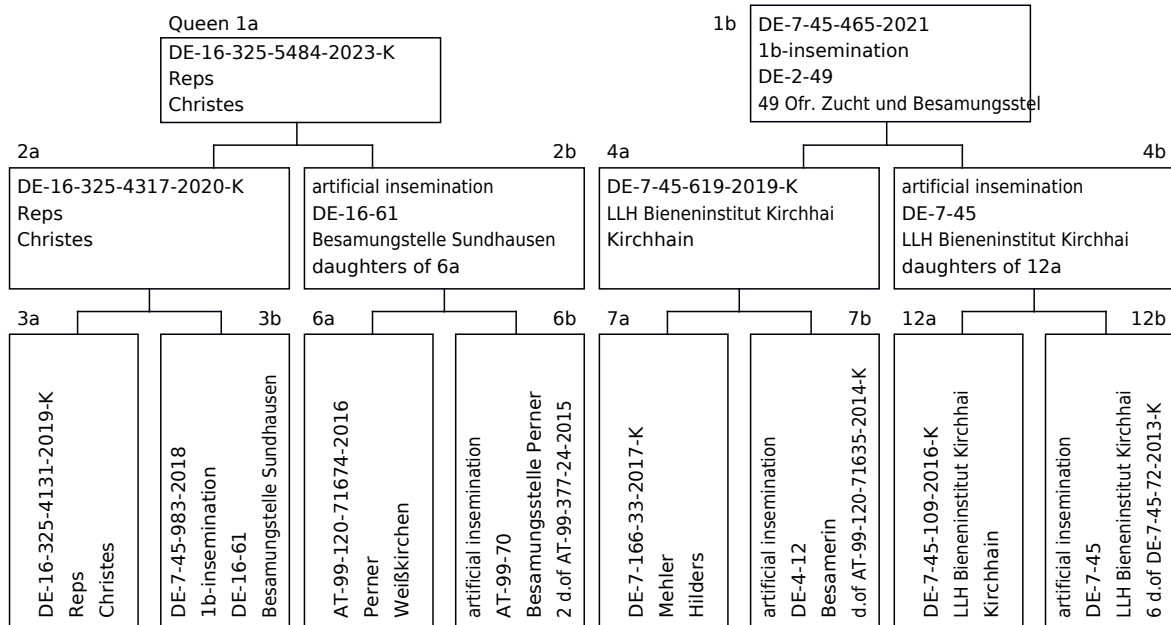


Tester of the queen: Reps, Thomas, 98547 Christes, DE-16-325, Apiary 1
 Breeder of the queen: Reps, Thomas, 98547 Christes, DE-16-325
1a Studbook number: **DE-16-325-5484-2023-K**

Race line: Sign: red 31 Daughters of Queen: 5.5%
 Generation: Hatch date: Workers: 6.8%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony TR 21 | | | comparable colonies at the apiary | | |
|---|-------------------------|-------|-----------------|-----------------------------------|------------------|-------------|
| | kg | % | Ranking | number | Yield average kg | |
| | 61.2 | 138.1 | 3 | 14 | 44.3 | |
| | Assessment* | | Breeding values | | | Reliability |
| Total breeding value¹ | - | 113 | | | | |
| Honey yield | - | 106 | | | | 0.49 |
| Defensive behavior | 4 | 105 | | | | 0.61 |
| Steadiness on comb | 3.80 | 105 | | | | 0.62 |
| Swarming drive | 4 | 116 | | | | 0.41 |
| Varroa | - | 111 | | | | 0.54 |
| Performance index | - | 110 | | | | 0.49 |
| Robustness in winter | | | 70% | 100% | 170% | |
| Development in Spring | | | | | | |
| Colony strength | 3.10 | | | | | |

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-16-325-5484-2023-K

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Performance of the sisters

Amount of checked sisters: 6

| 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-16-325-5473-2023 | DE-2-221 | 1 | 113 | | 103 | | 103 | | 103 | | 103 | 107 | 113 |
| DE-16-325-5477-2023 | DE-16-40 | 1 | 112 | | 104 | | 105 | | 105 | | 116 | 111 | 109 |
| DE-16-325-5483-2023 | DE-16-325 | 1 | 113 | 35.2 | 102 | 4 | 106 | 3.9 | 106 | 4 | 115 | 113 | 109 |
| DE-16-325-5484-2023-K | DE-16-325 | 1 | 113 | 61.2 | 106 | 4 | 105 | 3.8 | 105 | 4 | 116 | 111 | 110 |
| DE-16-325-5474-2023 | DE-16-361 | 1 | 111 | | 100 | | 104 | | 105 | | 115 | 111 | 107 |
| DE-16-325-5475-2023 | DE-16-373 | 1 | 115 | | 106 | | 106 | | 106 | | 119 | 115 | 111 |