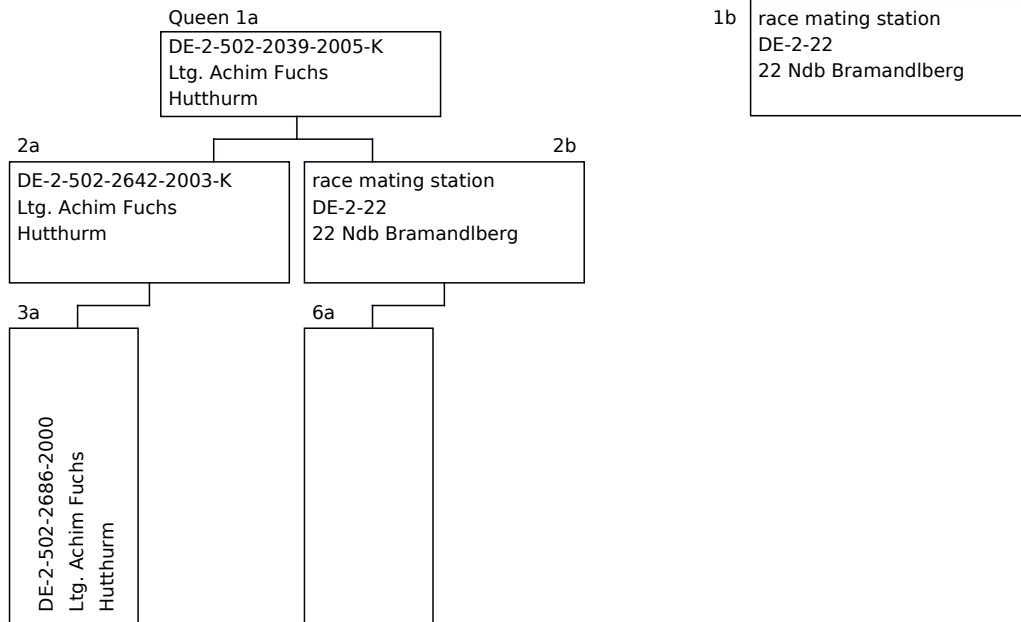


Tester of the queen: Ltg. Achim Fuchs, Prüfhof Kringell, 94116 Hutthurm, DE-2-502, Apiary 2  
 Breeder of the queen: Ltg. Achim Fuchs, Prüfhof Kringell, 94116 Hutthurm, DE-2-502  
**1a** Studbook number: **DE-2-502-2039-2005-K**

Race line: -2 Sign: blue Daughters of Queen: 0%  
 Generation: Hatch date: Workers: 4.3%

### A. Pedigree



### B. Own performance

| Performance test year                   | No. of the colony |                 |         | comparable colonies at the apiary |                  |
|---|-------------------|-----------------|---------|-----------------------------------|------------------|
|   | kg                | %               | Ranking | number                            | Yield average kg |
|   | 72.8              | 114.5           | 13      | 54                                | 63.6             |
|   | Assessment*       | Breeding values |         |                                   | Reliability      |
| <b>Total breeding value<sup>1</sup></b> | -                 | 124             |         |                                   |                  |
| Honey yield                             | -                 | 111             |         |                                   | 0.49             |
| Defensive behavior                      | 3.90              | 125             |         |                                   | 0.69             |
| Steadiness on comb                      | 3.70              | 125             |         |                                   | 0.7              |
| Swarming drive                          | 4                 | 105             |         |                                   | 0.47             |
| Varroa                                  | -                 | 122*            |         |                                   | 0.34             |
| Performance index                       | -                 | 0               |         |                                   |                  |
| 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%.

Only one Varroa trait was recorded

### 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-2-502-2039-2005-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 5

| 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-2-183-4343-2005-K | DE-2-183            | 1      | 119                  |          | 116                  |                    | Behavior                          |                            | during inspection       |                | drove                   | (121)        |                   |
| DE-2-502-2013-2005   | DE-2-502            | 2      | 104                  | 74.4     | 106                  | 3.5                | 105                               | 3.2                        | 105                     | 3              | 88                      | 106*         |                   |
| DE-2-502-2026-2005-K | DE-2-502            | 2      | 122                  | 67.3     | 108                  | 4                  | 131                               | 3.8                        | 132                     | 4              | 110                     | 112*         |                   |
| DE-2-502-2039-2005-K | DE-2-502            | 2      | 124                  | 72.8     | 111                  | 3.9                | 125                               | 3.7                        | 125                     | 4              | 105                     | 122*         |                   |
| DE-2-502-2052-2005   | DE-2-502            | 2      | 110                  | 71.2     | 106                  | 3.5                | 109                               | 3.5                        | 109                     | 4              | 99                      | 111*         |                   |

Only one Varroa trait was recorded