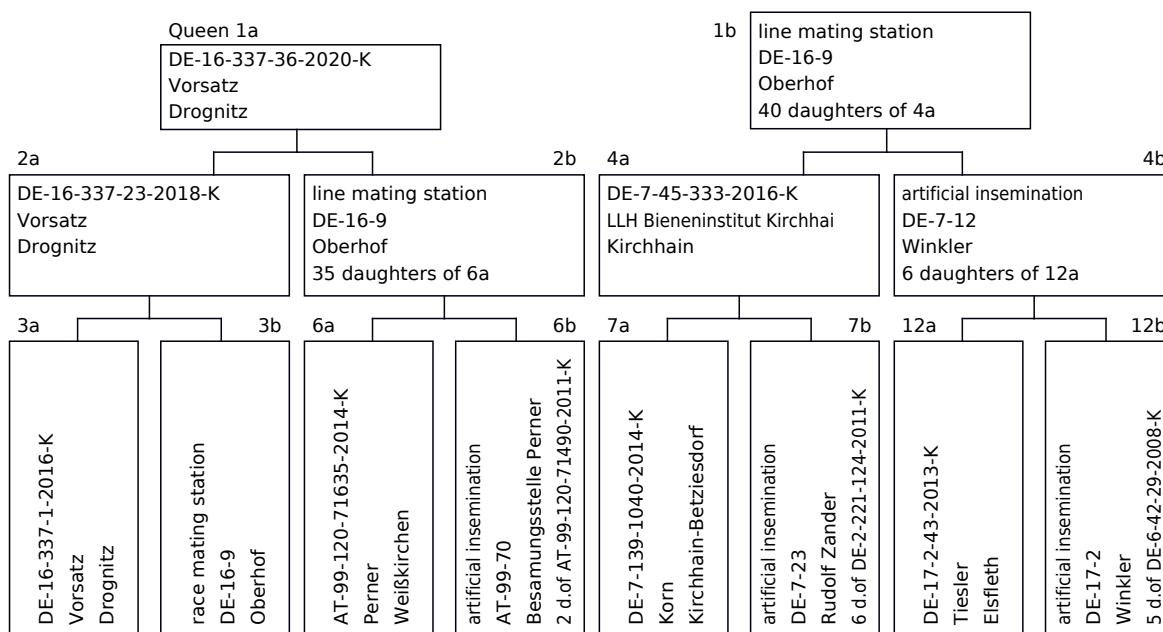


Tester of the queen: Heerlein, Markus, 98553 St. Kilian OT Breitenbach, DE-16-356, Apiary 4
 Breeder of the queen: Vorsatz, Günter, 07338 Drognitz, DE-16-337
1a Studbook number: **DE-16-337-36-2020-K**

Race line: Sign: blue Daughters of Queen: 0.3%
 Generation: Hatch date: Workers: 0.8%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony | | | comparable colonies at the apiary | |
|---|-------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 35 | 106.6 | 3 | 6 | 32.8 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 113 | | | |
| Honey yield | - | 113 | | | 0.45 |
| Defensive behavior | 3.50 | 119 | | | 0.53 |
| Steadiness on comb | 3.50 | 118 | | | 0.52 |
| Swarming drive | 4 | 109 | | | 0.43 |
| Varroa | - | (103) | | | 0.43 |
| Performance index | - | 117 | | | 0.45 |
| Robustness in winter | | | 70% | 100% | 170% |
| Development in Spring | | | | | |
| 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 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-16-337-36-2020-K

Page 2

Performance of the sisters

Amount of checked sisters: 7

| 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-16-337-31-2020-K | DE-16-318 | 2 | 112 | | 116 | | 116 | | 114 | | 108 | 105 | 114 |
| DE-16-337-38-2020-K | DE-16-334 | 3 | 110 | | 115 | | 116 | | 114 | | 108 | 100 | 115 |
| DE-16-337-42-2020 | DE-16-334 | 3 | 109 | | 115 | | 112 | | 113 | | 108 | 99 | 114 |
| DE-16-337-35-2020 | DE-16-336 | 12 | 110 | | 113 | | 112 | | 109 | | 109 | 102 | 112 |
| DE-16-337-32-2020 | DE-16-351 | 6 | 106 | | 109 | | 107 | | 107 | | 105 | 100 | 108 |
| DE-16-337-36-2020-K | DE-16-356 | 4 | 113 | 35 | 113 | 3.5 | 119 | 3.5 | 118 | 4 | 109 | (103) | 117 |
| DE-16-337-34-2020-K | DE-16-358 | 1 | 105 | | 111 | | 105 | | 104 | | 104 | 100 | 107 |