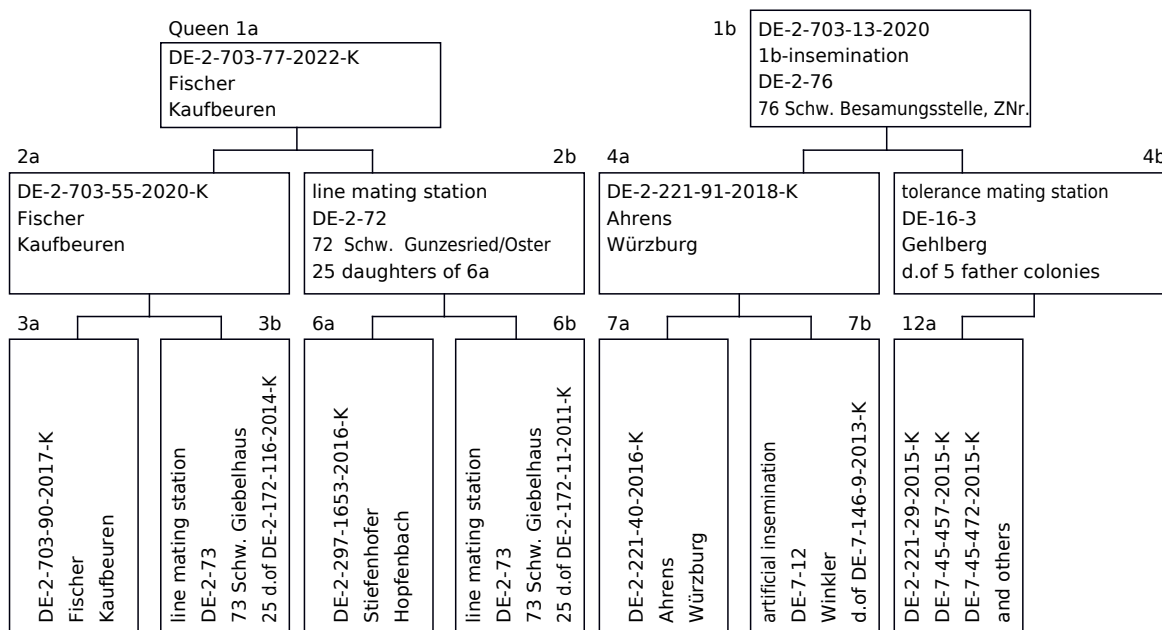


Tester of the queen: Fischer, Johann, 87600 Kaufbeuren, DE-2-703, Apiary 1  
 Breeder of the queen: Fischer, Johann, 87600 Kaufbeuren, DE-2-703  
**1a** Studbook number: **DE-2-703-77-2022-K**

Race line: -31 Sign: yellow 6 Daughters of Queen: 2.5%  
 Generation: 8 Hatch date: 23.06.2022 Workers: 0.3%

### A. Pedigree



### B. Own performance

| Performance test year                   | No. of the colony 79 |                 |         | comparable colonies at the apiary |                  |
|---|----------------------|-----------------|---------|-----------------------------------|------------------|
|   | kg                   | %               | Ranking | number                            | Yield average kg |
|   | 43.2                 | 143.8           | 1       | 12                                | 30.0             |
|   | Assessment*          | Breeding values |         |                                   | Reliability      |
| <b>Total breeding value<sup>1</sup></b> | -                    | 113             |         |                                   |                  |
| Honey yield                             | -                    | 111             |         |                                   | 0.33             |
| Defensive behavior                      | 3.50                 | 107             |         |                                   | 0.47             |
| Steadiness on comb                      | 3.50                 | 110             |         |                                   | 0.47             |
| Swarming drive                          | 4                    | 105             |         |                                   | 0.4              |
| Varroa                                  | -                    | 112             |         |                                   | 0.4              |
| Performance index                       | -                    | 110             |         |                                   | 0.33             |
| Robustness in winter                    | 4                    |                 | 70%     | 100%                              | 170%             |
| Development in Spring                   | 3                    |                 |         |                                   |                  |
| Colony strength                         |                      |                 |         |                                   |                  |

<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 Av

Selected for Varroa tolerance. Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations.

# Breeding selection report DE-2-703-77-2022-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 2

| 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-2-703-73-2022   | DE-2-703            | 1      | 106                  | 25.6     | 104                  | 3.5                | 100                               | 3.3                        | 100                     | 3              | 100                     | 105          | 104               |
| DE-2-703-77-2022-K | DE-2-703            | 1      | 113                  | 43.2     | 111                  | 3.5                | 107                               | 3.5                        | 110                     | 4              | 105                     | 112          | 110               |