

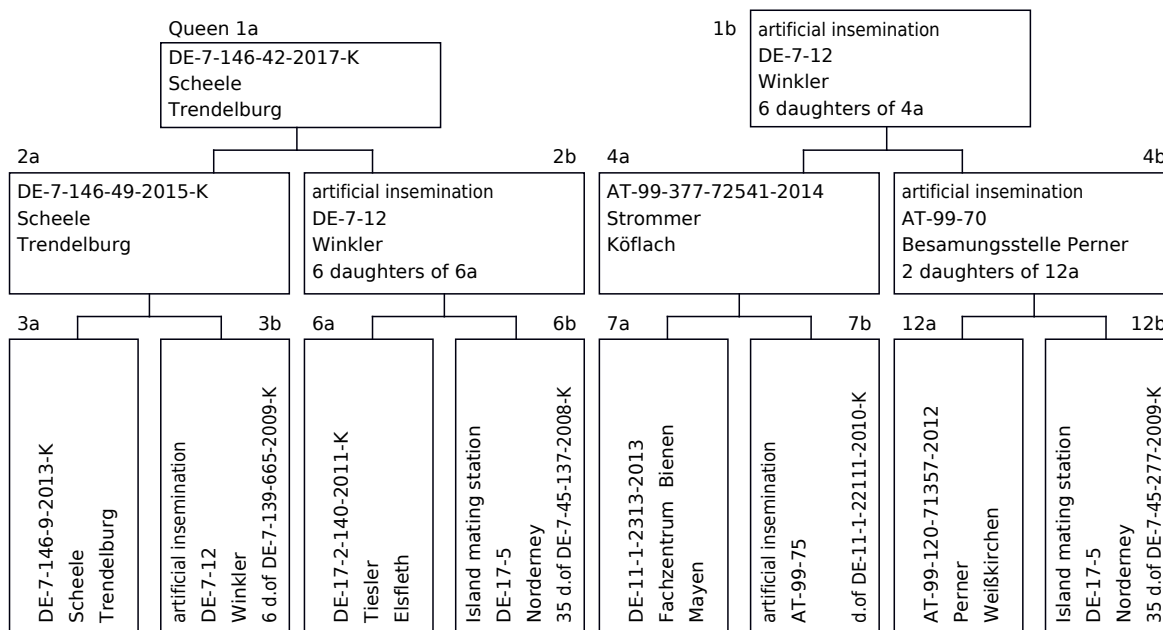
# Breeding selection report

## DE-7-146-42-2017-K

Tester of the queen: Scheele, Wolfgang, 34388 Trendelburg, DE-7-146, Apiary 1  
Breeder of the queen: Scheele, Wolfgang, 34388 Trendelburg, DE-7-146  
**1a** Studbook number: **DE-7-146-42-2017-K**

Race line: -70 Sign: yellow 42 Daughters of Queen: 1.0%  
Generation: 11 Hatch date: 04.06.2017 Workers: 1.9%

### A. Pedigree



### B. Own performance

| 3. Own performance                | No. of the colony 53 |                 |                                                                                                                                                                                                                                                                |        | comparable colonies at the apiary |  |  |  |      |             |
|-----------------------------------|----------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------|--|--|--|------|-------------|
|                                   | kg                   | %               | Ranking                                                                                                                                                                                                                                                        | number | Yield average kg                  |  |  |  |      |             |
| Performance test year             | 45.9                 | 98.1            | 7                                                                                                                                                                                                                                                              | 15     | 46.8                              |  |  |  |      |             |
|                                   | Assessment*          | Breeding values |                                                                                                                                                                                                                                                                |        |                                   |  |  |  |      | Reliability |
| Total breeding value <sup>1</sup> | -                    | 124             |                                                                                                                                                                                                                                                                |        |                                   |  |  |  |      |             |
| Honey yield                       | -                    | 105             |                                                                                                                                                                                                                                                                |        |                                   |  |  |  | 0.4  |             |
| Defensive behavior                | 3.80                 | 119             |                                                                                                                                                                                                                                                                |        |                                   |  |  |  | 0.61 |             |
| Steadiness on comb                | 3.60                 | 120             |                                                                                                                                                                                                                                                                |        |                                   |  |  |  | 0.61 |             |
| Swarming drive                    | 4.00                 | 107             |                                                                                                                                                                                                                                                                |        |                                   |  |  |  | 0.36 |             |
| Varroa                            | -                    | 126             |                                                                                                                                                                                                                                                                |        |                                   |  |  |  | 0.34 |             |
| Performance index                 | -                    | 0               |                                                                                                                                                                                                                                                                |        |                                   |  |  |  |      |             |
| Robustness in winter              |                      |                 | 70% 100% 170%                                                                                                                                                                                                                                                  |        |                                   |  |  |  |      |             |
| Development in Spring             | 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 |        |                                   |  |  |  |      |             |
| 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-7-146-42-2017-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 7

| 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 index |
|--------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|--------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|-------------------|
| DE-7-146-34-2017   | DE-2-221            | 1      | 97                   |          | 106                  |                    | Behavior                 |                            | 92                      |                | 88                      | 105          |                   |
| DE-7-146-38-2017   | DE-2-221            | 1      | 99                   |          | 114                  |                    | 86                       |                            | inspection 94           |                | 87                      | 107          |                   |
| DE-7-146-40-2017   | DE-7-45             | 1      | 108                  |          | 100                  |                    | 112                      |                            | 109                     |                | 98                      | 108          |                   |
| DE-7-146-33-2017   | DE-7-45             | 4      | 111                  |          | 99                   |                    | 119                      |                            | 122                     |                | 100                     | 104          |                   |
| DE-7-146-35-2017   | DE-7-146            | 1      | 92                   | 28.3     | 90                   | 2.3                | 94                       | 2.9                        | 93                      | 4.0            | 93                      | 93           | 91                |
| DE-7-146-37-2017   | DE-7-146            | 1      | 93                   | 40.7     | 92                   | 3.0                | 98                       | 3.0                        | 95                      | 3.0            | 85                      | 96           | 91                |
| DE-7-146-42-2017-K | DE-7-146            | 1      | 124                  | 45.9     | 105                  | 3.8                | 119                      | 3.6                        | 120                     | 4.0            | 107                     | 126          |                   |