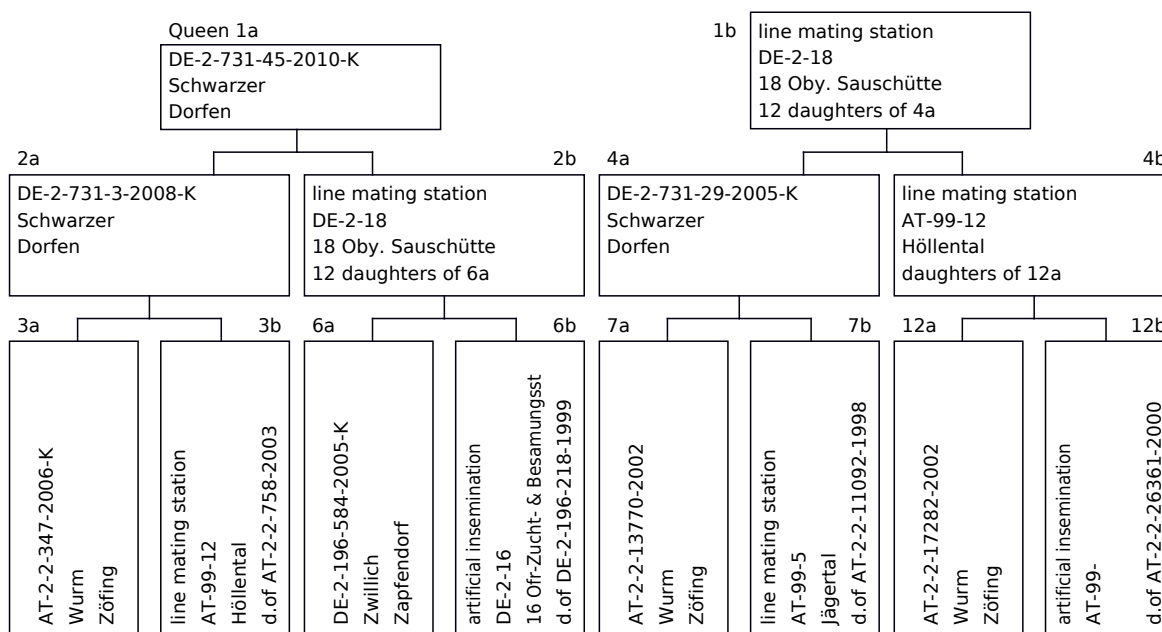


Tester of the queen: Schwarzer, Herbert, 84405 Dorfen, DE-2-731, Apiary 1
 Breeder of the queen: Schwarzer, Herbert, 84405 Dorfen, DE-2-731
1a Studbook number: **DE-2-731-45-2010-K**

Race line: -1 Sign: blue b Daughters of Queen: 0%
 Generation: 1 Hatch date: 20.06.2010 Workers: 0.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 27			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	39	103.6	5	11	37.6	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	108	■			
Honey yield	-	111	■			0.38
Defensive behavior	4	110	■			0.58
Steadiness on comb	3.60	110	■			0.61
Swarming drive	4	111	■			0.38
Varroa	-	99	■			0.47
Performance index	-	0				
Robustness in winter			70%	100%	170%	
Development in Spring						
Colony strength						

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

none Analysis of race characteristics

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-2-731-45-2010-K

Page 2

Performance of the sisters

Amount of checked sisters: 8

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 ndex
DE-2-722-71-2011	DE-2-722	1	88		88		Behavior		ding		dgye	(87)	
DE-2-731-45-2010-K	DE-2-731	1	108	39	111	4	110	3.6	110	4	111	99	
DE-2-731-46-2010	DE-2-731	1	85	38	103	3.1	85	3	87	3	87	86	
DE-2-731-47-2010	DE-2-731	1	113	44	117	3.9	113	3.9	114	4	112	103	
DE-2-731-42-2010	DE-2-731	2	82	33	96	3.1	82	3.2	83	3	82	(87)	
DE-2-731-43-2010	DE-2-731	2	100	39	108	3.6	101	3.7	102	4	105	(93)	
DE-2-731-44-2010	DE-2-731	2	96	35	102	3.6	97	3.5	97	4	102	(92)	
DE-2-731-39-2010	DE-11-132	2	92		103		90		91		94	92	