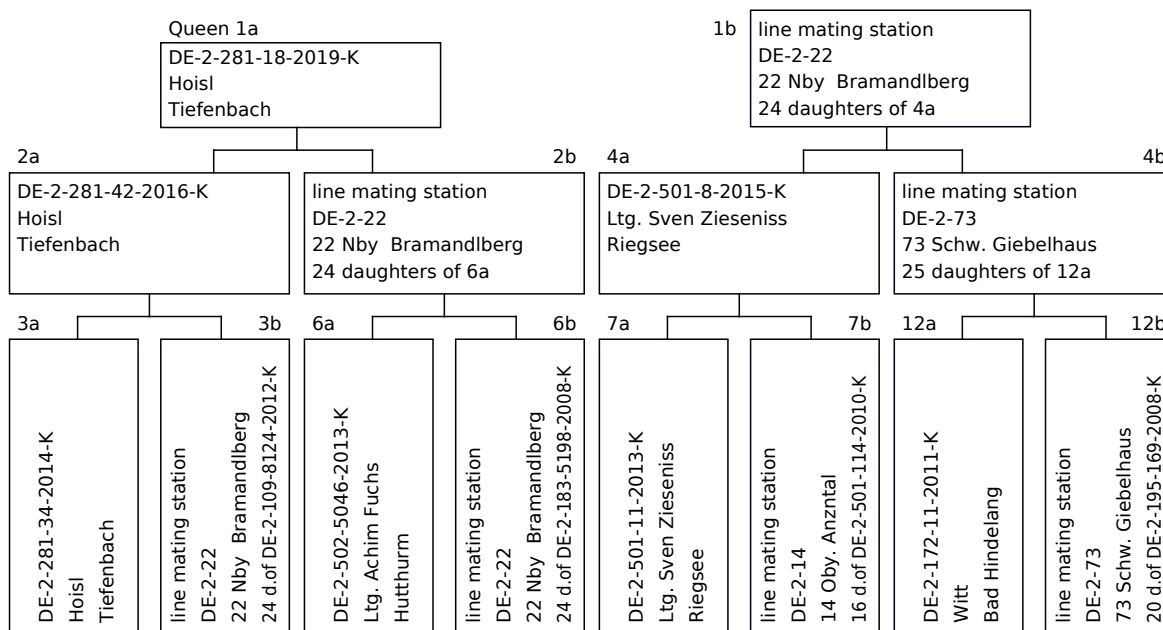









Tester of the queen: Hoisl, Emma, 94113 Tiefenbach, DE-2-281, Apiary 1
 Breeder of the queen: Hoisl, Emma, 94113 Tiefenbach, DE-2-281
1a Studbook number: **DE-2-281-18-2019-K**

Race line: Sign: green Daughters of Queen: 8.4%
 Generation: Hatch date: Workers: 0.5%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony | | | comparable colonies at the apiary | | |
|---|-------------------|-----------------|--|-----------------------------------|------------------|------|
| | kg | % | Ranking | number | Yield average kg | |
| | 9.5 | 125 | 2 | 5 | 7.6 | |
| | Assessment* | Breeding values | | | Reliability | |
| Total breeding value¹ | - | 108 |  | | | |
| Honey yield | - | 109 |  | | | 0.4 |
| Defensive behavior | 4 | 117 |  | | | 0.49 |
| Steadiness on comb | 4 | 118 |  | | | 0.49 |
| Swarming drive | 4 | 95 |  | | | 0.38 |
| Varroa | - | 99 |  | | | 0.41 |
| Performance index | - | 111 |  | | | 0.4 |
| 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%.

C. Performance of the sisters

See page 2

D. Body features, see appendix

See attached characteristic documents:

E. Results

Class B
 Suitable for breeding.

Breeding selection report DE-2-281-18-2019-K

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Performance of the sisters

Amount of checked sisters: 8

| Studbook number | Tester of the queen | Apiary | Total breeding value | Yield kg | Breeding Value Honey | Defensive behavior | Breeding Value Defensive | Calmness during inspection | Breeding Value Calmness | Swarming drive | Breeding Value Swarming | Varroa-index | Performance ndex |
|--------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|--------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|------------------|
| DE-2-281-18-2019-K | DE-2-281 | 1 | 108 | 9.5 | 109 | 4 | 117 | 4 | 118 | 4 | 95 | 99 | 111 |
| DE-2-281-20-2019 | DE-2-281 | 1 | 104 | 6.5 | 104 | 2.8 | 103 | 3 | inspection 104 | 4 | 92 | 104 | 101 |
| DE-2-281-22-2019-K | DE-2-281 | 1 | 105 | 5.5 | 102 | 3 | 103 | 2.8 | 103 | 4 | 91 | 107 | 100 |
| DE-2-281-23-2019-K | DE-2-281 | 1 | 102 | 6.5 | 103 | 3.5 | 108 | 3 | 107 | 4 | 92 | 97 | 103 |
| DE-2-281-13-2018-K | DE-2-281 | 1 | 109 | 14 | 109 | 4 | 116 | 4 | 117 | 4 | 95 | (102) | 111 |
| DE-2-281-14-2018 | DE-2-281 | 1 | 104 | 12 | 105 | 3.5 | 109 | 3.5 | 110 | 2 | 85 | (102) | 102 |
| DE-2-281-16-2018 | DE-2-281 | 1 | 103 | 11 | 102 | 3 | 103 | 3 | 104 | 4 | 94 | (102) | 101 |
| DE-2-281-17-2018-K | DE-2-281 | 1 | 109 | 14.5 | 110 | 4 | 116 | 4 | 117 | 4 | 95 | (102) | 111 |