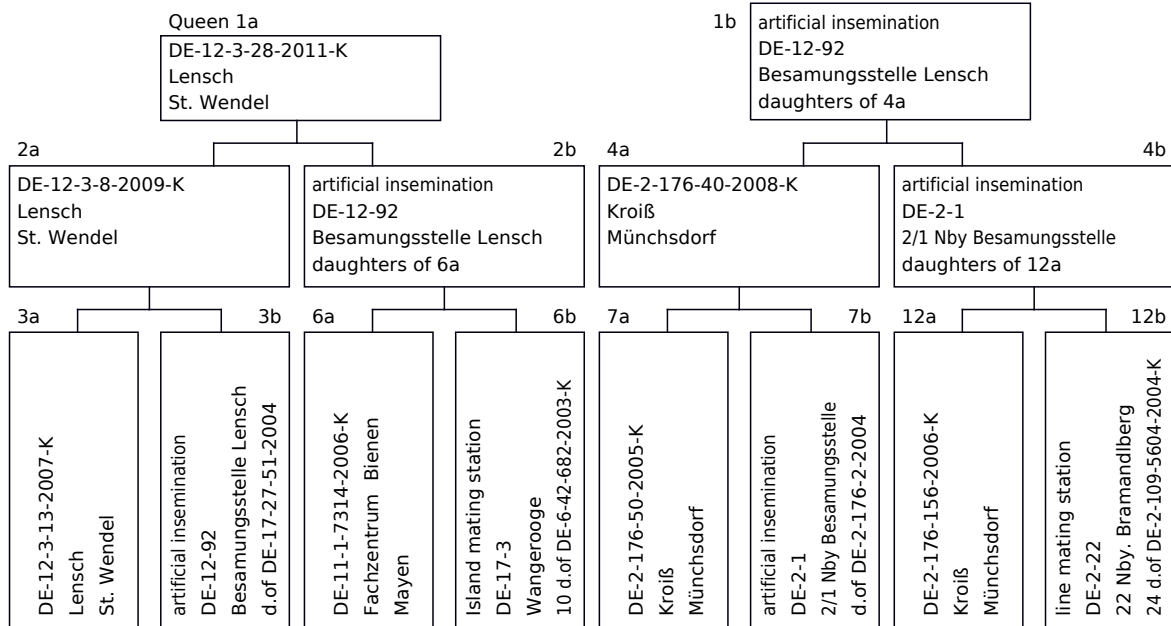


Tester of the queen: Lensch, Armin, 66606 St. Wendel, DE-12-3, Apiary 2
 Breeder of the queen: Lensch, Armin, 66606 St. Wendel, DE-12-3
1a Studbook number: **DE-12-3-28-2011-K**

Race line: -87 Sign: white 33 Daughters of Queen: 0.4%
 Generation: 8 Hatch date: 02.06.2011 Workers: 0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 11W26			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	43	163.1	1	11	26.4
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	129			
Honey yield	-	120			0.36
Defensive behavior	3.80	116			0.54
Steadiness on comb	3.80	113			0.58
Swarming drive	3.80	107			0.36
Varroa	-	134			0.46
Performance index	-	0			
Robustness in winter	3.70		70%	100%	170%
Development in Spring	3.90				
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-12-3-28-2011-K

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Performance of the sisters

Amount of checked sisters: 15

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-12-3-22-2011	DE-10-30	1	118		112		Behavior		109		drive	113	
DE-12-3-23-2011	DE-10-30	1	94		96		98		inspection		102	90	
DE-12-3-26-2011	DE-12-3	1	102	21	103	3.6	103	3.7	103	4	101	99	
DE-12-3-27-2011	DE-12-3	1	107	22	104	3.6	103	3.7	102	4	99	110	
DE-12-3-60-2011	DE-12-3	1	100	24	107	3.7	106	3.7	108	4	107	89	
DE-12-3-28-2011-K	DE-12-3	2	129	43	120	3.8	116	3.8	113	3.8	107	134	
DE-12-3-29-2011	DE-12-3	2	108	31	110	3.7	108	3.7	109	4	112	101	
DE-12-3-30-2011	DE-12-3	2	109	27	107	3.7	108	3.7	108	4	110	104	
DE-12-3-31-2011	DE-12-3	2	112	27	107	3.7	109	3.7	107	4	108	112	
DE-12-3-32-2011	DE-12-3	2	81	16	92	3.2	85	3.2	87	3.2	91	80	
DE-12-3-33-2011	DE-12-3	2	97	32	107	3.6	103	3.6	105	1	94	91	
DE-12-3-34-2011	DE-12-3	2	111	31	110	3.8	114	3.8	115	3.5	108	104	
DE-12-3-35-2011	DE-12-3	2	89	11	92	3.6	101	3.6	103	1	90	85	
DE-12-3-36-2011	DE-12-3	2	88	32	105	3.2	86	3.2	88	4	104	83	
DE-12-3-37-2011	DE-12-3	2	88	16	94	3.5	97	3.5	98	1	89	85	