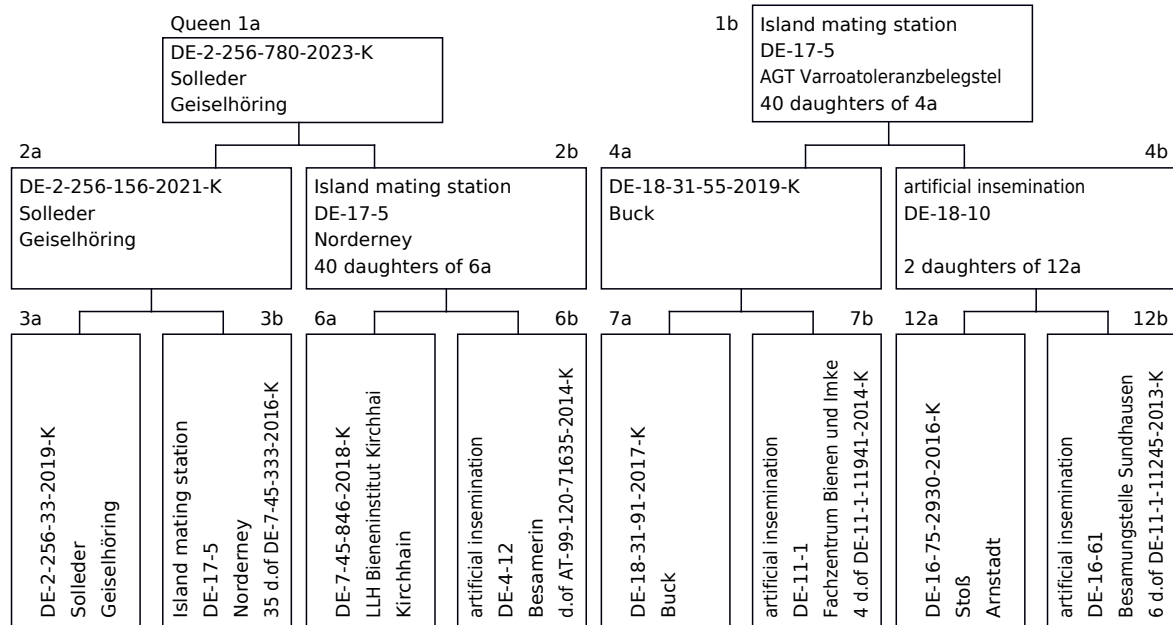


Tester of the queen: Solleder, Anita & Werner, 94333 Geiselhöring, DE-2-256, Apiary 1
 Breeder of the queen: Solleder, Anita & Werner, 94333 Geiselhöring, DE-2-256
1a Studbook number: **DE-2-256-780-2023-K**

Race line: -Ca.AGT 70 Sign: red 80 Daughters of Queen: 7.2%
 Generation: 7 Hatch date: 20.07.2023 Workers: 1.6%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony M 6 | | | comparable colonies at the apiary | |
|---|-----------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 36.9 | 88.8 | 7 | 9 | 41.5 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 110 | | | |
| Honey yield | - | 106 | | | 0.47 |
| Defensive behavior | 3.80 | 109 | | | 0.54 |
| Steadiness on comb | 3.80 | 108 | | | 0.53 |
| Swarming drive | 4 | 112 | | | 0.49 |
| Varroa | - | 106 | | | 0.49 |
| Performance index | - | 111 | | | 0.47 |
| Robustness in winter | 3 | | 70% | 100% | 170% |
| Development in Spring | 3 | | | | |
| Colony strength | 3 | | | | |

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 Av

Selected for Varroa tolerance. Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations.

Breeding selection report DE-2-256-780-2023-K

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Performance of the sisters

Amount of checked sisters: 4

| 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 ndex |
|---------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|-----------------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|------------------|
| DE-2-256-723-2023-K | DE-2-256 | 1 | 109 | 45.5 | 110 | 3.5 | 109 | 3.3 | 109 | 4 | 112 | 105 | 108 |
| DE-2-256-780-2023-K | DE-2-256 | 1 | 110 | 36.9 | 106 | 3.8 | 109 | 3.8 | 108 | 4 | 112 | 106 | 111 |
| DE-2-256-790-2023-K | DE-2-256 | 1 | 111 | 45.6 | 110 | 3.5 | 106 | 3.8 | 107 | 4 | 112 | 108 | 110 |
| DE-2-256-782-2023-K | DE-2-256 | 2 | 112 | 47 | 111 | 3.8 | 107 | 3.5 | 105 | 4 | 113 | 108 | 110 |