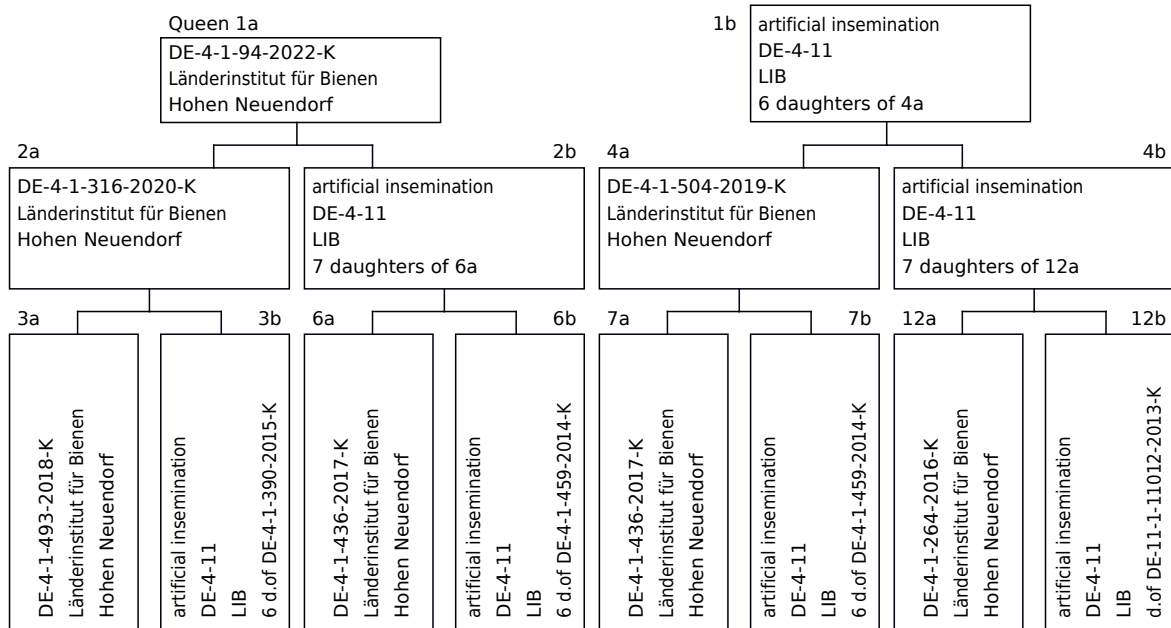


Tester of the queen: Länderinstitut für Bienenkunde, 16540 Hohen Neuendorf, DE-4-1, Apiary 2  
Breeder of the queen: Länderinstitut für Bienenkunde, 16540 Hohen Neuendorf, DE-4-1  
**1a** Studbook number: **DE-4-1-94-2022-K**

Race line: -33 Sign: yellow 94 Daughters of Queen: 7.9%  
Generation: Hatch date: 06.06.2022 Workers: 13.7%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 452			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	48.6	104.1	15	28	46.7	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	108	■			
Honey yield	-	100				0.52
Defensive behavior	3.50	95	■			0.62
Steadiness on comb	3.60	97	■			0.62
Swarming drive	4	121	■			0.58
Varroa	-	110	■			0.59
Performance index	-	103	■			0.52
Robustness in winter	3.50		70%	100%	170%	
Development in Spring	3.60					
Colony strength	3.50					

<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 B**  
Suitable for breeding.

# Breeding selection report DE-4-1-94-2022-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 8

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 ndex
DE-4-1-98-2022	DE-4-1	1	107	47.2	99	3.6	99	3.3	97	4	118	108	104
DE-4-1-102-2022-K	DE-4-1	1	104	55	100	3.5	93	2.8	95	4	118	105	101
DE-4-1-209-2022-K	DE-4-1	1	108	35.9	96	3.5	96	3.2	97	4	119	111	102
DE-4-1-210-2022-K	DE-4-1	1	106	36.5	97	3.3	95	3.4	98	4	119	106	103
DE-4-1-94-2022-K	DE-4-1	2	108	48.6	100	3.5	95	3.6	97	4	121	110	103
DE-4-1-101-2022-K	DE-4-1	2	107	63.3	102	3.6	92	3.1	92	3.7	118	110	101
DE-4-1-208-2022-K	DE-4-1	2	108	42.5	98	3.7	95	3.3	95	4	120	110	102
DE-4-1-211-2022	DE-4-1	2	106	24.5	94	3.7	97	3.6	98	3.9	120	106	103