swarming drive	3.70	114							0.34
Varroa	-	96							0.44
Performance index	-	0							
Robustness in winter	3.90			70%	100%			170%	
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-15-10-2-2010-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-15-10-1-2010	DE-15-10	1	111	60.5	109	3.9	109	3.8	109	3.8	107		
DE-15-10-2-2010-K	DE-15-10	1	108	70.5	119	3.9	110	3.8	111	3.7	114	96	
DE-15-10-4-2010	DE-15-10	1	107	62.5	110	3.9	105	3.7	105	3.8	111	101	
DE-15-10-8-2010	DE-15-10	1	96	50.5	98	3.8	103	3.8	104	3.8	108	88	
DE-15-10-22-2010-K	DE-15-10	1	104	59.5	106	3.8	100	3.7	100	3.7	103	104	
DE-15-10-29-2010-K	DE-15-10	1	109	66.5	115	3.9	109	3.8	110	3.7	112	100	
DE-15-10-31-2010	DE-15-10	1	95	45.5	91	3.8	98	3.7	98	3.8	104	94	
DE-15-10-42-2010-K	DE-15-10	1	108	58.5	105	3.8	100	3.7	99	3.7	101	114	
DE-15-10-50-2010-K	DE-15-10	1	101	66.5	112	3.7	96	3.7	97	3.7	104	98	
DE-15-10-61-2010	DE-15-10	1	106	59	105	3.8	100	3.7	99	3.7	102	109	
DE-15-10-3-2010	DE-15-10	2	104	56.5	111	3.9	105	3.7	106	3.7	113	93	
DE-15-10-6-2010	DE-15-10	2	104	48.5	105	3.9	109	3.8	109	3.8	114	94	
DE-15-10-9-2010	DE-15-10	2	107	56.5	112	3.8	104	3.8	104	3.7	109	103	
DE-15-10-12-2010	DE-15-10	2	100	53.5	108	3.8	104	3.8	105	3.6	108	91	
DE-15-10-30-2010	DE-15-10	2	108	54.5	110	3.8	104	3.8	104	3.7	107	106	
DE-15-10-40-2010	DE-15-10	2	108	51.5	106	3.8	100	3.7	99	3.7	103	113	
DE-15-10-49-2010	DE-15-10	2	105	51.5	106	3.8	100	3.7	99	3.8	108	105	
DE-15-10-59-2010	DE-15-10	2	107	55.5	112	3.9	110	3.8	110	3.6	110	98	
DE-15-10-64-2010-K	DE-15-163	1	104		107		103		103		107	101	