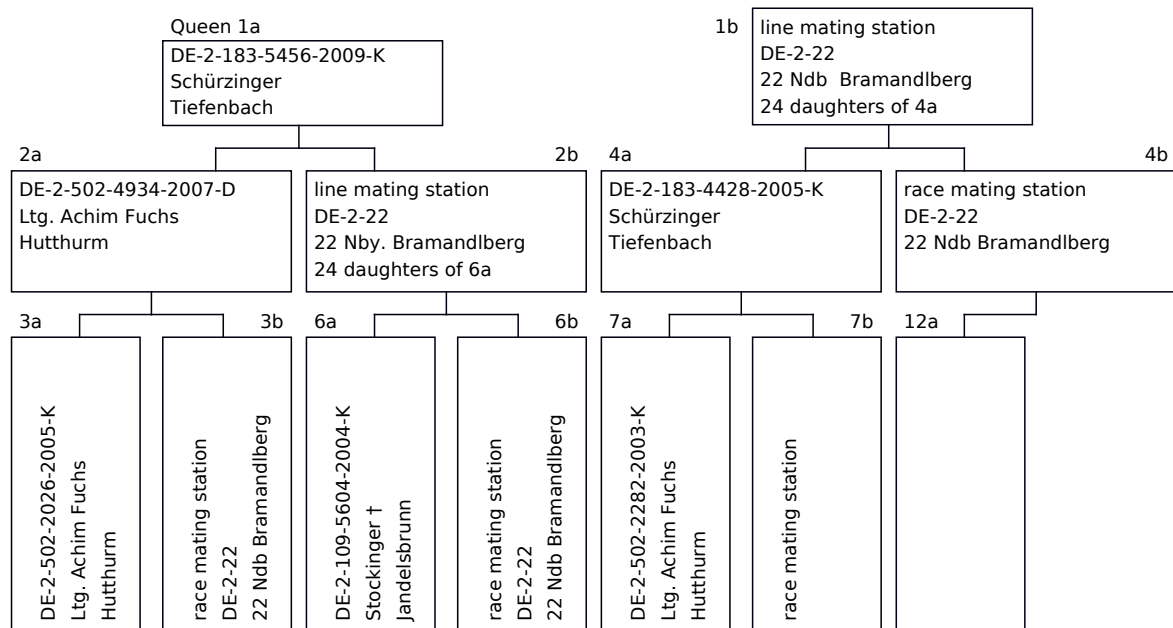


Tester of the queen: Schürzinger, Fritz, 94113 Tiefenbach, DE-2-183, Apiary 3  
Breeder of the queen: Schürzinger, Fritz, 94113 Tiefenbach, DE-2-183  
**1a** Studbook number: **DE-2-183-5456-2009-K**

Race line: Sign: green Daughters of Queen: 12.9%  
Generation: 14 Hatch date: 19.05.2009 Workers: 7.8%

### A. Pedigree



### B. Own performance

| Performance test year                   | No. of the colony Volk 49 |                 |         | comparable colonies at the apiary |                  |
|---|---------------------------|-----------------|---------|-----------------------------------|------------------|
|   | kg                        | %               | Ranking | number                            | Yield average kg |
|   | 44                        | 95.7            | 3       | 4                                 | 46               |
|   | Assessment*               | Breeding values |         |                                   | Reliability      |
| <b>Total breeding value<sup>1</sup></b> | -                         | 122             |         |                                   |                  |
| Honey yield                             | -                         | 110             |         |                                   | 0.44             |
| Defensive behavior                      | 4                         | 126             |         |                                   | 0.57             |
| Steadiness on comb                      | 4                         | 125             |         |                                   | 0.59             |
| Swarming drive                          | 4                         | 112             |         |                                   | 0.43             |
| Varroa                                  | -                         | (115)           |         |                                   | 0.33             |
| Performance index                       | -                         | 0               |         |                                   |                  |
| Robustness in winter                    | 3                         |                 | 70%     | 100%                              | 170%             |
| 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

none Analysis of race characteristics

### 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-2-183-5456-2009-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 24

