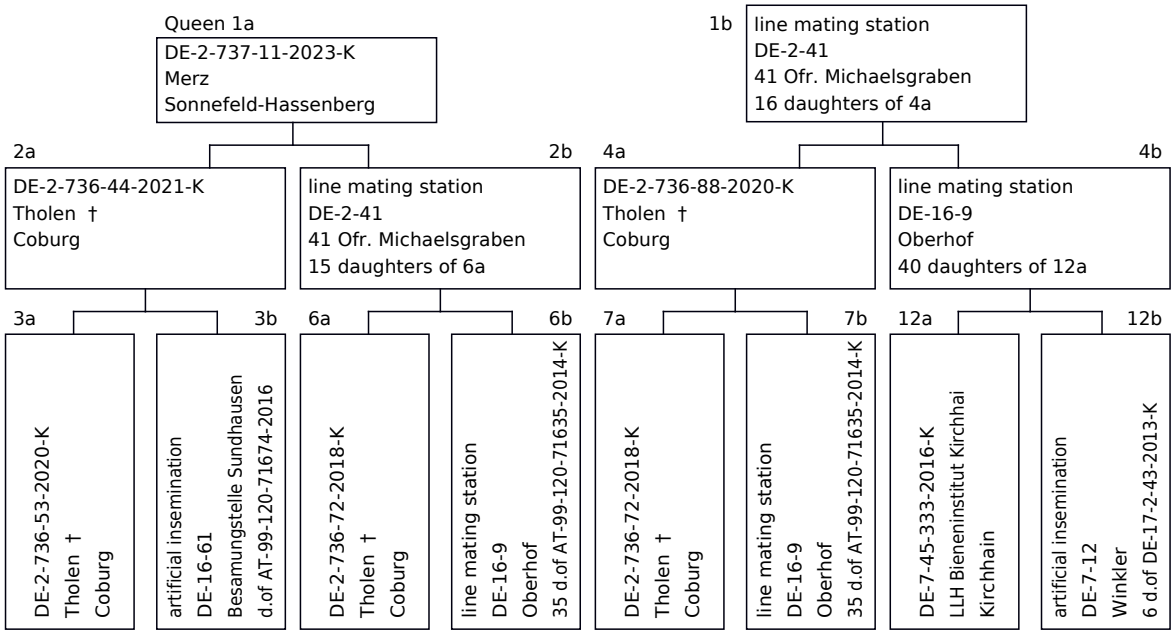
# Breeding selection report
# DE-2-737-11-2023-K

DEUTSCHER IMKERBUND E.V.

LVBI

| | | |
|---|---|---|
| Tester of the queen: | Michaelsgraben, Zuchtgemeinschaft, 96450 Coburg, DE-2-734, Apiary 1 | |
| Breeder of the queen: | Merz, Tobias, 96242 Sonnefeld-Hassenberg, DE-2-737 | |
| **1a** Studbook number: | **DE-2-737-11-2023-K** | |
| | | Daughters of |
| Race line: -736 | Sign: red 11 | Queen: 7.4% |
| Generation: 1 | Hatch date: 01.06.2023 | Workers: 7.5% |

## A. Pedigree




## B. Own performance

| | No. of the colony | | | comparable colonies at the apiary | |
|---|---|---|---|---|---|
| | kg | % | Ranking | number | Yield average kg |
| Performance test year | 47 | 125 | 4 | 15 | 37.6 |

| | Assessment* | Breeding values | Reliability |
|---|---|---|---|
| **Total breeding value[1]** | - | 114 | |
| Honey yield | - | 112 | 0.44 |
| Defensive behavior | 3.50 | 110 | 0.54 |
| Steadiness on comb | 4 | 111 | 0.54 |
| Swarming drive | 4 | 115 | 0.45 |
| Varroa | - | 109 | 0.46 |
| Performance index | - | 114 | 0.44 |
| Robustness in winter | 4 | | |
| Development in Spring | 3 | | |
| Colony strength | 4 | | |

70% 100% 170%

[1]In 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.

30.05.2025

For the correctness DE-2

# Breeding selection report DE-2-737-11-2023-K

## Page 2

## 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 Behavior | Calmness during inspection | Breeding Value Calmness during inspection | Swarming drive | Breeding Value Swarming drive | Varroa-index | Performance ndex |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DE-2-737-13-2023 | DE-2-732 | 1 | 103 | | 115 | | 95 | | 91 | | 102 | 102 | 102 |
| DE-2-737-15-2023 | DE-2-732 | 1 | 97 | | 114 | | 90 | | 90 | | 101 | 95 | 98 |
| DE-2-734-301-2023 | DE-2-734 | 1 | 100 | 30 | 105 | 2.5 | 95 | 2 | 91 | 3 | 106 | 100* | 99 |
| DE-2-734-322-2023 | DE-2-734 | 1 | 104 | 35.4 | 107 | 2.5 | 96 | 2.5 | 95 | 3.5 | 110 | 104 | 102 |
| DE-2-737-2-2023 | DE-2-734 | 1 | 113 | 49 | 112 | 3 | 106 | 4 | 109 | 4 | 115 | 109 | 112 |
| DE-2-737-11-2023-K | DE-2-734 | 1 | 114 | 47 | 112 | 3.5 | 110 | 4 | 111 | 4 | 115 | 109 | 114 |
| DE-2-734-317-2023 | DE-2-747 | 1 | 108 | | 108 | | 105 | | 105 | | 112 | 103* | 109 |
| DE-2-734-329-2023 | DE-2-747 | 1 | 109 | | 109 | | 112 | | 109 | | 113 | 101 | 113 |

Only one Varroa trait was recorded