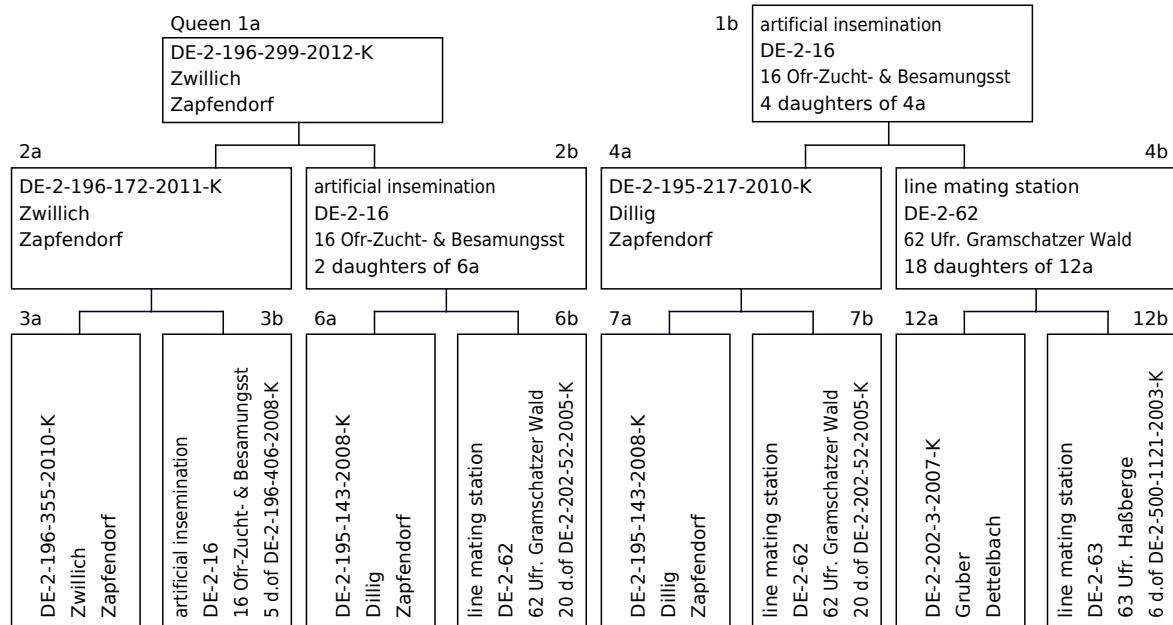


Tester of the queen: Zwillich, Werner, 96199 Zapfendorf, DE-2-196, Apiary 1
 Breeder of the queen: Zwillich, Werner, 96199 Zapfendorf, DE-2-196
1a Studbook number: **DE-2-196-299-2012-K**

Race line: Sign: yellow Daughters of Queen: 2.5%
 Generation: Hatch date: Workers: 5.2%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony | | | comparable colonies at the apiary | |
|---|-------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 58 | 109.7 | 5 | 17 | 52.9 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 130 | | | |
| Honey yield | - | 130 | | | 0.38 |
| Defensive behavior | 4 | 133 | | | 0.59 |
| Steadiness on comb | 3.50 | 134 | | | 0.61 |
| Swarming drive | 4 | 131 | | | 0.35 |
| Varroa | - | (109) | | | 0.19 |
| 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%.

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-2-196-299-2012-K

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Performance of the sisters

Amount of checked sisters: 5

| 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-2-196-299-2012-K | DE-2-196 | 1 | 130 | 58 | 130 | 4 | 133 | 3.5 | 134 | 4 | 131 | (109) | |
| DE-2-196-301-2012 | DE-2-196 | 1 | 105 | 49 | 113 | 2.5 | 107 | 3 | 108 | 3 | 101 | (98) | |
| DE-2-196-340-2012-K | DE-2-196 | 1 | 139 | 67.5 | 142 | 4 | 143 | 4 | 144 | 4 | 137 | (112) | |
| DE-2-196-346-2012-K | DE-2-196 | 1 | 116 | 56.5 | 123 | 3.5 | 118 | 3 | 119 | 3 | 109 | (104) | |
| DE-2-196-353-2012-K | DE-2-196 | 1 | 109 | 53 | 118 | 3 | 111 | 3 | 112 | 3 | 104 | (101) | |