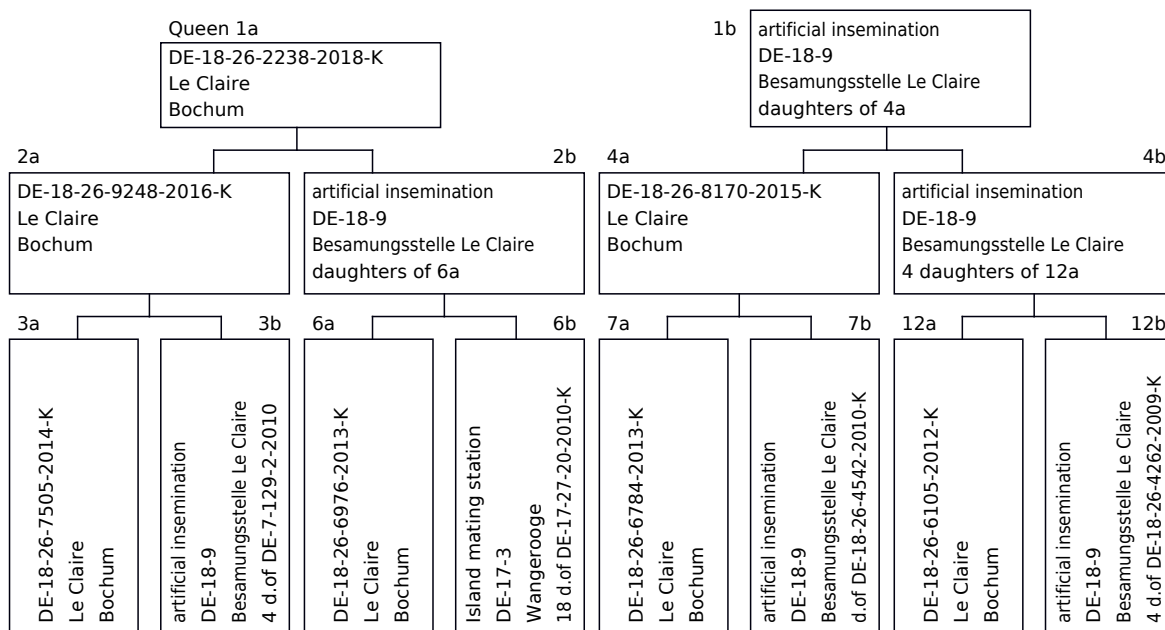


Tester of the queen: Le Claire, Andreas, 44793 Bochum, DE-18-26, Apiary 4
 Breeder of the queen: Le Claire, Andreas, 44793 Bochum, DE-18-26
1a Studbook number: **DE-18-26-2238-2018-K**

Race line: Sign: red 38 Daughters of Queen: 1.5%
 Generation: Hatch date: 25.05.2018 Workers: 4.5%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony 19 | | | comparable colonies at the apiary | |
|---|----------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 78.2 | 138.3 | 1 | 25 | 56.5 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 106 | | | |
| Honey yield | - | 126 | | | 0.35 |
| Defensive behavior | 4 | 103 | | | 0.51 |
| Steadiness on comb | 4 | 109 | | | 0.51 |
| Swarming drive | 4 | 101 | | | 0.37 |
| Varroa | - | 94 | | | 0.27 |
| Performance index | - | 110 | | | 0.38 |
| Robustness in winter | 4 | | 70% | 100% | 170% |
| Development in Spring | 4 | | | | |
| Colony strength | 4 | | | | |

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 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-18-26-2238-2018-K

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Performance of the sisters

Amount of checked sisters: 6

| 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-18-26-2231-2018 | DE-18-26 | 4 | 108 | 58.3 | 118 | 4 | 109 | 4 | 109 | 4 | 101 | 101 | 108 |
| DE-18-26-2234-2018 | DE-18-26 | 4 | 99 | 49.4 | 114 | 3.9 | 102 | 3.9 | 107 | 1 | 85 | 93 | 101 |
| DE-18-26-2236-2018 | DE-18-26 | 4 | 106 | 69.1 | 123 | 4 | 103 | 4 | 109 | 4 | 101 | 96 | 109 |
| DE-18-26-2237-2018 | DE-18-26 | 4 | 106 | 49.1 | 115 | 4 | 104 | 4 | 109 | 4 | 101 | 97 | 107 |
| DE-18-26-2238-2018-K | DE-18-26 | 4 | 106 | 78.2 | 126 | 4 | 103 | 4 | 109 | 4 | 101 | 94 | 110 |
| DE-18-26-2239-2018 | DE-18-26 | 5 | 110 | 67.8 | 122 | 4 | 107 | 4 | 112 | 4 | 103 | 99 | 112 |