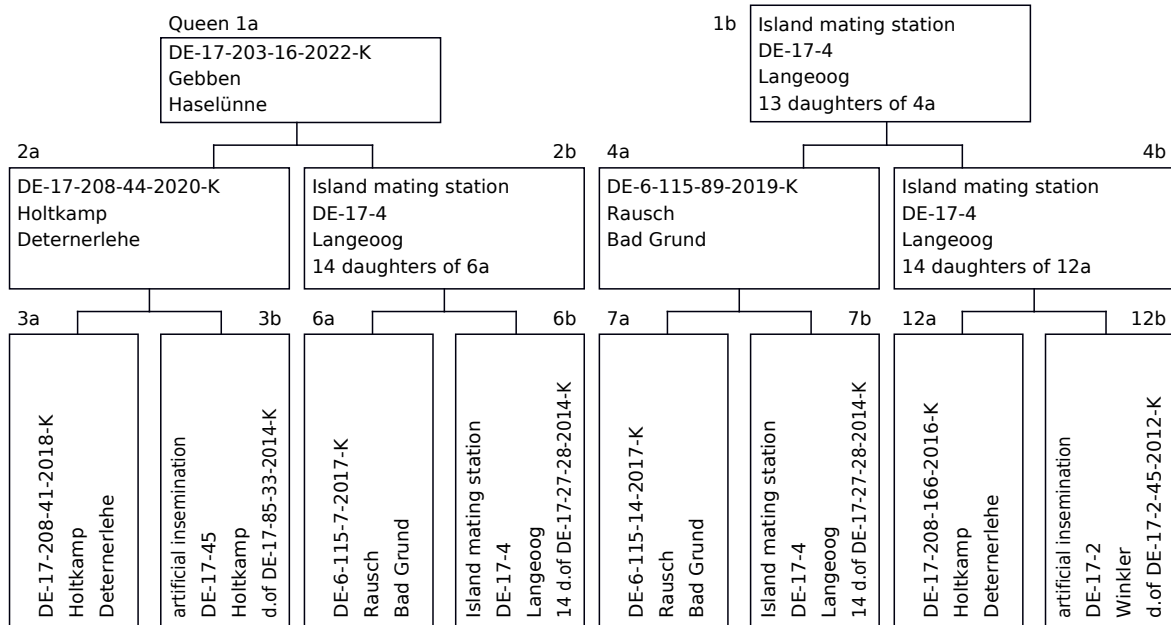


Tester of the queen: Gebben, Georg, 49470 Haselünne, DE-17-203, Apiary 1
 Breeder of the queen: Gebben, Georg, 49470 Haselünne, DE-17-203
1a Studbook number: **DE-17-203-16-2022-K**

Race line: -30 Sign: yellow 34 Daughters of Queen: 5.4%
 Generation: 1 Hatch date: 19.07.2022 Workers: 5.1%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony Arne | | | comparable colonies at the apiary | |
|---|------------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | | | | 0 | |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 118 | | | |
| Honey yield | - | (103) | | | 0.43 |
| Defensive behavior | - | (121) | | | 0.48 |
| Steadiness on comb | - | (118) | | | 0.48 |
| Swarming drive | - | (111) | | | 0.45 |
| Varroa | - | (115) | | | 0.47 |
| Performance index | - | (116) | | | 0.43 |
| 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

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-17-203-16-2022-K

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Performance of the sisters

Amount of checked sisters: 17

| 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-17-203-2-2022-D | DE-17-203 | 1 | 118 | | (103) | 3.7 | Behavior | 3.7 | 118 | 4 | drive | 115* | 115 |
| DE-17-203-3-2022** | DE-17-203 | 1 | 118 | | (103) | | (121) | | inspection (118) | | (111) | (115) | 116 |
| DE-17-203-4-2022** | DE-17-203 | 1 | 118 | | (103) | | (121) | | (118) | | (111) | (115) | 116 |
| DE-17-203-5-2022-D | DE-17-203 | 1 | 117 | | (102) | 3.5 | 118 | 3.5 | 114 | 4 | 109 | 115* | 113 |
| DE-17-203-6-2022** | DE-17-203 | 1 | 118 | | (103) | | (121) | | (118) | | (111) | (115) | 116 |
| DE-17-203-7-2022** | DE-17-203 | 1 | 118 | | (103) | | (121) | | (118) | | (111) | (115) | 116 |
| DE-17-203-8-2022-D | DE-17-203 | 1 | 120 | | (104) | 3.9 | 123 | 3.9 | 120 | 4 | 112 | 115* | 118 |
| DE-17-203-9-2022-D | DE-17-203 | 1 | 118 | | (103) | 3.7 | 121 | 3.7 | 117 | 4 | 110 | 115* | 115 |
| DE-17-203-10-2022** | DE-17-203 | 1 | 118 | | (103) | | (121) | | (118) | | (111) | (115) | 116 |
| DE-17-203-11-2022** | DE-17-203 | 1 | 118 | | (103) | | (121) | | (118) | | (111) | (115) | 116 |
| DE-17-203-12-2022-D | DE-17-203 | 1 | 120 | | (104) | 3.9 | 123 | 3.9 | 120 | 4 | 112 | 115* | 118 |
| DE-17-203-13-2022** | DE-17-203 | 1 | 118 | | (103) | | (121) | | (118) | | (111) | (115) | 116 |
| DE-17-203-15-2022** | DE-17-203 | 1 | 118 | | (103) | | (121) | | (118) | | (111) | (115) | 116 |
| DE-17-203-16-2022** | DE-17-203 | 1 | 118 | | (103) | | (121) | | (118) | | (111) | (115) | 116 |
| DE-17-203-17-2022** | DE-17-203 | 1 | 118 | | (103) | | (121) | | (118) | | (111) | (115) | 116 |
| DE-17-203-18-2022-D | DE-17-203 | 1 | 118 | | (103) | 3.7 | 121 | 3.7 | 117 | 4 | 110 | 115* | 115 |
| DE-17-203-19-2022** | DE-17-203 | 1 | 118 | | (103) | | (121) | | (118) | | (111) | (115) | 116 |

Only one Varroa trait was recorded

Colony without performance tests