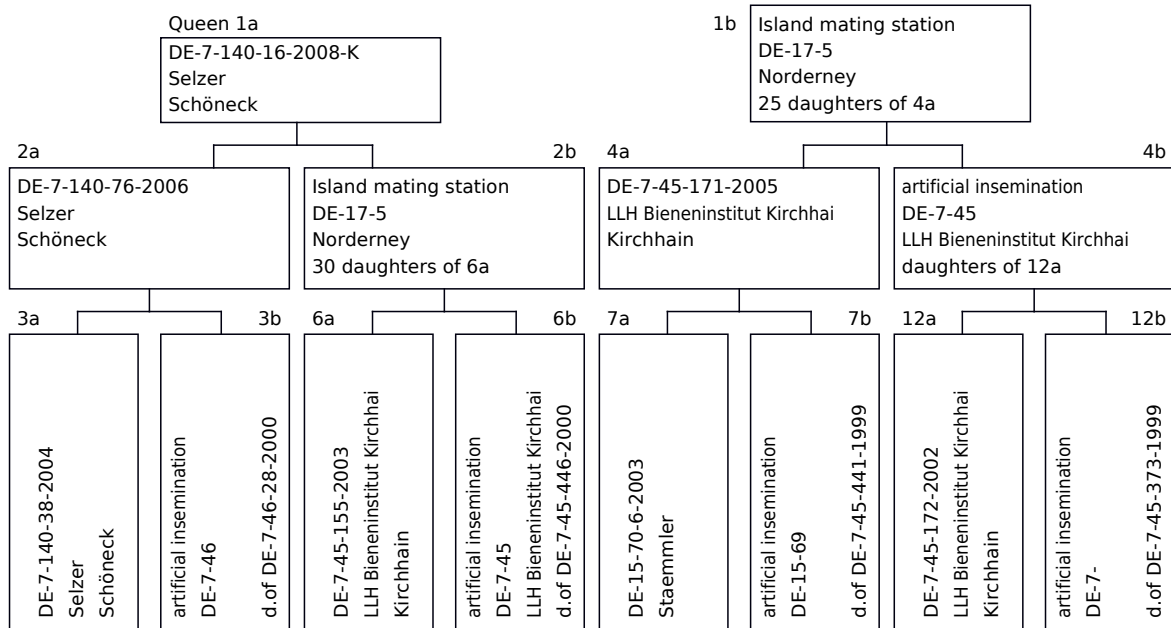


Tester of the queen: Korn, Heinrich, 35274 Kirchhain-Betziesdorf, DE-7-139, Apiary 2
 Breeder of the queen: Selzer, Erich, 61137 Schöneck, DE-7-140
1a Studbook number: **DE-7-140-16-2008-K**

Race line: Sign: red 16
 Generation: 8 Hatch date: 29.05.2008

Daughters of Queen: 0.6%
 Workers: 0.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 11			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	51.5	101.5	5	14	50.7	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	114				
Honey yield	-	103				0.47
Defensive behavior	3.70	108				0.65
Steadiness on comb	3.70	106				0.67
Swarming drive	4	104				0.47
Varroa	-	119				0.56
Performance index	-	0				
Robustness in winter	3.80					
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 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-7-140-16-2008-K

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Performance of the sisters

Amount of checked sisters: 9

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-7-140-17-2008	DE-7-45	1	100		102		Behavior		100		100	97	
DE-7-140-7-2008	DE-7-45	4	120		102		110		107		105	129	
DE-7-140-16-2008-K	DE-7-139	2	114	51.5	103	3.7	108	3.7	106	4	104	119	
DE-7-140-19-2008	DE-7-143	1	99		92		92		91		90	111*	
DE-7-140-20-2008	DE-7-143	1	114		108		113		113		117	107	
DE-7-140-8-2008	DE-7-301	3	106		106		113		114		118	93	
DE-7-140-11-2008	DE-7-301	3	108		105		105		104		111	107	
DE-7-140-31-2008	DE-7-301	3	114		100		106		104		107	120	
DE-7-140-28-2008	DE-7-307	1	112		103		(108)		(107)		(110)	(113)	

Only one Varroa trait was recorded