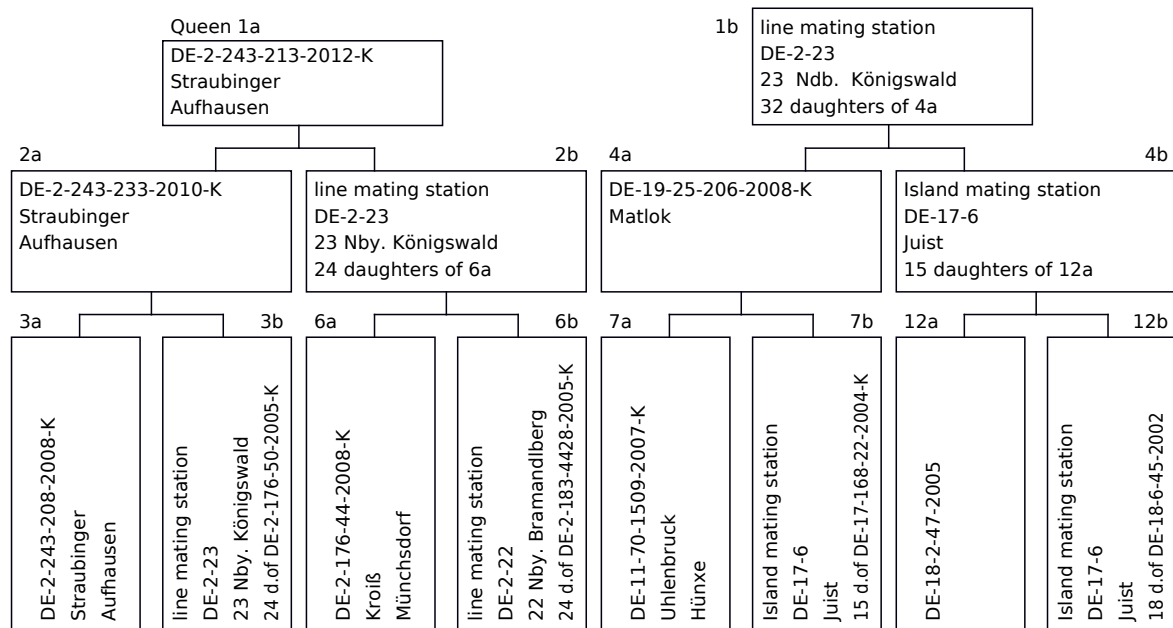


Tester of the queen: Straubinger, Alfred, 94428 Aufhausen, DE-2-243, Apiary 23
 Breeder of the queen: Straubinger, Alfred, 94428 Aufhausen, DE-2-243
1a Studbook number: **DE-2-243-213-2012-K**

Race line: Sign: yellow 3
 Generation: 4 Hatch date: 18.06.2012

Daughters of Queen: 5.4%
 Workers: 0%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony | | | comparable colonies at the apiary | | |
|---|-------------------|-----------------|---------|-----------------------------------|------------------|------|
| | kg | % | Ranking | number | Yield average kg | |
| | 42 | 109.1 | 3 | 6 | 38.5 | |
| | Assessment* | Breeding values | | | Reliability | |
| Total breeding value¹ | - | 104 | ■ | | | |
| Honey yield | - | 108 | ■ | | | 0.37 |
| Defensive behavior | 3.60 | 108 | ■ | | | 0.54 |
| Steadiness on comb | 3.80 | 108 | ■ | | | 0.57 |
| Swarming drive | 4 | 104 | ■ | | | 0.37 |
| Varroa | - | (96) | ■ | | | 0.25 |
| Performance index | - | 0 | | | | |
| Robustness in winter | 3.50 | | 70% | 100% | 170% | |
| Development in Spring | 3.60 | | | | | |
| Colony strength | 3.70 | | | | | |

