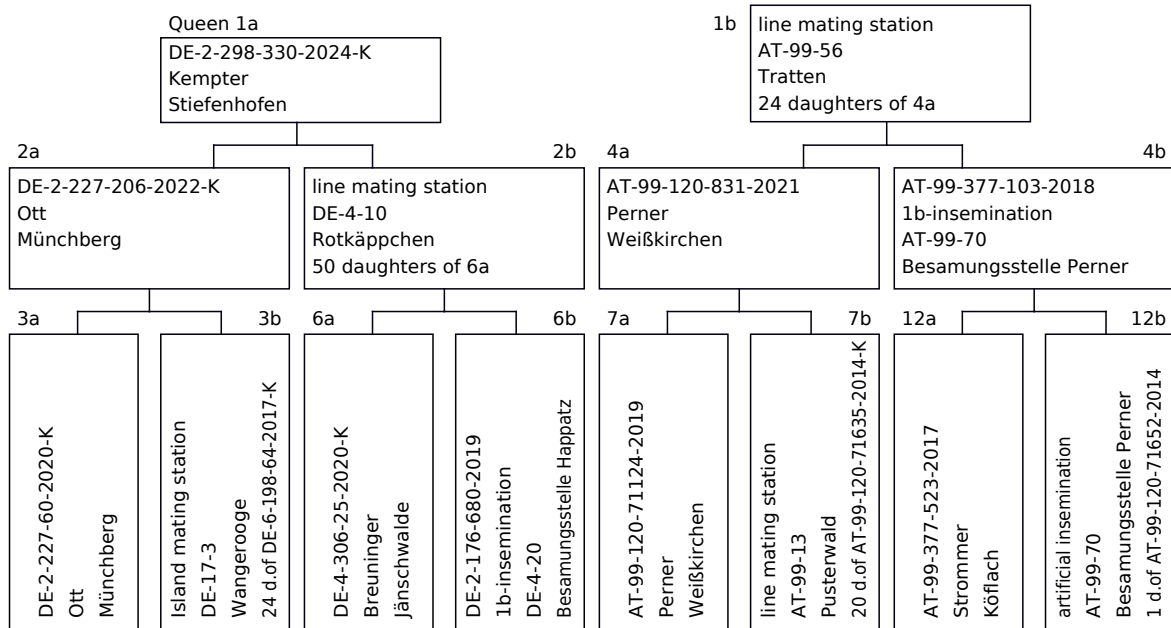


Tester of the queen: Kempfter, Martin, 88167 Stiefenhofen, DE-2-298, Apiary 3
 Breeder of the queen: Kempfter, Martin, 88167 Stiefenhofen, DE-2-298
1a Studbook number: **DE-2-298-330-2024-K**

Race line: Sign: green
 Generation: Hatch date: 06.062024

Daughters of Queen: 1.1%
 Workers: 2.8%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony | | | comparable colonies at the apiary | |
|---|-------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 32.7 | 91.4 | 6 | 7 | 35.8 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 120 | | | |
| Honey yield | - | 120 | | | 0.48 |
| Defensive behavior | 3.50 | 115 | | | 0.56 |
| Steadiness on comb | 3.50 | 109 | | | 0.56 |
| Swarming drive | 4 | 109 | | | 0.45 |
| Varroa | - | 119* | | | 0.52 |
| Performance index | - | 116 | | | 0.48 |
| 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-2-298-330-2024-K

