

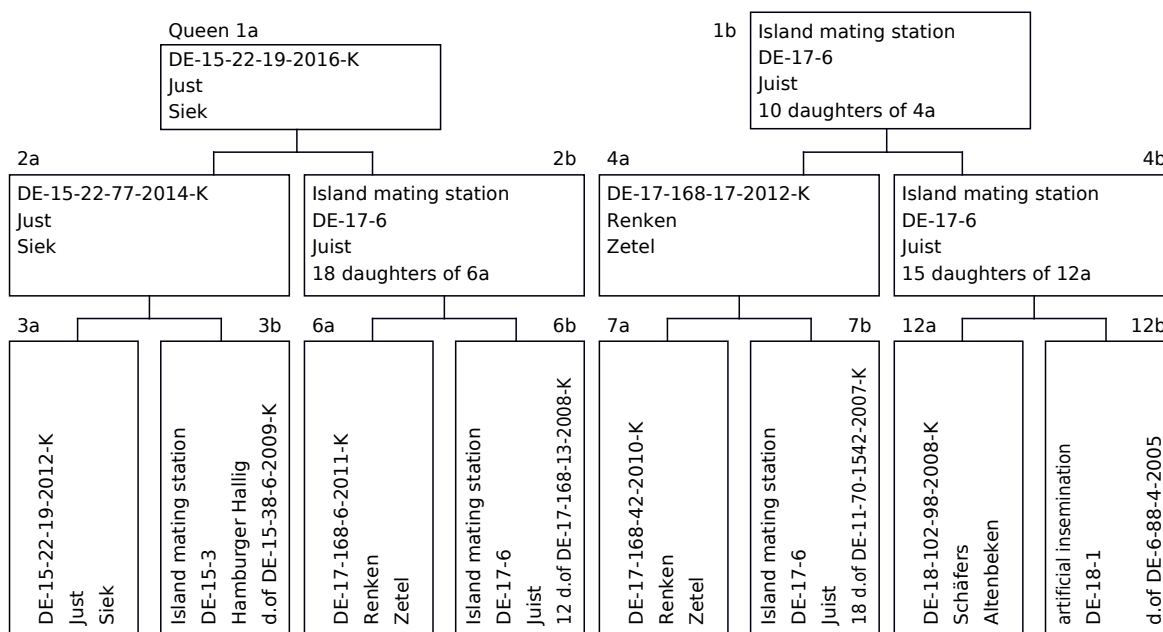
Tester of the queen: Just, Hans Heinrich, 22962 Siek, DE-15-22, Apiary 1  
 Breeder of the queen: Just, Hans Heinrich, 22962 Siek, DE-15-22  
**1a** Studbook number: **DE-15-22-19-2016-K**

Race line: -14  
 Generation:

Sign: white 19  
 Hatch date: 12.06.2016

Daughters of  
 Queen: 1.0%  
 Workers: 4.0%

### A. Pedigree



### B. Own performance

| Performance test year                   | No. of the colony 31 |                 |         | comparable colonies at the apiary |                  |      |
|---|----------------------|-----------------|---------|-----------------------------------|------------------|------|
|   | kg                   | %               | Ranking | number                            | Yield average kg |      |
|   | 54.5                 | 114.9           | 3       | 10                                | 47.5             |      |
|   | Assessment*          | Breeding values |         |                                   | Reliability      |      |
| <b>Total breeding value<sup>1</sup></b> | -                    | 108             | ■       |                                   |                  |      |
| Honey yield                             | -                    | 111             | ■       |                                   |                  | 0.41 |
| Defensive behavior                      | 4                    | 108             | ■       |                                   |                  | 0.6  |
| Steadiness on comb                      | 4                    | 108             | ■       |                                   |                  | 0.6  |
| Swarming drive                          | 4                    | 105             | ■       |                                   |                  | 0.38 |
| Varroa                                  | -                    | (101)           | ■       |                                   |                  | 0.13 |
| Performance index                       | -                    | 0               |         |                                   |                  |      |
| 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-15-22-19-2016-K

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### Performance of the sisters

Amount of checked sisters: 6

| 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-15-22-19-2016-K | DE-15-22            | 1      | 108                  | 54.5     | 111                  | 4                  | 108                      | 4                          | 108                     | 4              | 105                     | (101)        |                  |
| DE-15-22-48-2016   | DE-15-22            | 1      | 93                   | 37       | 94                   | 3.5                | 89                       | 3                          | 108                     | 4              | 99                      | (101)        |                  |
| DE-15-22-49-2016   | DE-15-22            | 1      | 108                  | 53.5     | 110                  | 4                  | 109                      | 4                          | 108                     | 4              | 105                     | (101)        |                  |
| DE-15-22-28-2016   | DE-15-22            | 2      | 108                  | 47       | 106                  | 3.5                | 111                      | 3.5                        | 110                     | 3.5            | 105                     | (101)        |                  |
| DE-15-22-32-2016   | DE-15-22            | 2      | 109                  | 56       | 114                  | 3.5                | 110                      | 3.5                        | 109                     | 3.5            | 106                     | (101)        |                  |
| DE-15-22-10-2016-K | DE-15-69            | 1      | 114                  |          | 120                  |                    | 106                      |                            | 105                     |                | 101                     | 113          |                  |