

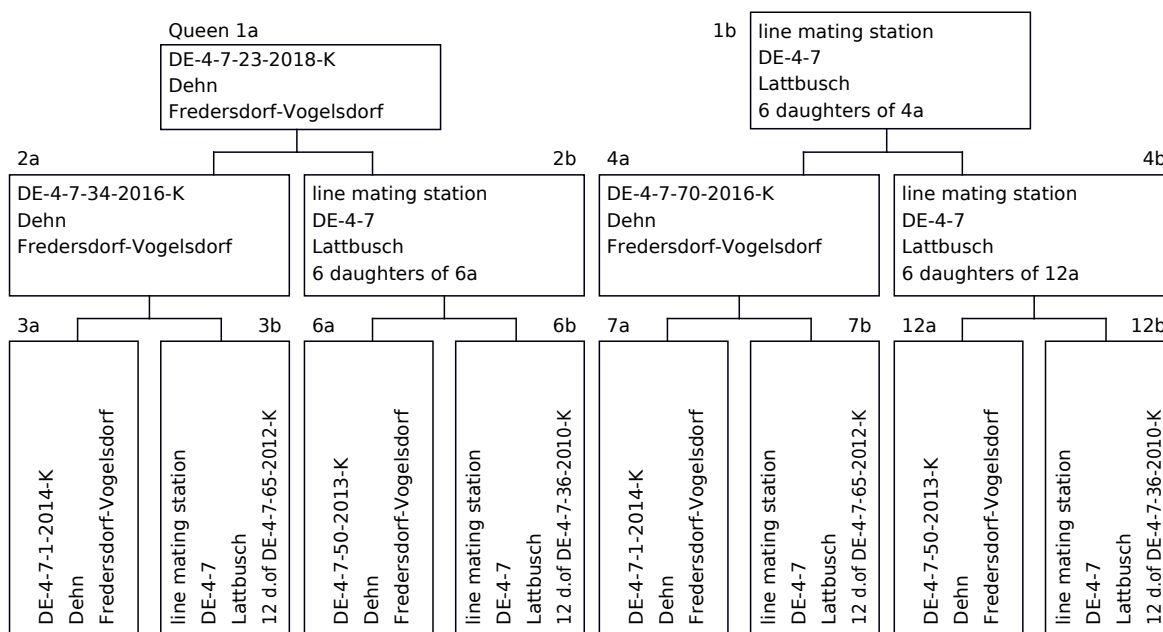
Tester of the queen: Dehn, Heinz, 15370 Fredersdorf-Vogelsdorf, DE-4-7, Apiary 2  
 Breeder of the queen: Dehn, Heinz, 15370 Fredersdorf-Vogelsdorf, DE-4-7  
**1a** Studbook number: **DE-4-7-23-2018-K**

Race line: -3  
 Generation: 11

Sign: red rot  
 Hatch date: 4.7.2018

Daughters of  
 Queen: 41.5%  
 Workers: 44.3%

### A. Pedigree



### B. Own performance

| Performance test year                   | No. of the colony 24 |                 |         | comparable colonies at the apiary |                  |      |
|---|----------------------|-----------------|---------|-----------------------------------|------------------|------|
|   | kg                   | %               | Ranking | number                            | Yield average kg |      |
|   | 42.6                 | 102.1           | 4       | 12                                | 41.7             |      |
|   | Assessment*          | Breeding values |         |                                   | Reliability      |      |
| <b>Total breeding value<sup>1</sup></b> | -                    | 92              | ■       |                                   |                  |      |
| Honey yield                             | -                    | 106             | ■       |                                   |                  | 0.68 |
| Defensive behavior                      | 4                    | 110             | ■       |                                   |                  | 0.75 |
| Steadiness on comb                      | 4                    | 107             | ■       |                                   |                  | 0.74 |
| Swarming drive                          | 4                    | 103             | ■       |                                   |                  | 0.69 |
| Varroa                                  | -                    | (71)            | ■       |                                   |                  | 0.27 |
| Performance index                       | -                    | 94              | ■       |                                   |                  | 0.74 |
| 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 A

Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

# Breeding selection report DE-4-7-23-2018-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 24

| 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 ndex |
|------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|--------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|------------------|
| DE-4-7-4-2019    | DE-4-7              | 1      | 85                   | 41       | 101                  | 4                  | Behavior                 | 4                          | 4                       | 4              | 4                       | 75           | 94               |
| DE-4-7-5-2019    | DE-4-7              | 1      | 82                   | 34       | 95                   | 4                  | 87                       | 3.5                        | 91                      | 4              | 91                      | 75           | 89               |
| DE-4-7-6-2019    | DE-4-7              | 1      | 85                   | 40       | 100                  | 4                  | 90                       | 4                          | 96                      | 4              | 92                      | 76           | 93               |
| DE-4-7-8-2019    | DE-4-7              | 1      | 84                   | 39       | 100                  | 4                  | 90                       | 4                          | 95                      | 3.5            | 90                      | 75           | 93               |
| DE-4-7-10-2019   | DE-4-7              | 1      | 84                   | 37       | 98                   | 4                  | 90                       | 4                          | 95                      | 4              | 92                      | 75           | 93               |
| DE-4-7-13-2019   | DE-4-7              | 1      | 85                   | 36       | 98                   | 4                  | 90                       | 4                          | 95                      | 4              | 92                      | 76           | 93               |
| DE-4-7-15-2019   | DE-4-7              | 1      | 83                   | 36       | 98                   | 4                  | 90                       | 4                          | 95                      | 4              | 92                      | 72           | 93               |
| DE-4-7-16-2019   | DE-4-7              | 1      | 84                   | 37       | 98                   | 4                  | 90                       | 4                          | 95                      | 4              | 92                      | 75           | 93               |
| DE-4-7-20-2019   | DE-4-7              | 1      | 84                   | 38       | 99                   | 4                  | 90                       | 4                          | 95                      | 4              | 92                      | (75)         | 93               |
| DE-4-7-30-2019   | DE-4-7              | 1      | 85                   | 44       | 103                  | 4                  | 90                       | 4                          | 96                      | 4              | 92                      | 74           | 94               |
| DE-4-7-31-2019   | DE-4-7              | 1      | 85                   | 43       | 103                  | 4                  | 90                       | 4                          | 96                      | 4              | 92                      | 76           | 94               |
| DE-4-7-50-2019   | DE-4-7              | 1      | 84                   | 33       | 96                   | 4                  | 90                       | 4                          | 95                      | 4              | 92                      | 75           | 92               |
| DE-4-7-1-2018    | DE-4-7              | 2      | 90                   | 41       | 105                  | 3.5                | 106                      | 4                          | 104                     | 4              | 103                     | (71)         | 91               |
| DE-4-7-2-2018    | DE-4-7              | 2      | 90                   | 33       | 101                  | 3.5                | 106                      | 4                          | 104                     | 4              | 103                     | (71)         | 90               |
| DE-4-7-5-2018    | DE-4-7              | 2      | 93                   | 49       | 109                  | 4                  | 110                      | 4                          | 108                     | 4              | 103                     | (71)         | 95               |
| DE-4-7-6-2018-K  | DE-4-7              | 2      | 93                   | 50       | 109                  | 4                  | 110                      | 4                          | 108                     | 4              | 103                     | (71)         | 95               |
| DE-4-7-9-2018    | DE-4-7              | 2      | 93                   | 48       | 108                  | 4                  | 110                      | 4                          | 108                     | 4              | 103                     | (71)         | 95               |
| DE-4-7-12-2018   | DE-4-7              | 2      | 92                   | 38       | 104                  | 4                  | 110                      | 4                          | 107                     | 4              | 103                     | (71)         | 93               |
| DE-4-7-13-2018   | DE-4-7              | 2      | 92                   | 40       | 105                  | 4                  | 110                      | 4                          | 107                     | 4              | 103                     | (71)         | 93               |
| DE-4-7-20-2018   | DE-4-7              | 2      | 91                   | 40       | 105                  | 4                  | 110                      | 4                          | 107                     | 3.5            | 101                     | (71)         | 93               |
| DE-4-7-23-2018-K | DE-4-7              | 2      | 92                   | 42.6     | 106                  | 4                  | 110                      | 4                          | 107                     | 4              | 103                     | (71)         | 94               |
| DE-4-7-30-2018   | DE-4-7              | 2      | 92                   | 37       | 103                  | 4                  | 110                      | 4                          | 107                     | 4              | 103                     | (71)         | 93               |
| DE-4-7-33-2018   | DE-4-7              | 2      | 92                   | 41       | 105                  | 4                  | 110                      | 4                          | 107                     | 4              | 103                     | (71)         | 94               |
| DE-4-7-35-2018   | DE-4-7              | 2      | 92                   | 41       | 105                  | 4                  | 110                      | 4                          | 107                     | 4              | 103                     | (71)         | 94               |