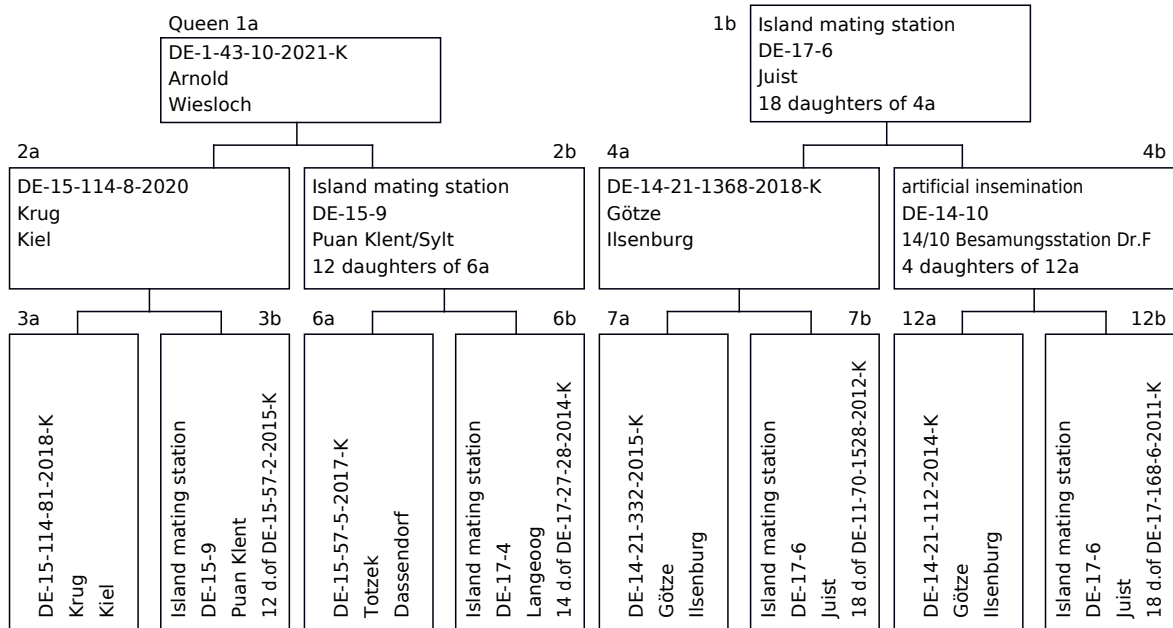




Tester of the queen: Arnold, William, 69168 Wiesloch, DE-1-43, Apiary 1
 Breeder of the queen: Arnold, William, 69168 Wiesloch, DE-1-43
1a Studbook number: **DE-1-43-10-2021-K**

Race line: -carnica Sign: white 10 Daughters of Queen: 2.6%
 Generation: 0 Hatch date: 03.06.2021 Workers: 0.1%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	37	109.2	1	9	33.9
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	104	■		
Honey yield	-	111	■		0.37
Defensive behavior	2.88	101	■		0.46
Steadiness on comb	3.25	98	■		0.46
Swarming drive	3.50	104	■		0.41
Varroa	-	101	■		0.41
Performance index	-	104	■		0.37
Robustness in winter			70%	100%	170%
Development in Spring	3				
Colony strength	3				

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 B
 Suitable for breeding.

Breeding selection report DE-1-43-10-2021-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-1-43-1-2021	DE-1-43	1	101	32	104	2.9	Behavior	2.9	97	3	104	100	99
DE-1-43-3-2021	DE-1-43	1	102	29	101	3	102	3	97	3.5	104	100	101
DE-1-43-4-2021	DE-1-43	1	101	32	105	2.6	99	3.3	97	3	101	100	101
DE-1-43-5-2021	DE-1-43	1	103	35	108	3.1	103	3.3	99	3	101	100	103
DE-1-43-10-2021-K	DE-1-43	1	104	37	111	2.9	101	3.3	98	3.5	104	101	104
DE-1-43-12-2021	DE-1-43	1	103	34	107	3	100	2.9	95	3.5	104	101	102
DE-1-43-13-2021	DE-1-43	1	103	34	108	2.8	100	3.3	98	3.5	104	100	103
DE-1-43-14-2021	DE-1-43	1	101	36	108	3.1	100	2.6	93	3	100	100*	100
DE-1-43-20-2021	DE-1-43	1	101	36	109	2.6	97	2.9	93	3	100	101	100

Only one Varroa trait was recorded