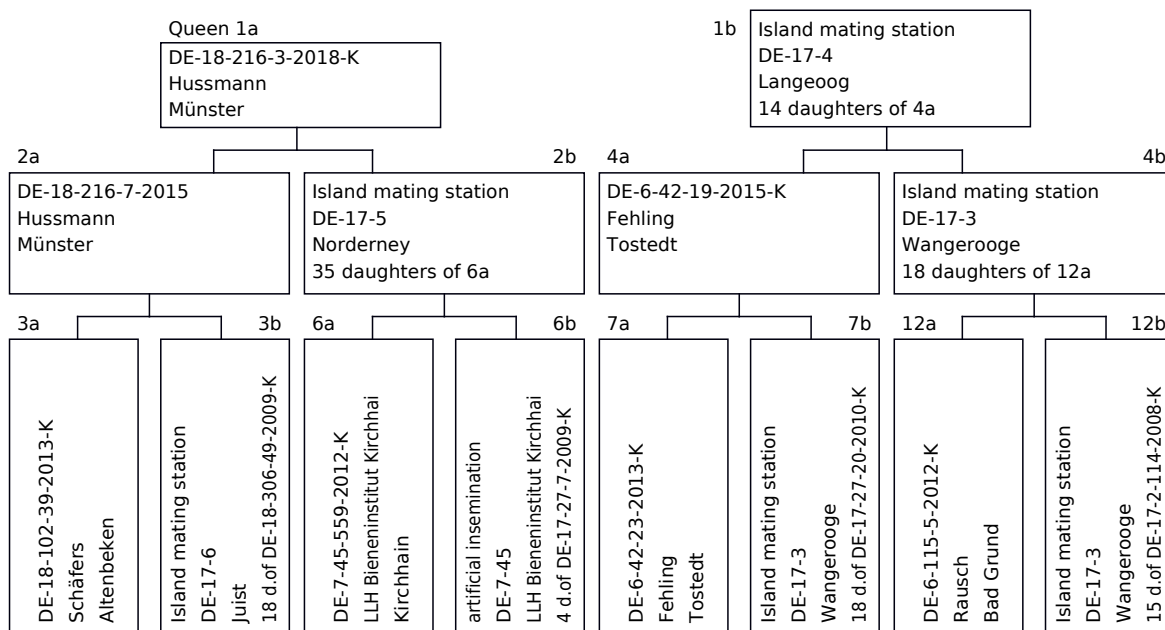


Tester of the queen: Hussmann, Ludger, 48165 Münster, DE-18-216, Apiary 1  
 Breeder of the queen: Hussmann, Ludger, 48165 Münster, DE-18-216  
**1a** Studbook number: **DE-18-216-3-2018-K**

Race line: -Carnica Sign: red 11 Daughters of Queen: 0.2%  
 Generation: 6 Hatch date: 06.06.2018 Workers: 1.2%

### A. Pedigree



### B. Own performance

| Performance test year                   | No. of the colony 8 |                 |               | comparable colonies at the apiary |                  |
|---|---------------------|-----------------|---------------|-----------------------------------|------------------|
|   | kg                  | %               | Ranking       | number                            | Yield average kg |
|   | 60                  | 176.5           | 1             | 12                                | 34               |
|   | Assessment*         | Breeding values |               |                                   | Reliability      |
| <b>Total breeding value<sup>1</sup></b> | -                   | 114             |               |                                   |                  |
| Honey yield                             | -                   | 110             |               |                                   |                  |
| Defensive behavior                      | 4                   | 119             |               |                                   |                  |
| Steadiness on comb                      | 4                   | 121             |               |                                   |                  |
| Swarming drive                          | 4                   | 120             |               |                                   |                  |
| Varroa                                  | -                   | 99*             |               |                                   |                  |
| Performance index                       | -                   | 119             |               |                                   |                  |
| 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%.

Only one Varroa trait was recorded

### 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-18-216-3-2018-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 ndex |
|--------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|--------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|------------------|
| DE-18-216-1-2018   | DE-18-216           | 1      | 102                  | 33       | 98                   | 3                  | Behavior                 | 2                          | during                  | 3              | drive                   | 98*          | 101              |
| DE-18-216-2-2018   | DE-18-216           | 1      | 108                  | 40       | 102                  | 4                  | 114                      | 3                          | inspection              | 3              | 113                     | 98*          | 111              |
| DE-18-216-3-2018-K | DE-18-216           | 1      | 114                  | 60       | 110                  | 4                  | 119                      | 4                          | 121                     | 4              | 120                     | 99*          | 119              |
| DE-18-216-4-2018   | DE-18-216           | 1      | 103                  | 10       | 96                   | 3                  | 105                      | 3                          | 107                     | 1              | 103                     | 99*          | 102              |
| DE-18-216-10-2018  | DE-18-216           | 1      | 108                  | 50       | 104                  | 4                  | 114                      | 3                          | 111                     | 3              | 113                     | 97*          | 111              |
| DE-18-216-11-2018  | DE-18-216           | 1      | 104                  | 35       | 101                  | 3                  | 105                      | 3                          | 107                     | 2              | 108                     | 97*          | 105              |
| DE-18-216-15-2018  | DE-18-216           | 1      | 98                   | 10       | 93                   | 3                  | 100                      | 2                          | 97                      | 1              | 101                     | 97*          | 97               |

Only one Varroa trait was recorded