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Performance of the sisters

Amount of checked sisters: 33

| 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-2-298-101-2024 | DE-2-298 | 1 | 119 | 40.9 | 127 | 3.4 | 112 | 3.4 | 107 | 4 | 113 | 117* | 115 |
| DE-2-298-102-2024 | DE-2-298 | 1 | 120 | 40.7 | 127 | 3.5 | 112 | 3.5 | 106 | 4 | 114 | 117* | 117 |
| DE-2-298-110-2024 | DE-2-298 | 1 | 120 | 36.6 | 125 | 3.5 | 112 | 3.5 | 107 | 4 | 113 | 116* | 117 |
| DE-2-298-111-2024 | DE-2-298 | 1 | 120 | 29.7 | 122 | 3.5 | 114 | 3.5 | 108 | 4 | 111 | 117* | 116 |
| DE-2-298-114-2024 | DE-2-298 | 1 | 118 | 27.9 | 122 | 3.5 | 112 | 3.4 | 106 | 4 | 111 | 115* | 115 |
| DE-2-298-115-2024 | DE-2-298 | 1 | 119 | 28.3 | 122 | 3.6 | 117 | 3.5 | 110 | 4 | 111 | 114* | 118 |
| DE-2-298-118-2024 | DE-2-298 | 1 | 120 | 35.1 | 124 | 3.5 | 113 | 3.5 | 107 | 4 | 113 | 116* | 117 |
| DE-2-298-168-2024 | DE-2-298 | 1 | 123 | 30.8 | 123 | 3.6 | 118 | 3.6 | 112 | 4 | 112 | 119* | 119 |
| DE-2-298-218-2024-K | DE-2-298 | 2 | 122 | 24.8 | 122 | 3.6 | 119 | 3.6 | 114 | 4 | 112 | 118* | 120 |
| DE-2-298-219-2024 | DE-2-298 | 2 | 119 | 23.2 | 121 | 3.5 | 117 | 3.5 | 111 | 4 | 110 | 115* | 117 |
| DE-2-298-220-2024** | DE-2-298 | 2 | 120 | | (123) | | (114) | | (108) | | (111) | (117) | 117 |
| DE-2-298-224-2024 | DE-2-298 | 2 | 113 | 17.3 | 116 | 3.3 | 110 | 3.3 | 104 | 4 | 104 | 112* | 110 |
| DE-2-298-225-2024 | DE-2-298 | 2 | 120 | 23.6 | 121 | 3.5 | 116 | 3.5 | 111 | 4 | 110 | 116* | 117 |
| DE-2-298-227-2024 | DE-2-298 | 2 | 121 | 24.2 | 121 | 3.5 | 116 | 3.5 | 111 | 4 | 110 | 119* | 117 |
| DE-2-298-229-2024** | DE-2-298 | 2 | 120 | | (123) | | (114) | | (108) | | (111) | (117) | 117 |
| DE-2-298-231-2024 | DE-2-298 | 2 | 122 | 26.3 | 123 | 3.5 | 116 | 3.5 | 110 | 4 | 112 | 119* | 118 |
| DE-2-298-232-2024 | DE-2-298 | 2 | 119 | 26.9 | 123 | 3.4 | 111 | 3.4 | 105 | 4 | 111 | 116* | 115 |
| DE-2-298-233-2024 | DE-2-298 | 2 | 123 | 27.9 | 124 | 3.5 | 115 | 3.5 | 109 | 4 | 113 | 120* | 118 |
| DE-2-298-234-2024-K | DE-2-298 | 2 | 118 | 27.9 | 124 | 3.4 | 111 | 3.4 | 105 | 4 | 112 | 115* | 115 |
| DE-2-298-239-2024 | DE-2-298 | 2 | 117 | 24.7 | 122 | 3.3 | 108 | 3.3 | 102 | 4 | 109 | 118* | 112 |
| DE-2-298-241-2024 | DE-2-298 | 2 | 122 | 31.3 | 127 | 3.5 | 114 | 3.5 | 108 | 4 | 115 | 118* | 119 |
| DE-2-298-243-2024** | DE-2-298 | 2 | 120 | | (123) | | (114) | | (108) | | (111) | (117) | 117 |
| DE-2-298-246-2024-K | DE-2-298 | 2 | 125 | 35.4 | 130 | 3.6 | 117 | 3.6 | 111 | 4 | 119 | 119* | 123 |
| DE-2-298-247-2024 | DE-2-298 | 2 | 122 | 26.8 | 123 | 3.5 | 115 | 3.5 | 110 | 4 | 112 | 119* | 118 |
| DE-2-298-277-2024 | DE-2-298 | 2 | 117 | 23.9 | 121 | 3.3 | 108 | 3.3 | 102 | 4 | 108 | 118* | 112 |
| DE-2-298-330-2024-K | DE-2-298 | 3 | 120 | 32.7 | 120 | 3.5 | 115 | 3.5 | 109 | 4 | 109 | 119* | 116 |
| DE-2-298-333-2024-K | DE-2-298 | 3 | 120 | 29.8 | 118 | 3.5 | 116 | 3.5 | 110 | 4 | 107 | 119* | 115 |
| DE-2-298-334-2024 | DE-2-298 | 3 | 121 | 36.3 | 123 | 3.5 | 114 | 3.5 | 108 | 4 | 112 | 118* | 117 |
| DE-2-298-336-2024 | DE-2-298 | 3 | 123 | 39.7 | 126 | 3.6 | 117 | 3.6 | 111 | 4 | 115 | 119* | 121 |
| DE-2-298-337-2024-K | DE-2-298 | 3 | 118 | 37.2 | 124 | 3.5 | 113 | 3.5 | 108 | 4 | 112 | 114* | 117 |
| DE-2-298-339-2024 | DE-2-298 | 3 | 117 | 36.7 | 123 | 3.4 | 109 | 3.4 | 103 | 4 | 111 | 114* | 114 |
| DE-2-298-344-2024 | DE-2-298 | 3 | 121 | 38.1 | 125 | 3.5 | 113 | 3.5 | 107 | 4 | 113 | 118* | 117 |
| DE-2-298-251-2024** | DE-2-298 | 50 | 120 | | (123) | | (114) | | (108) | | (111) | (117) | 117 |

Only one Varroa trait was recorded

Colony without performance tests