

# Breeding selection report

## DE-16-350-121-2017-K

Tester of the queen:  
Breeder of the queen:  
**1a** Studbook number:

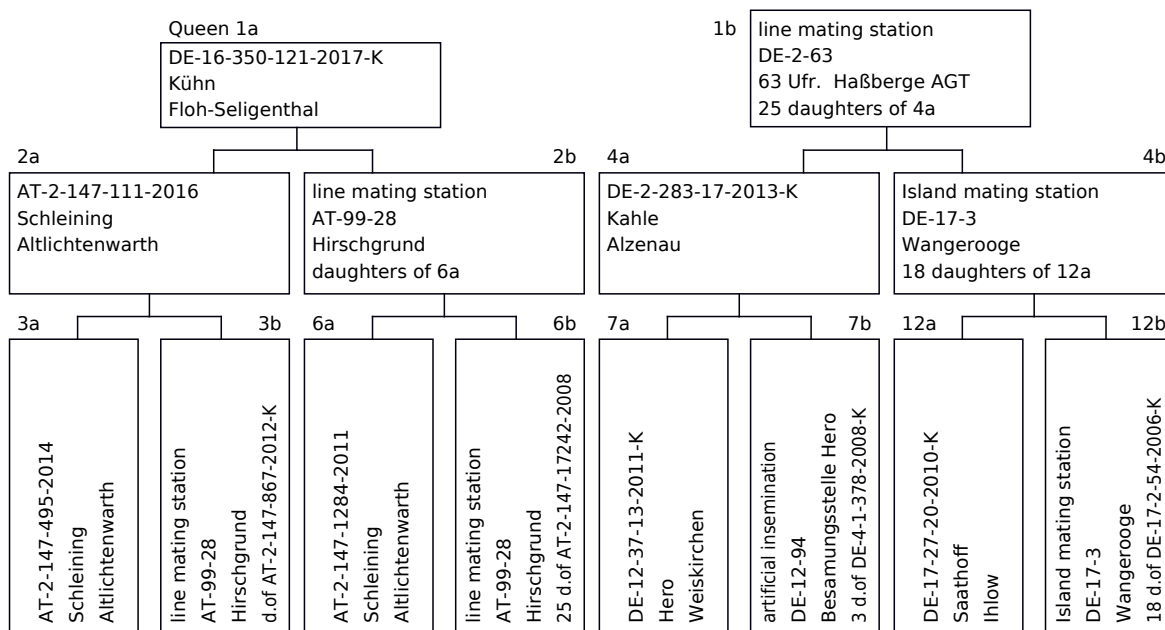
Vorsatz, Günter, 07338 Drogitz, DE-16-337, Apiary 11  
Kühn, Marcus, 98593 Floh-Seligenthal, DE-16-350  
**DE-16-350-121-2017-K**

Race line:  
Generation:

Sign: yellow 8  
Hatch date:

Daughters of  
Queen: 6.1%  
Workers: 0.0%

### A. Pedigree



### B. Own performance

| 3. Own performance                | No. of the colony |                                                                                                                                                                                                                                                                |         | comparable colonies at the apiary |                  |  |  |  |      |             |
|-----------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------|------------------|--|--|--|------|-------------|
|                                   | kg                | %                                                                                                                                                                                                                                                              | Ranking | number                            | Yield average kg |  |  |  |      |             |
| Performance test year             | 28.8              | 102.3                                                                                                                                                                                                                                                          | 3       | 5                                 | 28.2             |  |  |  |      |             |
|                                   | Assessment*       | Breeding values                                                                                                                                                                                                                                                |         |                                   |                  |  |  |  |      | Reliability |
| Total breeding value <sup>1</sup> | -                 | 113                                                                                                                                                                                                                                                            |         |                                   |                  |  |  |  |      |             |
| Honey yield                       | -                 | 99                                                                                                                                                                                                                                                             |         |                                   |                  |  |  |  | 0.36 |             |
| Defensive behavior                | 3.60              | 115                                                                                                                                                                                                                                                            |         |                                   |                  |  |  |  | 0.56 |             |
| Steadiness on comb                | 3.30              | 115                                                                                                                                                                                                                                                            |         |                                   |                  |  |  |  | 0.56 |             |
| Swarming drive                    | 4                 | 110                                                                                                                                                                                                                                                            |         |                                   |                  |  |  |  | 0.33 |             |
| Varroa                            | -                 | 109                                                                                                                                                                                                                                                            |         |                                   |                  |  |  |  | 0.32 |             |
| Performance index                 | -                 | 0                                                                                                                                                                                                                                                              |         |                                   |                  |  |  |  |      |             |
| Robustness in winter              |                   | 70% 100% 170%                                                                                                                                                                                                                                                  |         |                                   |                  |  |  |  |      |             |
| Development in Spring             |                   | <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                   | 3.80              |                                                                                                                                                                                                                                                                |         |                                   |                  |  |  |  |      |             |

<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-16-350-121-2017-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 11

| 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-16-350-115-2017   | DE-16-40            | 1      | 93                   |          | 93                   |                    | 89                                |                            | 88                      |                | 95                      |              |                   |
| DE-16-350-116-2017   | DE-16-40            | 1      | 102                  |          | 105                  |                    | 105                               |                            | 106                     |                | 100                     | 96           |                   |
| DE-16-350-154-2017** | DE-16-40            | 1      | 101                  |          | (99)                 |                    | (99)                              |                            | (99)                    |                | (101)                   | (104)        |                   |
| DE-16-350-155-2017   | DE-16-40            | 1      | 106                  |          | 101                  |                    | 104                               |                            | 104                     |                | 97                      | 110          |                   |
| DE-16-350-128-2017   | DE-16-318           | 1      | 99                   |          | 110                  |                    | 85                                |                            | 86                      |                | 88                      | 113          |                   |
| DE-16-350-120-2017   | DE-16-325           | 9      | 99                   |          | 98                   |                    | 100                               |                            | 95                      |                | 103                     | 101          |                   |
| DE-16-350-118-2017   | DE-16-334           | 10     | 91                   |          | 92                   |                    | 90                                |                            | 88                      |                | 85                      | 104          |                   |
| DE-16-350-148-2017   | DE-16-334           | 10     | 94                   |          | 85                   |                    | 84                                |                            | 85                      |                | 102                     | 108          |                   |
| DE-16-350-122-2017-K | DE-16-336           | 8      | 103                  |          | 99                   |                    | 102                               |                            | 103                     |                | 89                      | 109          |                   |
| DE-16-350-121-2017-K | DE-16-337           | 11     | 113                  | 28.8     | 99                   | 3.6                | 115                               | 3.3                        | 115                     | 4              | 110                     | 109          |                   |
| DE-16-350-125-2017   | DE-16-351           | 6      | 106                  |          | 97                   |                    | 108                               |                            | 107                     |                | 104                     | 105          |                   |

Colony without performance tests