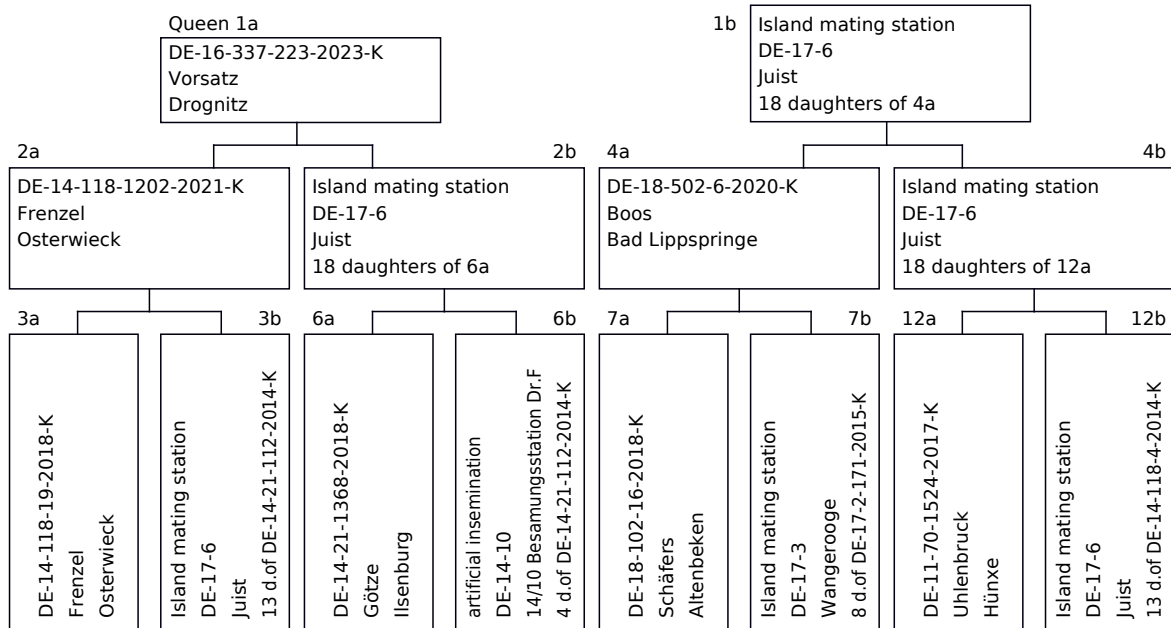


Tester of the queen: Vorsatz, Günter, 07338 Drognitz, DE-16-337, Apiary 11  
 Breeder of the queen: Vorsatz, Günter, 07338 Drognitz, DE-16-337  
**1a** Studbook number: **DE-16-337-223-2023-K**

Race line: Sign: red 90 Daughters of Queen: 9.5%  
 Generation: Hatch date: 17.06.2023 Workers: 4.0%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony A 05			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	41.8	94.6	10	13	44.2	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	104	■			
Honey yield	-	108	■			0.45
Defensive behavior	3.90	108	■			0.54
Steadiness on comb	3.90	106	■			0.53
Swarming drive	4	101	■			0.4
Varroa	-	98	■			0.47
Performance index	-	107	■			0.45
Robustness in winter			70%	100%	170%	
Development in Spring						
Colony strength	4					

<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%.

### 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-16-337-223-2023-K

## Page 2

### 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 Behavior	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-16-337-222-2023	DE-16-337	5	103	28.3	109	4	109	4	109	4	109	(96)	106
DE-16-337-231-2023	DE-16-337	5	103	32.5	109	4	107	4	105	4	101	(96)	106
DE-16-337-223-2023-K	DE-16-337	11	104	41.8	108	3.9	108	3.9	106	4	101	98	107
DE-16-337-224-2023-K	DE-16-337	11	104	62.8	112	3.9	107	3.9	106	4	102	96	108
DE-16-337-225-2023	DE-16-337	11	104	46.3	109	3.9	107	3.8	105	4	101	98	107
DE-16-337-227-2023-K	DE-16-337	11	103	48.7	110	4	108	3.8	105	4	101	96*	107
DE-16-337-228-2023	DE-16-337	11	101	18.2	105	4	108	3.7	105	4	99	94	105
DE-16-337-229-2023	DE-16-337	11	103	48.2	109	3.9	107	3.8	105	4	101	95	107
DE-16-337-230-2023	DE-16-337	11	102	56.6	111	3.9	107	3.8	105	4	101	94	107

Only one Varroa trait was recorded