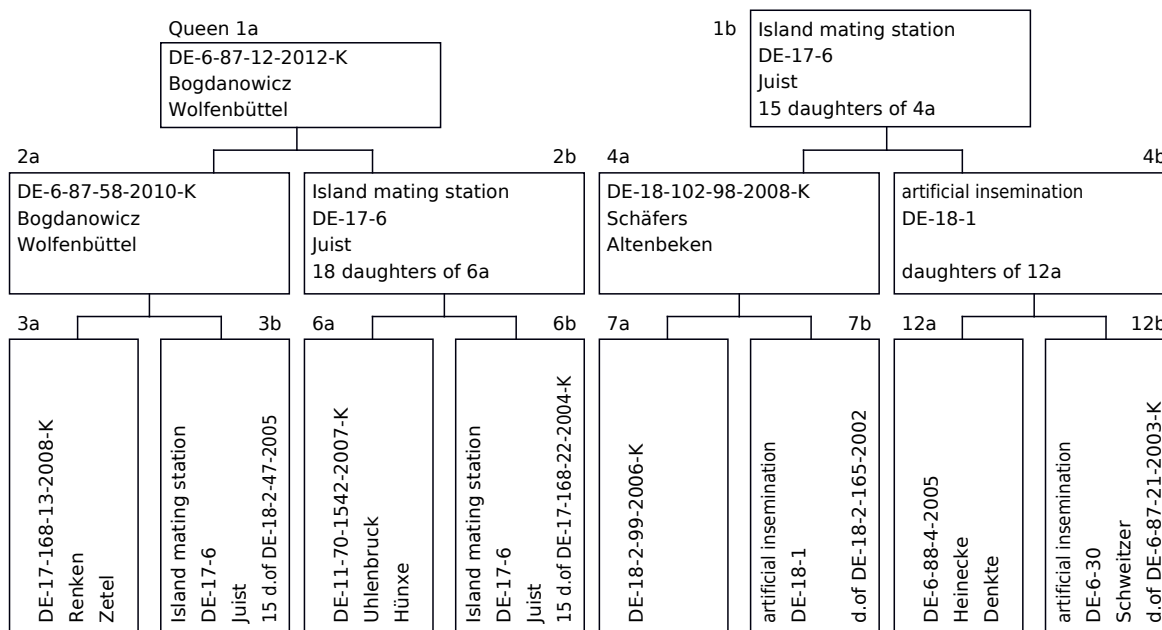


Tester of the queen: Bogdanowicz, Wilhelm, Wolfenbüttel, DE-6-87, Apiary 1
 Breeder of the queen: Bogdanowicz, Wilhelm, Wolfenbüttel, DE-6-87
1a Studbook number: **DE-6-87-12-2012-K**

Race line: -14 Sign: yellow 24 Daughters of Queen: 1%
 Generation: 10 Hatch date: 22.05.2012 Workers: 1.6%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony Volk 5 | | | comparable colonies at the apiary | |
|---|--------------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 51 | 115.9 | 1 | 12 | 44 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 124 | | | |
| Honey yield | - | 119 | | | 0.39 |
| Defensive behavior | 4 | 129 | | | 0.59 |
| Steadiness on comb | 3.80 | 129 | | | 0.61 |
| Swarming drive | 4 | 124 | | | 0.39 |
| Varroa | - | (108) | | | 0.27 |
| Performance index | - | 0 | | | |
| Robustness in winter | 3.90 | | 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

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-6-87-12-2012-K

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Performance of the sisters

Amount of checked sisters: 11

| 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-6-87-9-2012 | DE-6-87 | 1 | 101 | 44.4 | 104 | 3.4 | 109 | 3.3 | 109 | 4 | 109 | (97) | |
| DE-6-87-11-2012 | DE-6-87 | 1 | 97 | 42.2 | 101 | 3.3 | 96 | 3.2 | 96 | 4 | 105 | (96) | |
| DE-6-87-12-2012-K | DE-6-87 | 1 | 124 | 51 | 119 | 4 | 129 | 3.8 | 129 | 4 | 124 | (108) | |
| DE-6-87-13-2012 | DE-6-87 | 1 | 107 | 45.6 | 108 | 3.6 | 108 | 3.5 | 108 | 4 | 112 | (100) | |
| DE-6-87-14-2012 | DE-6-87 | 1 | 103 | 42.9 | 104 | 3.5 | 104 | 3.4 | 104 | 4 | 109 | (98) | |
| DE-6-87-20-2012 | DE-6-87 | 1 | 101 | 45.5 | 106 | 3.4 | 105 | 3.6 | 106 | 2.5 | 95 | (98) | |
| DE-6-87-26-2012 | DE-6-87 | 1 | 118 | 48.2 | 115 | 3.8 | 124 | 3.9 | 124 | 4 | 119 | (104) | |
| DE-6-87-45-2012 | DE-6-87 | 1 | 107 | 41.5 | 104 | 3.6 | 112 | 3.7 | 112 | 4 | 112 | (99) | |
| DE-6-87-46-2012 | DE-6-87 | 1 | 98 | 39.9 | 98 | 3.5 | 102 | 3.3 | 102 | 3.2 | 96 | (98) | |
| DE-6-87-48-2012-K | DE-6-87 | 1 | 110 | 45.4 | 109 | 3.7 | 113 | 3.6 | 113 | 4 | 114 | (102) | |
| DE-6-87-49-2012 | DE-6-87 | 1 | 91 | 35.1 | 91 | 3.2 | 91 | 3 | 90 | 4 | 100 | (93) | |