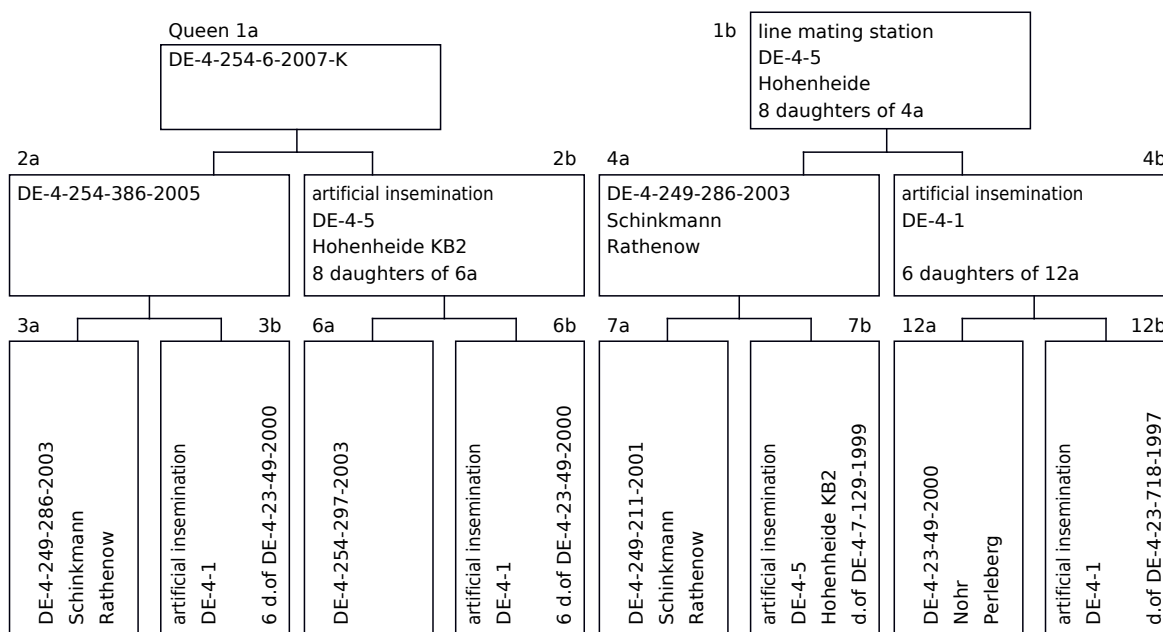


Tester of the queen: DE-4-254, Apiary 1  
Breeder of the queen: DE-4-254  
**1a** Studbook number: **DE-4-254-6-2007-K**

Race line: Sign: yellow 26  
Generation: Hatch date: 7.6.2007

Daughters of  
Queen: 10.6%  
Workers: 13.8%

### A. Pedigree



### B. Own performance

| Performance test year                   | No. of the colony 4 |                 |         | comparable colonies at the apiary |                  |
|---|---------------------|-----------------|---------|-----------------------------------|------------------|
|   | kg                  | %               | Ranking | number                            | Yield average kg |
|   | 46                  | 109.9           | 1       | 15                                | 41.9             |
|   | Assessment*         | Breeding values |         |                                   | Reliability      |
| <b>Total breeding value<sup>1</sup></b> | -                   | 116             |         |                                   |                  |
| Honey yield                             | -                   | 118             |         |                                   | 0.41             |
| Defensive behavior                      | 4                   | 110             |         |                                   | 0.59             |
| Steadiness on comb                      | 4                   | 110             |         |                                   | 0.61             |
| Swarming drive                          | 3                   | 100             |         |                                   | 0.38             |
| Varroa                                  | -                   | (118)           |         |                                   | 0.18             |
| 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

none Analysis of race characteristics

### E. Results

**Class B**  
Suitable for breeding.

# Breeding selection report DE-4-254-6-2007-K

## Page 2

### 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 Behavior | Calmness during inspection | Breeding Value Calmness | Swarming drive | Breeding Value Swarming | Varroa-index | Performance index |
|--------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|-----------------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|-------------------|
| DE-4-254-5-2007-K  | DE-4-254            | 1      | 108                  | 44       | 110                  | 4                  | 94                                | 3                          | 93                      | 3              | 88                      | (115)        |                   |
| DE-4-254-6-2007-K  | DE-4-254            | 1      | 116                  | 46       | 118                  | 4                  | 110                               | 4                          | 110                     | 3              | 100                     | (118)        |                   |
| DE-4-254-16-2007-K | DE-4-278            | 1      | 103                  |          | 107                  |                    | 94                                |                            | 93                      |                | 88                      | (114)        |                   |