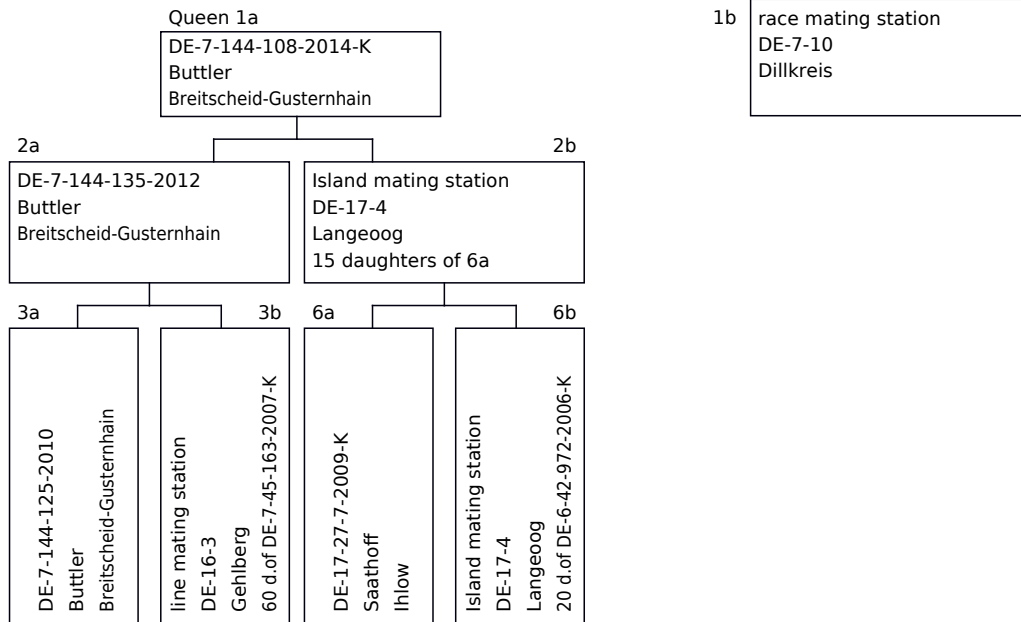


Tester of the queen: Luft, Dieter, 36110 Schlitz-Üllershausen, DE-7-184, Apiary 1  
 Breeder of the queen: Buttler, Zuchtgemeinschaft, 35767 Breitscheid-Gusternhain, DE-7-144  
**1a** Studbook number: **DE-7-144-108-2014-K**

Race line: Sign: green Daughters of Queen: 0.7%  
 Generation: Hatch date: Workers: 0%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	78.3	126.8	2	13	61.8
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	108			
Honey yield	-	117			0.38
Defensive behavior	3.40	99			0.6
Steadiness on comb	3.20	99			0.63
Swarming drive	4	108			0.39
Varroa	-	107*			0.49
Performance index	-	0			
Robustness in winter			70% 100% 170%		
Development in Spring	4				
Colony strength	3				

<sup>1</sup>In 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-7-144-108-2014-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 16

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-7-144-2-2014	DE-7-144	1	105		116		109		109		109	(100)	
DE-7-144-6-2014	DE-7-144	1	98		98		97		97		107	(97)	
DE-7-144-11-2014	DE-7-144	1	93		93		91		91		95	(97)	
DE-7-144-13-2014	DE-7-144	1	114		111		119		119		110	(105)	
DE-7-144-25-2014	DE-7-144	1	94		111		86		87		97	(96)	
DE-7-144-29-2014	DE-7-144	1	111		104		118		119		102	(105)	
DE-7-144-33-2014-K	DE-7-144	1	112		101		118		118		117	(104)	
DE-7-144-46-2014	DE-7-144	1	93		108		86		86		96	(96)	
DE-7-144-47-2014	DE-7-144	1	97		113		86		87		107	(96)	
DE-7-144-58-2014	DE-7-144	1	109		100		118		118		101	(104)	
DE-7-144-59-2014	DE-7-144	1	90		84		96		96		84	(96)	
DE-7-144-65-2014	DE-7-184	1	96	62.4	100	3.4	97	3.2	98	2	87	(98)	
DE-7-144-77-2014	DE-7-184	1	106	82.3	120	3.3	99	3.3	100	4	110	101*	
DE-7-144-106-2014	DE-7-184	1	106	75.2	114	3.6	102	3.1	103	4	112	100*	
DE-7-144-108-2014-K	DE-7-184	1	108	78.3	117	3.4	99	3.2	99	4	108	107*	
DE-7-144-113-2014	DE-7-184	1	101	64.2	104	3.5	102	3.3	103	4	110	94*	

Only one Varroa trait was recorded