

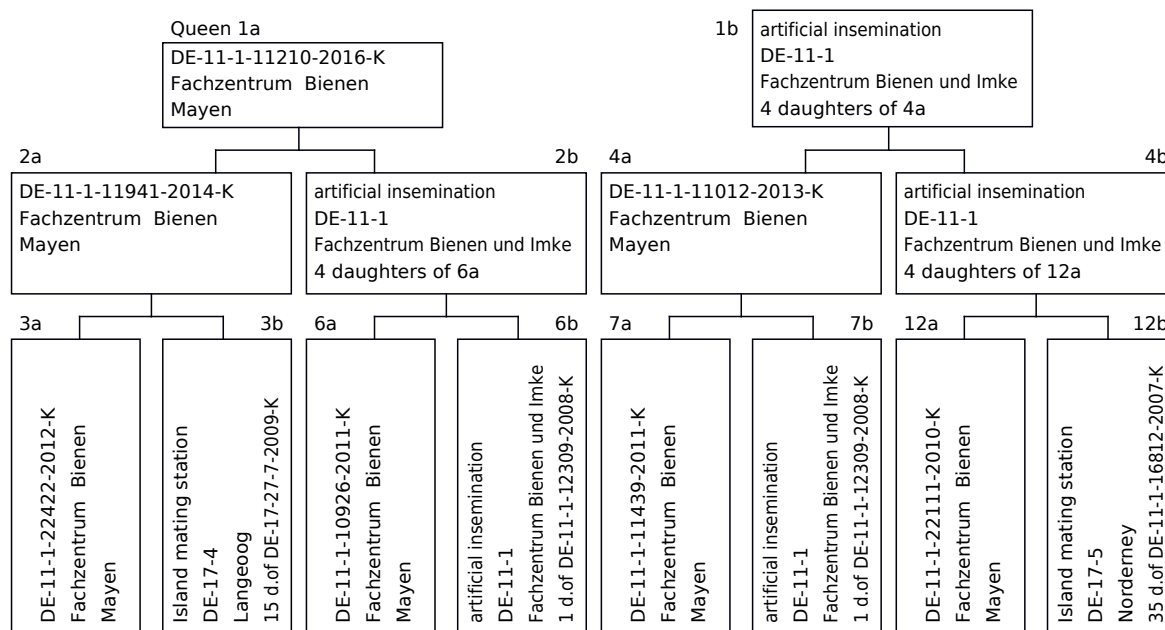
Tester of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1, Apiary 2  
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1  
**1a** Studbook number: **DE-11-1-11210-2016-K**

Race line: -72  
 Generation: 11

Sign: white 10  
 Hatch date: 31.05.2016

Daughters of  
 Queen: 4.7%  
 Workers: 8.7%

### A. Pedigree



### B. Own performance

| Performance test year                   | No. of the colony 543 |                 |               | comparable colonies at the apiary |                  |      |
|---|-----------------------|-----------------|---------------|-----------------------------------|------------------|------|
|   | kg                    | %               | Ranking       | number                            | Yield average kg |      |
|   | 24.5                  | 99.5            | 4             | 10                                | 24.6             |      |
|   | Assessment*           | Breeding values |               |                                   | Reliability      |      |
| <b>Total breeding value<sup>1</sup></b> | -                     | 127             | [Bar chart]   |                                   |                  |      |
| Honey yield                             | -                     | 102             | [Bar chart]   |                                   |                  | 0.46 |
| Defensive behavior                      | 3.90                  | 116             | [Bar chart]   |                                   |                  | 0.65 |
| Steadiness on comb                      | 3.80                  | 118             | [Bar chart]   |                                   |                  | 0.65 |
| Swarming drive                          | 4                     | 112             | [Bar chart]   |                                   |                  | 0.43 |
| Varroa                                  | -                     | 132             | [Bar chart]   |                                   |                  | 0.36 |
| Performance index                       | -                     | 0               | [Bar chart]   |                                   |                  |      |
| Robustness in winter                    |                       |                 | 70% 100% 170% |                                   |                  |      |
| Development in Spring                   |                       |                 |               |                                   |                  |      |
| Colony strength                         |                       |                 |               |                                   |                  |      |

<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-11-1-11210-2016-K

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### Performance of the sisters

Amount of checked sisters: 3

| 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-11-1-11210-2016-K | DE-11-1             | 2      | 127                  | 24.5     | 102                  | 3.9                | 116                      | 3.8                        | 118                     | 4              | 112                     | 132          |                  |
| DE-11-1-11209-2016   | DE-11-1             | 18     | 116                  | 0.1      | 95                   | 3.5                | 105                      | 3.5                        | inspection 104          | 4              | 110                     | 126          |                  |
| DE-11-1-11204-2016   | DE-11-171           | 1      | 109                  |          | 82                   |                    | 100                      |                            | 92                      |                | 110                     | 126          |                  |