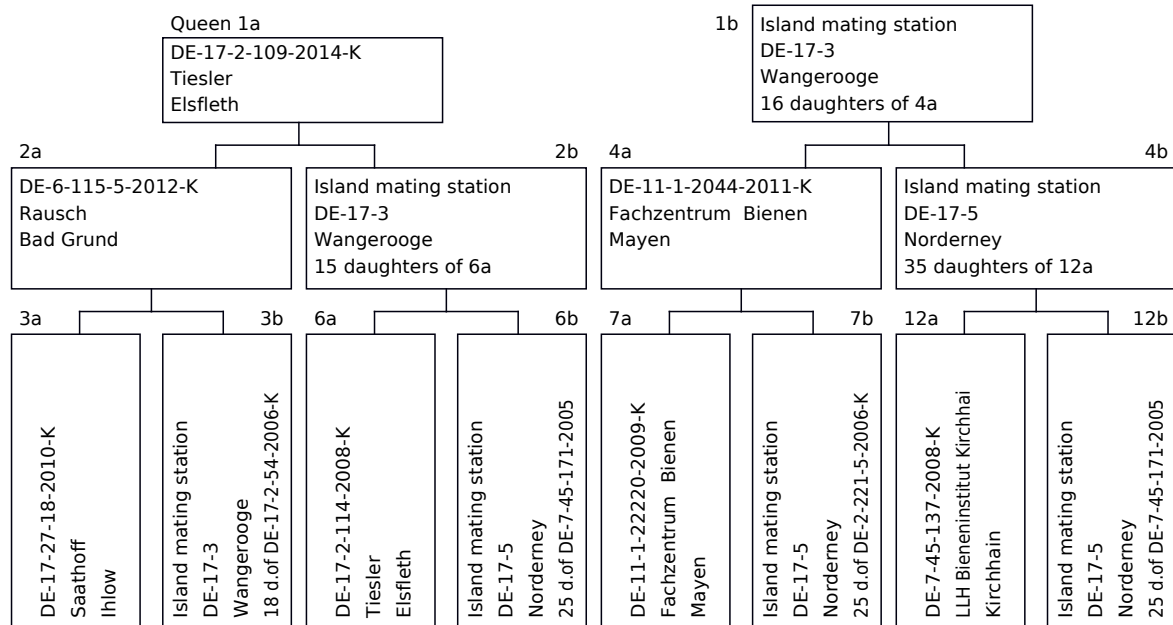


Tester of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2, Apiary 4
 Breeder of the queen: Tiesler, Friedrich Karl, 26931 Elsfleth, DE-17-2
1a Studbook number: **DE-17-2-109-2014-K**

Race line: -23 Sign: green 19 Daughters of Queen: 4.0%
 Generation: Hatch date: 25.05.2014 Workers: 3.0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony S65			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	45	141.4	3	12	31.8
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	126			
Honey yield	-	117			0.45
Defensive behavior	4	114			0.64
Steadiness on comb	4	111			0.67
Swarming drive	4	110			0.45
Varroa	-	130*			0.53
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring	2				
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%.

Only one Varroa trait was recorded

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-17-2-109-2014-K

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Performance of the sisters

Amount of checked sisters: 31

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-6-115-901-2014	DE-6-5	1	101		97		Behavior		100		100	104*	
DE-6-115-904-2014	DE-6-5	1	104		105			inspection	102		105	102*	
DE-6-115-907-2014	DE-6-5	1	112		111				109		110	110*	
DE-6-115-902-2014	DE-6-5	2	106		101				105		94	109*	
DE-6-115-905-2014	DE-6-5	2	108		108				106		110	105*	
DE-6-115-906-2014	DE-6-5	2	109		105				105		109	107*	
DE-6-115-903-2014	DE-6-5	3	104		103				104		101	104*	
DE-6-115-908-2014	DE-6-5	3	102		105				97		97	106*	
DE-6-115-1-2014-K	DE-6-115	1	124		112				114		108	128	
DE-6-115-2-2014-K	DE-6-115	1	123		116				116		110	123	
DE-6-115-3-2014-K	DE-6-115	1	112		111				103		105	115	
DE-6-115-4-2014	DE-6-115	1	104		99				106		94	106	
DE-17-2-104-2014	DE-17-2	1	107	36.2	96	3.8	106	3.9	104	4	100	112	
DE-17-2-103-2014	DE-17-2	2	97	18	84	3.9	110	3.9	111	4	108	90	
DE-17-2-106-2014	DE-17-2	2	92	21.5	83	3.7	99	3.8	98	2	84	98	
DE-17-2-108-2014	DE-17-2	2	110	70	116	3.7	101	3.8	101	4	107	109	
DE-17-2-110-2014	DE-17-2	2	109	26.8	89	3.8	103	3.8	100	4	96	122	
DE-17-2-109-2014-K	DE-17-2	4	126	45	117	4	114	4	111	4	110	130*	
DE-6-115-103-2014-D	DE-17-184	4	103		(104)		107		108		108	95*	
DE-6-115-106-2014-D	DE-17-184	4	99		(99)		102		102		96	98*	
DE-6-115-107-2014-D	DE-17-184	4	98		(100)		96		96		101	98*	
DE-6-115-108-2014-D	DE-17-184	4	117		(107)		108		105		102	125*	
DE-6-115-111-2014-D	DE-17-184	4	102		(100)		101		101		90	106*	
DE-6-115-112-2014-D	DE-17-184	4	99		(103)		107		109		110	87*	
DE-6-115-114-2014-D	DE-17-184	4	116		(107)		108		105		102	124*	
DE-6-115-115-2014-D	DE-17-184	4	117		(107)		108		105		102	125*	
DE-6-115-118-2014-D	DE-17-184	4	94		(99)		96		97		104	89*	
DE-6-115-119-2014-D	DE-17-184	4	107		(105)		107		107		107	104*	
DE-6-115-120-2014	DE-17-184	4	112		(106)		107		106		104	114*	
DE-6-115-121-2014-D	DE-17-184	4	108		(105)		107		107		106	(106)	
DE-6-115-123-2014-D	DE-17-184	4	106		(105)		107		107		107	103*	

Only one Varroa trait was recorded