| 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-2-183-5514-2009   | DE-2-183            | 1      | 100                  | 43       | 96                   | 3.5                | 100                               | 3.5                        | 100                     | 3              | 100                     | (107)        |                   |
| DE-2-183-5590-2009   | DE-2-183            | 1      | 107                  | 53       | 109                  | 3.5                | 103                               | 3.5                        | 103                     | 4              | 101                     | (108)        |                   |
| DE-2-183-5459-2009   | DE-2-183            | 2      | 108                  | 57       | 113                  | 3.5                | 103                               | 3.5                        | 103                     | 4              | 100                     | (108)        |                   |
| DE-2-183-5460-2009   | DE-2-183            | 2      | 117                  | 54       | 112                  | 4                  | 115                               | 3.5                        | 115                     | 4              | 106                     | (114)        |                   |
| DE-2-183-5588-2009   | DE-2-183            | 2      | 115                  | 50       | 107                  | 4                  | 115                               | 3.5                        | 114                     | 4              | 104                     | (114)        |                   |
| DE-2-183-5456-2009-K | DE-2-183            | 3      | 122                  | 44       | 110                  | 4                  | 126                               | 4                          | 125                     | 4              | 112                     | (115)        |                   |
| DE-2-183-5457-2009   | DE-2-183            | 3      | 99                   | 41       | 98                   | 3.5                | 96                                | 3                          | 96                      | 3              | 84                      | (107)        |                   |
| DE-2-183-5510-2009   | DE-2-183            | 3      | 104                  | 49       | 108                  | 3.5                | 97                                | 3                          | 97                      | 4              | 100                     | (108)        |                   |
| DE-2-183-5511-2009   | DE-2-183            | 3      | 108                  | 50       | 110                  | 3.5                | 103                               | 3.5                        | 103                     | 4              | 103                     | (108)        |                   |
| DE-2-183-5450-2009   | DE-2-183            | 4      | 110                  | 52       | 111                  | 3.5                | 106                               | 3.5                        | 106                     | 4              | 103                     | (110)        |                   |
| DE-2-183-5461-2009   | DE-2-183            | 4      | 111                  | 54       | 113                  | 3.5                | 107                               | 3.5                        | 107                     | 4              | 103                     | (110)        |                   |
| DE-2-183-5463-2009   | DE-2-183            | 4      | 100                  | 40       | 96                   | 3.5                | 97                                | 3                          | 96                      | 4              | 95                      | (107)        |                   |
| DE-2-183-5466-2009   | DE-2-183            | 4      | 126                  | 57       | 119                  | 4                  | 124                               | 3.5                        | 123                     | 4              | 113                     | (119)        |                   |
| DE-2-183-5468-2009-K | DE-2-183            | 4      | 111                  | 55       | 114                  | 3.5                | 107                               | 3.5                        | 107                     | 4              | 103                     | (110)        |                   |
| DE-2-183-5516-2009   | DE-2-183            | 4      | 110                  | 53       | 112                  | 3.5                | 107                               | 3.5                        | 107                     | 4              | 103                     | (110)        |                   |
| DE-2-183-5453-2009   | DE-2-183            | 5      | 106                  | 57       | 107                  | 3.5                | 102                               | 3.5                        | 102                     | 4              | 99                      | (107)        |                   |
| DE-2-183-5458-2009   | DE-2-183            | 5      | 99                   | 50       | 98                   | 3.5                | 95                                | 3                          | 95                      | 4              | 95                      | (106)        |                   |
| DE-2-183-5512-2009   | DE-2-183            | 5      | 103                  | 59       | 107                  | 3.5                | 96                                | 3                          | 96                      | 4              | 98                      | (107)        |                   |
| DE-2-183-5591-2009   | DE-2-183            | 5      | 105                  | 54       | 104                  | 3.5                | 102                               | 3.5                        | 102                     | 4              | 98                      | (107)        |                   |
| DE-2-502-5491-2009-K | DE-2-502            | 2      | 119                  |          | 113                  |                    | 115                               |                            | 115                     |                | 104                     | 119          |                   |
| DE-2-502-5492-2009-K | DE-2-502            | 2      | 102                  |          | 94                   |                    | 107                               |                            | 108                     |                | 98                      | 102          |                   |
| DE-2-502-5493-2009-K | DE-2-502            | 2      | 107                  |          | 110                  |                    | 97                                |                            | 96                      |                | 96                      | 115          |                   |
| DE-2-502-5494-2009-K | DE-2-502            | 2      | 113                  |          | 114                  |                    | 111                               |                            | 112                     |                | 105                     | 109          |                   |
| DE-2-502-5495-2009-K | DE-2-502            | 2      | 99                   |          | 101                  |                    | 97                                |                            | 97                      |                | 96                      | 102          |                   |