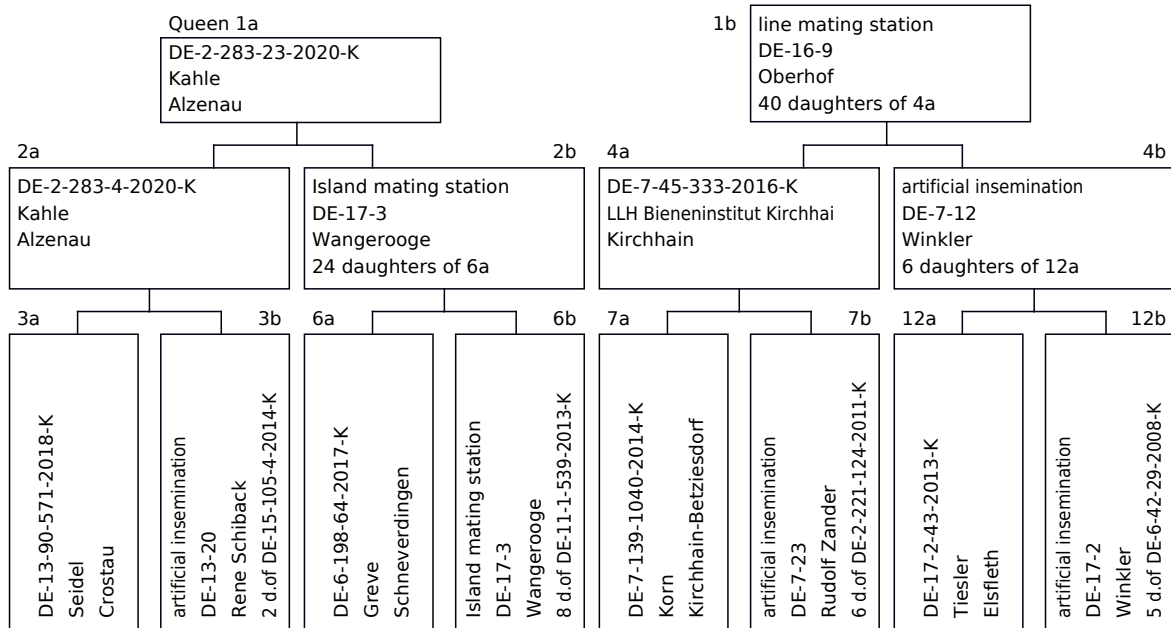


Tester of the queen: Kahle, Ben, 63755 Alzenau, DE-2-283, Apiary 1
 Breeder of the queen: Kahle, Ben, 63755 Alzenau, DE-2-283
1a Studbook number: **DE-2-283-23-2020-K**

Race line: -Peschetz Sign: blue 23 Daughters of Queen: 1.8%
 Generation: 7 Hatch date: 25.07.2020 Workers: 2.6%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony | | | comparable colonies at the apiary | | |
|---|-------------------|-----------------|---------------|-----------------------------------|------------------|------|
| | kg | % | Ranking | number | Yield average kg | |
| | 30.9 | 227.6 | 2 | 13 | 13.6 | |
| | Assessment* | Breeding values | | | Reliability | |
| Total breeding value¹ | - | 116 | | | | |
| Honey yield | - | 122 | | | | 0.44 |
| Defensive behavior | 3.80 | 120 | | | | 0.52 |
| Steadiness on comb | 4 | 118 | | | | 0.52 |
| Swarming drive | 4 | 117 | | | | 0.41 |
| Varroa | - | (102) | | | | 0.41 |
| Performance index | - | 122 | | | | 0.44 |
| Robustness in winter | 3.50 | | 70% 100% 170% | | | |
| Development in Spring | 3.50 | | | | | |
| Colony strength | 3.50 | | | | | |

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-2-283-23-2020-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 index |
|--------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|-----------------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|-------------------|
| DE-2-283-16-2020 | DE-2-283 | 1 | 108 | 9.5 | 113 | 2.5 | 113 | 3 | 110 | 4 | 114 | (102) | 109 |
| DE-2-283-19-2020 | DE-2-283 | 1 | 111 | 17.5 | 116 | 3.3 | 113 | 3.3 | 110 | 4 | 114 | (102) | 115 |
| DE-2-283-23-2020-K | DE-2-283 | 1 | 116 | 30.9 | 122 | 3.8 | 120 | 4 | 118 | 4 | 117 | (102) | 122 |
| DE-2-283-37-2020-K | DE-2-283 | 1 | 112 | 19.9 | 117 | 3 | 111 | 3.5 | 110 | 4 | 114 | (102) | 115 |