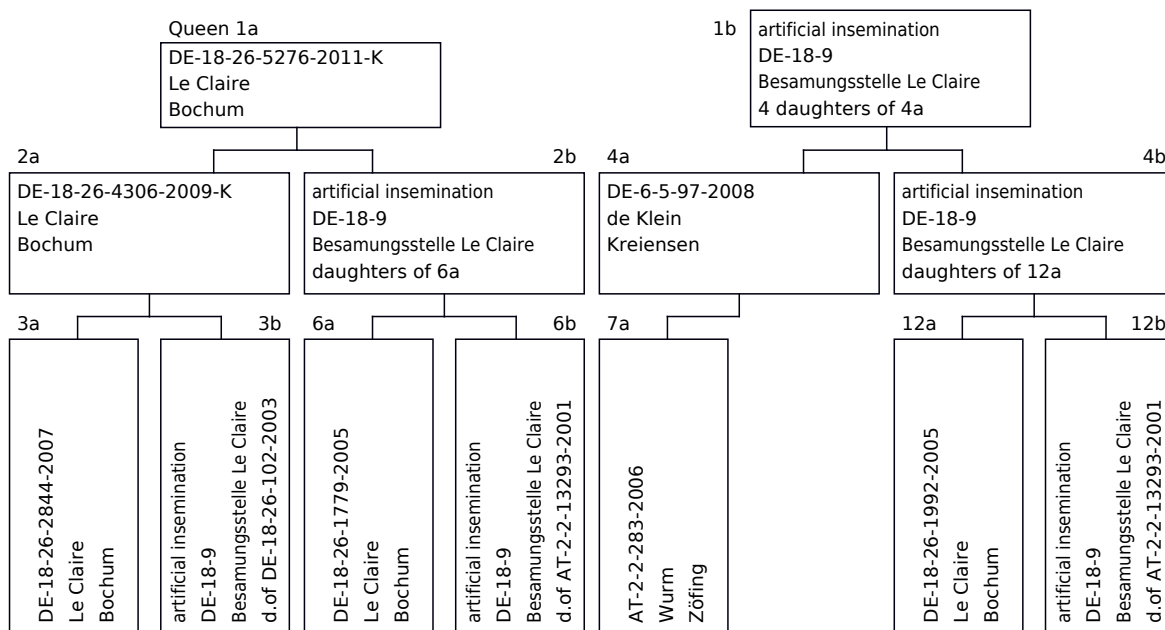


Tester of the queen: Le Claire, Andreas, 44793 Bochum, DE-18-26, Apiary 1
 Breeder of the queen: Le Claire, Andreas, 44793 Bochum, DE-18-26
1a Studbook number: **DE-18-26-5276-2011-K**

Race line: Sign: white 76
 Generation: 8 Hatch date: 24.06.2011

Daughters of Queen: 5.1%
 Workers: 1.6%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony | | | comparable colonies at the apiary | |
|-----------------------------------------|-------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 36.4 | 101.1 | 6 | 13 | 36.0 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 89 | | | |
| Honey yield | - | 102 | | | 0.51 |
| Defensive behavior | 4 | 86 | | | 0.63 |
| Steadiness on comb | 4 | 86 | | | 0.62 |
| Swarming drive | 4 | 96 | | | 0.55 |
| Varroa | - | 87 | | | 0.56 |
| Performance index | - | 91 | | | 0.52 |
| Robustness in winter | 3.50 | 70% 100% 170% | | | |
| Development in Spring | 3.50 | | | | |
| Colony strength | 3.50 | | | | |

¹In 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 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-18-26-5276-2011-K

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Performance of the sisters

Amount of checked sisters: 4

| 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-18-26-5265-2011 | DE-18-26 | 1 | 78 | 29.9 | 94 | 3 | 3 | 3 | 3 | 3.5 | 3.5 | 84 | 77 |
| DE-18-26-5268-2011 | DE-18-26 | 1 | 83 | 22.7 | 91 | 3.5 | 80 | 3.5 | 81 | 4 | 90 | 86 | 83 |
| DE-18-26-5271-2011-K | DE-18-26 | 1 | 86 | 39.7 | 100 | 3.6 | 78 | 3.6 | 79 | 4 | 95 | 89 | 86 |
| DE-18-26-5276-2011-K | DE-18-26 | 1 | 89 | 36.4 | 102 | 4 | 86 | 4 | 86 | 4 | 96 | 87 | 91 |