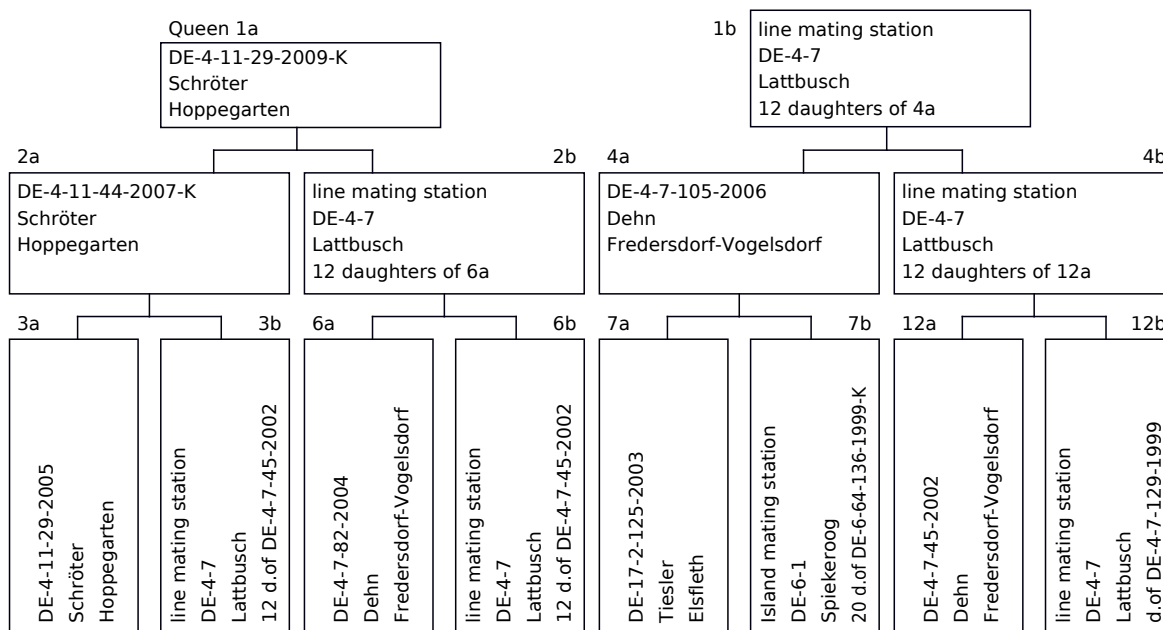


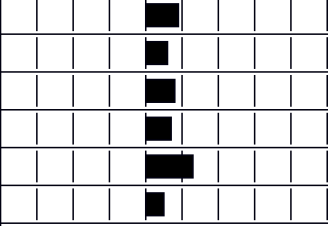
Tester of the queen: Schröter, Eberhard, 15366 Hoppegarten, DE-4-11, Apiary 1  
 Breeder of the queen: Schröter, Eberhard, 15366 Hoppegarten, DE-4-11  
**1a** Studbook number: **DE-4-11-29-2009-K**

Race line: -1 Sign: green 29 Daughters of Queen: 14.1%  
 Generation: 18 Hatch date: 23.05.2009 Workers: 9%

### A. Pedigree



### B. Own performance

| Performance test year                   | No. of the colony 4 |                 |  | comparable colonies at the apiary |                  |      |
|---|---------------------|-----------------|--|-----------------------------------|------------------|------|
|   | kg                  | %               | Ranking  | number                            | Yield average kg |      |
|   | 56                  | 102.6           | 6  | 12                                | 54.6             |      |
|   | Assessment*         | Breeding values |  |                                   | Reliability      |      |
| <b>Total breeding value<sup>1</sup></b> | -                   | 109             |  |                                   |                  |      |
| Honey yield                             | -                   | 106             |  |                                   |                  | 0.42 |
| Defensive behavior                      | 4                   | 108             |  |                                   |                  | 0.59 |
| Steadiness on comb                      | 4                   | 107             |  |                                   |                  | 0.61 |
| Swarming drive                          | 4                   | 113             |  |                                   |                  | 0.4  |
| Varroa                                  | -                   | (105)           |  |                                   |                  | 0.28 |
| Performance index                       | -                   | 0               |  |                                   |                  |      |
| Robustness in winter                    | 3                   |                 |  |                                   |                  |      |
| Development in Spring                   | 3                   |                 |  |                                   |                  |      |
| Colony strength                         | 3                   |                 |  |                                   |                  |      |

<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-4-11-29-2009-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 12

| 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 ndex |
|-------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|-----------------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|------------------|
| DE-4-11-1-2009    | DE-4-11             | 1      | 102                  | 45       | 94                   | 4                  | 109                               | 4                          | 109                     | 3              | 109                     | (102)        |                  |
| DE-4-11-12-2009   | DE-4-11             | 1      | 109                  | 62       | 112                  | 4                  | 108                               | 4                          | 108                     | 3              | 104                     | (105)        |                  |
| DE-4-11-16-2009   | DE-4-11             | 1      | 105                  | 67       | 114                  | 4                  | 98                                | 3.5                        | 97                      | 3              | 101                     | (105)        |                  |
| DE-4-11-29-2009-K | DE-4-11             | 1      | 109                  | 56       | 106                  | 4                  | 108                               | 4                          | 107                     | 4              | 113                     | (105)        |                  |
| DE-4-11-30-2009   | DE-4-11             | 1      | 93                   | 53       | 99                   | 3.5                | 94                                | 4                          | 94                      | 2              | 89                      | (96)         |                  |
| DE-4-11-48-2009   | DE-4-11             | 1      | 85                   | 45       | 88                   | 3.5                | 82                                | 3.5                        | 81                      | 3              | 87                      | (94)         |                  |
| DE-4-11-56-2009   | DE-4-11             | 1      | 106                  | 50       | 100                  | 4                  | 107                               | 4                          | 106                     | 4              | 113                     | (102)        |                  |
| DE-4-11-57-2009   | DE-4-11             | 1      | 108                  | 53       | 104                  | 4                  | 108                               | 4                          | 107                     | 4              | 114                     | (103)        |                  |
| DE-4-11-58-2009   | DE-4-11             | 1      | 112                  | 63       | 114                  | 4                  | 109                               | 4                          | 108                     | 4              | 117                     | (105)        |                  |
| DE-4-11-64-2009-K | DE-4-11             | 1      | 110                  | 60       | 111                  | 4                  | 108                               | 4                          | 108                     | 4              | 117                     | (103)        |                  |
| DE-4-11-83-2009   | DE-4-11             | 1      | 96                   | 57       | 104                  | 3.5                | 94                                | 4                          | 94                      | 3              | 95                      | (97)         |                  |
| DE-4-11-84-2009   | DE-4-11             | 1      | 95                   | 44       | 90                   | 4                  | 96                                | 3.5                        | 94                      | 3              | 94                      | (101)        |                  |