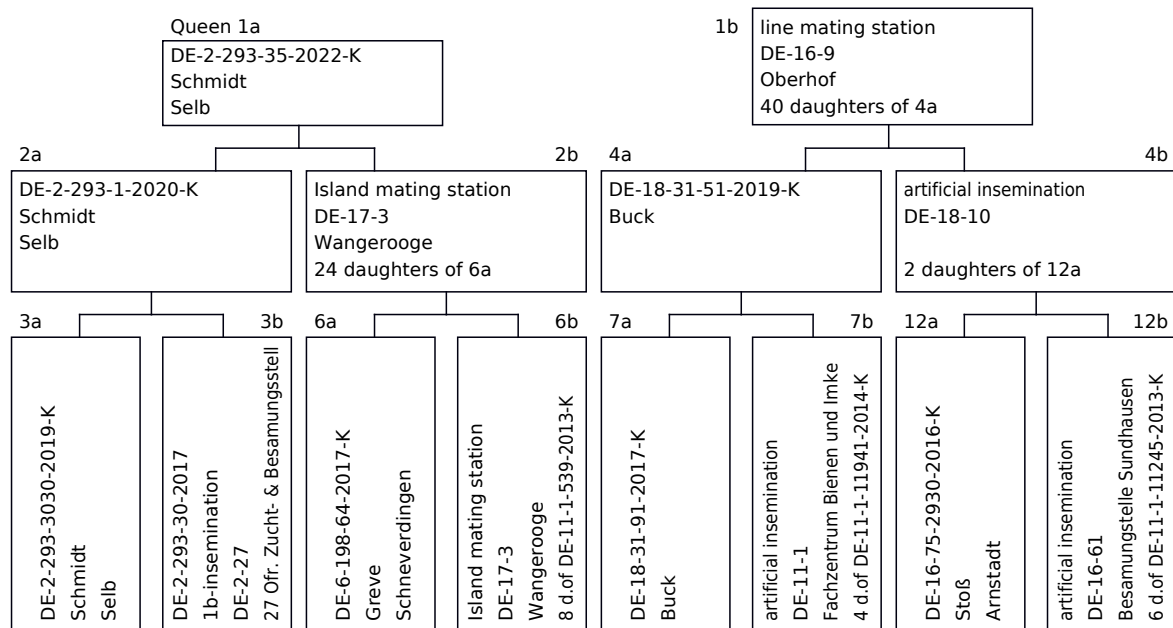


Tester of the queen: Ltg. Achim Fuchs, Prüfhof Kringell, 94116 Hutthurm, DE-2-502, Apiary 2  
Breeder of the queen: Schmidt, Florian, 95100 Selb, DE-2-293  
**1a** Studbook number: **DE-2-293-35-2022-K**

Race line: Sign: yellow  
Generation: 4 Hatch date: 22.05.2022

Daughters of Queen: 0.3%  
Workers: 1.7%

### A. Pedigree



### B. Own performance

| Performance test year                   | No. of the colony |                 |         | comparable colonies at the apiary |                  |
|---|-------------------|-----------------|---------|-----------------------------------|------------------|
|   | kg                | %               | Ranking | number                            | Yield average kg |
|   | 58.2              | 109.8           | 24      | 68                                | 53.0             |
|   | Assessment*       | Breeding values |         |                                   | Reliability      |
| <b>Total breeding value<sup>1</sup></b> | -                 | 114             |         |                                   |                  |
| Honey yield                             | -                 | 105             |         |                                   | 0.49             |
| Defensive behavior                      | 3.20              | 115             |         |                                   | 0.59             |
| Steadiness on comb                      | 3.20              | 114             |         |                                   | 0.59             |
| Swarming drive                          | 4                 | 113             |         |                                   | 0.55             |
| Varroa                                  | -                 | 108             |         |                                   | 0.57             |
| Performance index                       | -                 | 114             |         |                                   | 0.49             |
| Robustness in winter                    | 3                 |                 | 70%     | 100%                              | 170%             |
| Development in Spring                   | 3                 |                 |         |                                   |                  |
| 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 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-2-293-35-2022-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 17

| 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-2-293-4-2022    | DE-2-293            | 1      | 116                  |          | 104                  |                    | 109                               |                            | 109                     |                | 109                     | 120          | 108               |
| DE-2-293-36-2022   | DE-2-293            | 1      | 116                  |          | 103                  |                    | 111                               |                            | 109                     |                | 115                     | 115          | 111               |
| DE-2-293-43-2022   | DE-2-293            | 1      | 117                  |          | 108                  |                    | 112                               |                            | 111                     |                | 116                     | 114          | 114               |
| DE-2-293-72-2022   | DE-2-293            | 1      | 119                  |          | 107                  |                    | 113                               |                            | 112                     |                | 116                     | 117          | 114               |
| DE-2-293-31-2022-K | DE-2-502            | 2      | 107                  | 47.4     | 101                  | 2.6                | 104                               | 1.8                        | 100                     | 4              | 110                     | 107          | 104               |
| DE-2-293-34-2022-K | DE-2-502            | 2      | 112                  | 61.6     | 105                  | 2.7                | 107                               | 2.3                        | 104                     | 4              | 111                     | 111          | 108               |
| DE-2-293-35-2022-K | DE-2-502            | 2      | 114                  | 58.2     | 105                  | 3.2                | 115                               | 3.2                        | 114                     | 4              | 113                     | 108          | 114               |
| DE-2-293-46-2022-K | DE-2-502            | 2      | 112                  | 54.7     | 103                  | 2.4                | 105                               | 2.3                        | 103                     | 4              | 111                     | 113          | 107               |
| DE-2-293-49-2022-K | DE-2-502            | 2      | 121                  | 57.3     | 106                  | 3.6                | 120                               | 3.7                        | 120                     | 4              | 114                     | 116          | 118               |
| DE-2-293-74-2022-K | DE-2-502            | 2      | 117                  | 65.7     | 107                  | 3.3                | 115                               | 3.1                        | 113                     | 4              | 113                     | 114          | 114               |
| DE-2-293-16-2022-K | DE-2-503            | 2      | 119                  |          | 105                  |                    | 112                               |                            | 112                     |                | 119                     | 118          | 114               |
| DE-2-293-21-2022-K | DE-2-503            | 2      | 116                  |          | 105                  |                    | 111                               |                            | 109                     |                | 119                     | 112          | 113               |
| DE-2-293-22-2022** | DE-2-503            | 2      | 115                  |          | (104)                |                    | (111)                             |                            | (110)                   |                | (113)                   | (113)        | 111               |
| DE-2-293-26-2022-K | DE-2-503            | 2      | 118                  |          | 106                  |                    | 110                               |                            | 111                     |                | 119                     | 115          | 114               |
| DE-2-293-33-2022-K | DE-2-503            | 2      | 118                  |          | 105                  |                    | 114                               |                            | 113                     |                | 120                     | 114          | 115               |
| DE-2-293-39-2022-K | DE-2-503            | 2      | 118                  |          | 101                  |                    | 115                               |                            | 114                     |                | 114                     | 118          | 113               |
| DE-2-293-65-2022-K | DE-2-731            | 1      | 112                  |          | 99                   |                    | 110                               |                            | 107                     |                | 111                     | 111          | 108               |

Colony without performance tests