

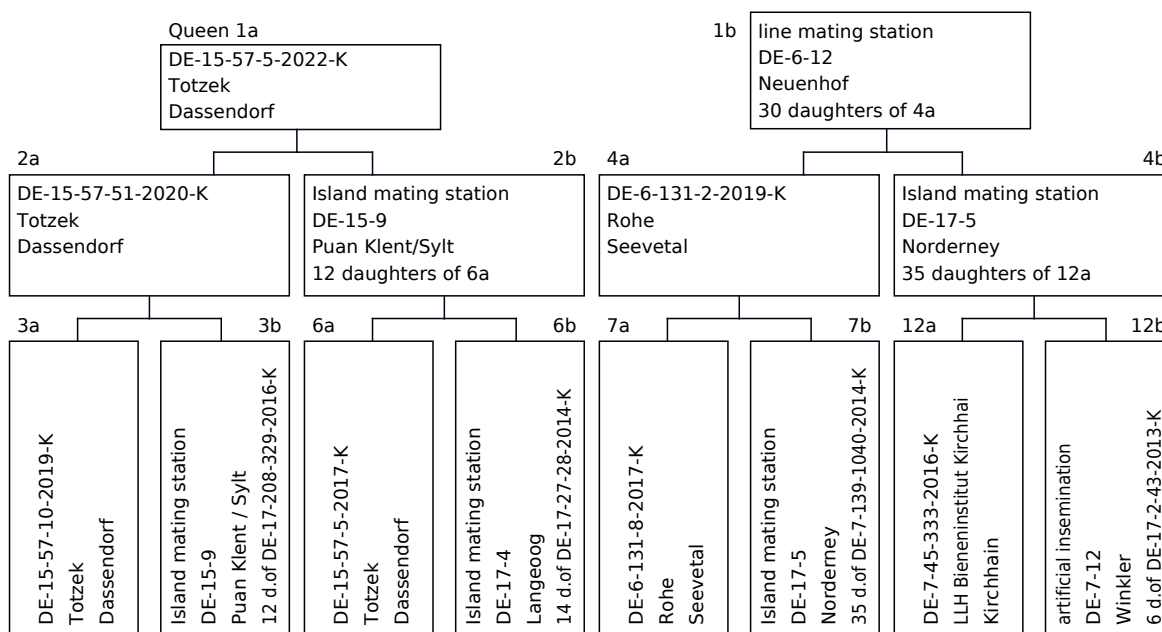
Tester of the queen: Totzek, Hans-Joachim, 21521 Dassendorf, DE-15-57, Apiary 3  
 Breeder of the queen: Totzek, Hans-Joachim, 21521 Dassendorf, DE-15-57  
**1a** Studbook number: **DE-15-57-5-2022-K**

Race line: -Fehling  
 Generation: 25

Sign: yellow 84  
 Hatch date: 06.07.2022

Daughters of  
 Queen: 4.2%  
 Workers: 1.7%

### A. Pedigree



### B. Own performance

| Performance test year                   | No. of the colony 5 |                 |         | comparable colonies at the apiary |                  |
|---|---------------------|-----------------|---------|-----------------------------------|------------------|
|   | kg                  | %               | Ranking | number                            | Yield average kg |
|   | 85                  | 126.7           | 1       | 10                                | 67.1             |
|   | Assessment*         | Breeding values |         |                                   | Reliability      |
| <b>Total breeding value<sup>1</sup></b> | -                   | 114             |         |                                   |                  |
| Honey yield                             | -                   | 115             |         |                                   | 0.43             |
| Defensive behavior                      | 4                   | 111             |         |                                   | 0.52             |
| Steadiness on comb                      | 4                   | 109             |         |                                   | 0.51             |
| Swarming drive                          | 4                   | 109             |         |                                   | 0.47             |
| Varroa                                  | -                   | 109             |         |                                   | 0.48             |
| Performance index                       | -                   | 113             |         |                                   | 0.43             |
| Robustness in winter                    | 4                   |                 | 70%     | 100%                              | 170%             |
| Development in Spring                   | 4                   |                 |         |                                   |                  |
| 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 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-15-57-5-2022-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 5

| 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-15-57-1-2022   | DE-15-57            | 3      | 107                  | 60       | 108                  | 3.8                | 109                               | 3.5                        | 106                     | 4              | 109                     | 102          | 108              |
| DE-15-57-2-2022   | DE-15-57            | 3      | 108                  | 44       | 105                  | 3.9                | 110                               | 3.9                        | 109                     | 3.8            | 108                     | 102          | 109              |
| DE-15-57-3-2022   | DE-15-57            | 3      | 107                  | 74       | 112                  | 3.8                | 108                               | 3.7                        | 106                     | 4              | 109                     | 99           | 110              |
| DE-15-57-4-2022   | DE-15-57            | 3      | 108                  | 66       | 110                  | 3.8                | 109                               | 3.8                        | 107                     | 4              | 109                     | 102          | 110              |
| DE-15-57-5-2022-K | DE-15-57            | 3      | 114                  | 85       | 115                  | 4                  | 111                               | 4                          | 109                     | 4              | 109                     | 109          | 113              |