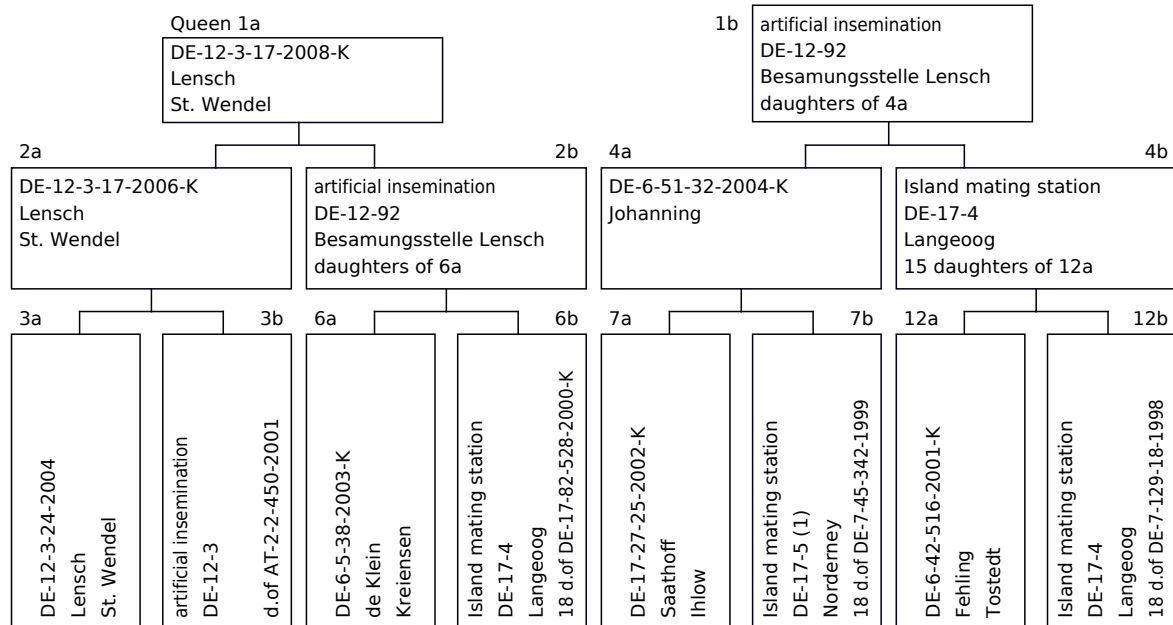


Tester of the queen: Lensch, Armin, 66606 St. Wendel, DE-12-3, Apiary 4
 Breeder of the queen: Lensch, Armin, 66606 St. Wendel, DE-12-3
1a Studbook number: **DE-12-3-17-2008-K**

Race line: -30 Sign: red 26 Daughters of Queen: 0.1%
 Generation: 5 Hatch date: 27.05.2008 Workers: 0.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 9W54			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	23.6	133.5	1	13	17.7	
	Assessment*	Breeding values				Reliability
Total breeding value¹	-	121				
Honey yield	-	110				0.45
Defensive behavior	4	112				0.62
Steadiness on comb	4	109				0.65
Swarming drive	4	104				0.44
Varroa	-	128				0.53
Performance index	-	0				
Robustness in winter	3.80		70%	100%	170%	
Development in Spring	3.80					
Colony strength	3.80					

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-12-3-17-2008-K

Page 2

Performance of the sisters

Amount of checked sisters: 14

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-12-3-23-2008	DE-11-12	3	102		87							(103)	
DE-12-3-8-2008	DE-12-3	4	106	16.8	104	4	111	4	111	4	109	99	
DE-12-3-9-2008	DE-12-3	4	92	11.6	95	3.8	95	3.8	95	4	101	89	
DE-12-3-10-2008	DE-12-3	4	89	19.3	103	3.8	99	3.9	102	4	108	73	
DE-12-3-11-2008	DE-12-3	4	106	16.8	104	4	111	4	111	4	109	99	
DE-12-3-12-2008	DE-12-3	4	98	20.3	105	3.9	103	3.9	105	4	108	88	
DE-12-3-13-2008	DE-12-3	4	109	7.6	94	3.9	103	3.9	100	4	97	121	
DE-12-3-14-2008	DE-12-3	4	104	21.3	106	3.9	103	3.9	103	4	106	100	
DE-12-3-15-2008	DE-12-3	4	115	21.7	108	4	112	4	110	4	107	116	
DE-12-3-16-2008	DE-12-3	4	105	16.7	98	3.7	92	3.8	89	1	73	128	
DE-12-3-17-2008-K	DE-12-3	4	121	23.6	110	4	112	4	109	4	104	128	
DE-12-3-18-2008	DE-12-3	4	90	9.2	92	3.7	88	3.7	88	4	96	94	
DE-12-3-19-2008-K	DE-12-3	4	114	22.5	109	4	112	4	111	4	108	112	
DE-12-3-20-2008	DE-12-3	4	105	22.4	108	4	111	4	113	4	112	93	