

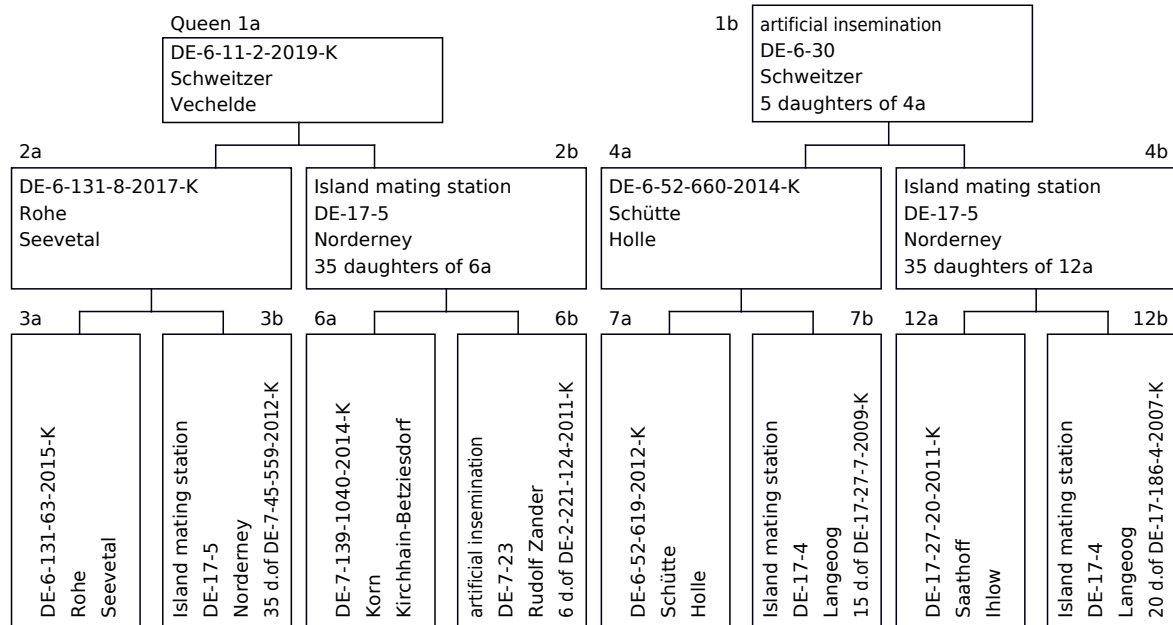
Tester of the queen: Schweitzer, Beate, Vechelde, DE-6-11, Apiary 2
Breeder of the queen: Schweitzer, Beate, Vechelde, DE-6-11
1a Studbook number: **DE-6-11-2-2019-K**

Race line: -70
Generation: 1

Sign: green 1
Hatch date: 09.06.2019

Daughters of
Queen: 1.9%
Workers: 3.3%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony Z31 | | | comparable colonies at the apiary | |
|---|-----------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 104.5 | 103.3 | 2 | 3 | 101.1 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 114 | | | |
| Honey yield | - | 107 | | | 0.41 |
| Defensive behavior | 4 | 113 | | | 0.48 |
| Steadiness on comb | 4 | 115 | | | 0.48 |
| Swarming drive | 4 | 110 | | | 0.44 |
| Varroa | - | 110* | | | 0.41 |
| Performance index | - | 113 | | | 0.42 |
| Robustness in winter | 4 | | 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%.

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-6-11-2-2019-K

Page 2

Performance of the sisters

Amount of checked sisters: 10

| 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-6-11-3-2019-D | DE-6-11 | 1 | 114 | 64.9 | 106 | 3.9 | 110 | 4 | 110 | 4 | 109 | 109* | 113 |
| DE-6-11-6-2019-D | DE-6-11 | 1 | 111 | 74.3 | 106 | 3.8 | 110 | 3.5 | 111 | 3.5 | 105 | 109* | 109 |
| DE-6-11-7-2019-D | DE-6-11 | 1 | 113 | 90.3 | 110 | 3.9 | 111 | 3.5 | 111 | 4 | 108 | 110* | 112 |
| DE-6-11-8-2019-K | DE-6-11 | 1 | 115 | 94.2 | 112 | 4 | 114 | 4 | 116 | 4 | 109 | 109* | 115 |
| DE-6-11-9-2019-D | DE-6-11 | 1 | 110 | 67.2 | 106 | 3.8 | 110 | 3.5 | 111 | 4 | 108 | 106* | 110 |
| DE-6-11-11-2019 | DE-6-11 | 1 | 114 | 51 | 103 | 4 | 115 | 4 | 117 | 4 | 109 | 109* | 113 |
| DE-6-11-12-2019-D | DE-6-11 | 1 | 109 | 65.7 | 105 | 3 | 101 | 3 | 103 | 4 | 106 | 111* | 104 |
| DE-6-11-1-2019-D | DE-6-11 | 2 | 111 | 84.6 | 106 | 3.5 | 107 | 3.5 | 108 | 4 | 108 | 109* | 108 |
| DE-6-11-2-2019-K | DE-6-11 | 2 | 114 | 104.5 | 107 | 4 | 113 | 4 | 115 | 4 | 110 | 110* | 113 |
| DE-6-11-4-2019-D | DE-6-11 | 2 | 113 | 114.3 | 107 | 3.9 | 112 | 4 | 114 | 3.5 | 106 | 109* | 111 |

Only one Varroa trait was recorded