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-2-243-213-2012-K

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Performance of the sisters

Amount of checked sisters: 25

| 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 ndex |
|---------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|--------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|------------------|
| DE-2-114-1212-2012 | DE-2-114 | 23 | 94 | | 103 | | Behavior | | 106 | | 94 | (93) | |
| DE-2-114-1213-2012 | DE-2-114 | 23 | 88 | | 95 | | 91 | | 92 | | 84 | (91) | |
| DE-2-114-1219-2012 | DE-2-114 | 23 | 102 | | 110 | | 105 | | 106 | | 94 | (97) | |
| DE-2-243-216-2012-K | DE-2-243 | 2 | 93 | 40.1 | 99 | 3.7 | 98 | 3.6 | 99 | 3 | 89 | (92) | |
| DE-2-243-240-2012 | DE-2-243 | 13 | 100 | 42 | 106 | 3.6 | 106 | 3.6 | 107 | 3 | 92 | (96) | |
| DE-2-243-241-2012 | DE-2-243 | 13 | 100 | 42 | 106 | 3.6 | 106 | 3.6 | 107 | 3 | 92 | (96) | |
| DE-2-243-245-2012 | DE-2-243 | 13 | 87 | 36 | 95 | 3.2 | 90 | 3.3 | 91 | 3 | 83 | (90) | |
| DE-2-243-250-2012 | DE-2-243 | 13 | 93 | 42 | 103 | 3.5 | 93 | 3 | 94 | 3 | 87 | (94) | |
| DE-2-243-257-2012 | DE-2-243 | 13 | 98 | 39 | 102 | 3.6 | 104 | 3.5 | 104 | 3 | 90 | (96) | |
| DE-2-243-238-2012 | DE-2-243 | 18 | 96 | 28 | 102 | 3.6 | 100 | 3.5 | 101 | 3 | 89 | (95) | |
| DE-2-243-211-2012 | DE-2-243 | 23 | 82 | 35 | 95 | 3 | 83 | 3.2 | 85 | 2 | 73 | (89) | |
| DE-2-243-213-2012-K | DE-2-243 | 23 | 104 | 42 | 108 | 3.6 | 108 | 3.8 | 108 | 4 | 104 | (96) | |
| DE-2-243-215-2012-K | DE-2-243 | 23 | 84 | 29 | 91 | 3.2 | 89 | 3.4 | 90 | 2 | 74 | (90) | |
| DE-2-243-217-2012-K | DE-2-243 | 23 | 109 | 51 | 117 | 3.7 | 111 | 3.8 | 112 | 4 | 108 | (99) | |
| DE-2-243-218-2012-K | DE-2-243 | 23 | 100 | 42 | 106 | 3.6 | 105 | 3.7 | 106 | 3 | 89 | (97) | |
| DE-2-243-232-2012-K | DE-2-243 | 23 | 95 | 32 | 97 | 3.6 | 102 | 3.6 | 103 | 3 | 86 | (95) | |
| DE-2-260-540-2012 | DE-2-260 | 5 | 97 | | 104 | | 101 | | 103 | | 93 | (94) | |
| DE-2-260-628-2012 | DE-2-260 | 5 | 89 | | 87 | | 95 | | 96 | | 86 | (91) | |
| DE-2-260-640-2012 | DE-2-260 | 5 | 99 | | 109 | | 101 | | 101 | | 94 | (97) | |
| DE-2-260-690-2012 | DE-2-260 | 5 | 99 | | 107 | | 103 | | 103 | | 94 | (96) | |
| DE-2-260-790-2012 | DE-2-260 | 23 | 96 | | 95 | | 102 | | 102 | | 91 | (95) | |
| DE-2-260-803-2012 | DE-2-260 | 23 | 90 | | 90 | | 97 | | 98 | | 87 | (91) | |
| DE-2-260-809-2012 | DE-2-260 | 23 | 96 | | 114 | | 94 | | 95 | | 92 | (95) | |
| DE-2-260-860-2012 | DE-2-260 | 23 | 95 | | 96 | | 101 | | 101 | | 91 | (94) | |
| DE-2-260-862-2012-K | DE-2-260 | 23 | 102 | | 115 | | 104 | | 105 | | 96 | (96) | |