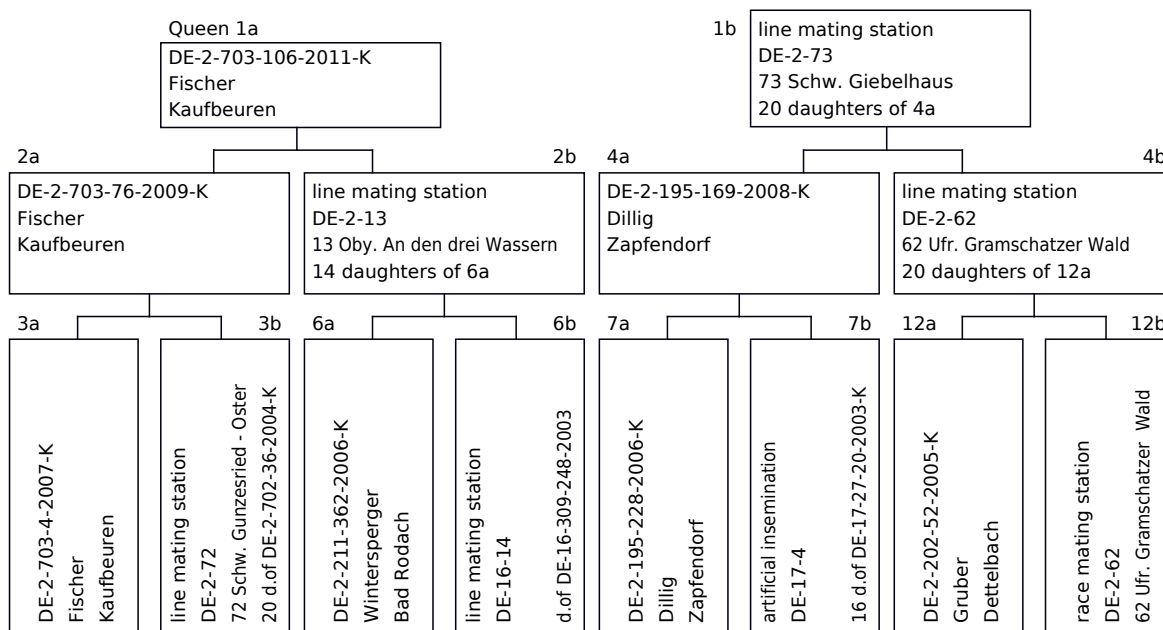


Tester of the queen: Fischer, Johann, 87600 Kaufbeuren, DE-2-703, Apiary 1
 Breeder of the queen: Fischer, Johann, 87600 Kaufbeuren, DE-2-703
1a Studbook number: **DE-2-703-106-2011-K**

Race line: -3 Sign: white 98 Daughters of Queen: 1%
 Generation: 4 Hatch date: 13.06.2011 Workers: 0.6%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony | | | comparable colonies at the apiary | | |
|---|-------------------|-------|-----------------|-----------------------------------|------------------|-------------|
| | kg | % | Ranking | number | Yield average kg | |
| | 30.2 | 246.3 | 1 | 11 | 12.3 | |
| | Assessment* | | Breeding values | | | Reliability |
| Total breeding value¹ | - | 110 | | | | |
| Honey yield | - | 117 | | | | 0.39 |
| Defensive behavior | 3.50 | 109 | | | | 0.59 |
| Steadiness on comb | 3.40 | 109 | | | | 0.61 |
| Swarming drive | 4 | 112 | | | | 0.37 |
| Varroa | - | 102* | | | | 0.22 |
| Performance index | - | 0 | | | | |
| Robustness in winter | | | 70% | 100% | 170% | |
| Development in Spring | | | | | | |
| Colony strength | | | | | | |

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%.

Only one Varroa trait was recorded

C. Performance of the sisters

See page 2

D. Body features, see appendix

See attached characteristic documents:

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-2-703-106-2011-K

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Performance of the sisters

Amount of checked sisters: 9

| Studbook number | Tester of the queen | Apiary | Total breeding value | Yield kg | Breeding Value Honey | Defensive behavior | Breeding Value Defensive | Calmness during inspection | Breeding Value Calmness | Swarming drive | Breeding Value Swarming | Varroa-index | Performance index |
|---------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|--------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|-------------------|
| DE-2-703-81-2012-K | DE-2-703 | 1 | 105 | 45.6 | 107 | 3.4 | Behavior | 3 | 107 | 4 | drive | (99) | |
| DE-2-703-80-2012 | DE-2-703 | 6 | 99 | 26 | 100 | 3.4 | 103 | 2.9 | inspection 103 | 3 | 96 | (97) | |
| DE-2-703-53-2011 | DE-2-703 | 1 | 100 | 8.6 | 101 | 3.5 | 103 | 3.2 | 103 | 3 | 91 | 100* | |
| DE-2-703-67-2011-K | DE-2-703 | 1 | 104 | 18.4 | 109 | 3.3 | 103 | 3.5 | 104 | 4 | 107 | 99* | |
| DE-2-703-104-2011 | DE-2-703 | 1 | 110 | 23 | 113 | 3.5 | 110 | 3.5 | 111 | 4 | 112 | 101* | |
| DE-2-703-106-2011-K | DE-2-703 | 1 | 110 | 30.2 | 117 | 3.5 | 109 | 3.4 | 109 | 4 | 112 | 102* | |
| DE-2-703-108-2011 | DE-2-703 | 1 | 105 | 4 | 101 | 3.5 | 109 | 3.5 | 109 | 4 | 108 | 100* | |
| DE-2-703-61-2011 | DE-2-703 | 2 | 100 | 9.6 | 101 | 3.2 | 102 | 3 | 102 | 4 | 104 | (96) | |
| DE-2-703-109-2011 | DE-2-703 | 2 | 109 | 22 | 112 | 3.5 | 110 | 3 | 110 | 4 | 111 | (101) | |

Only one Varroa trait was recorded