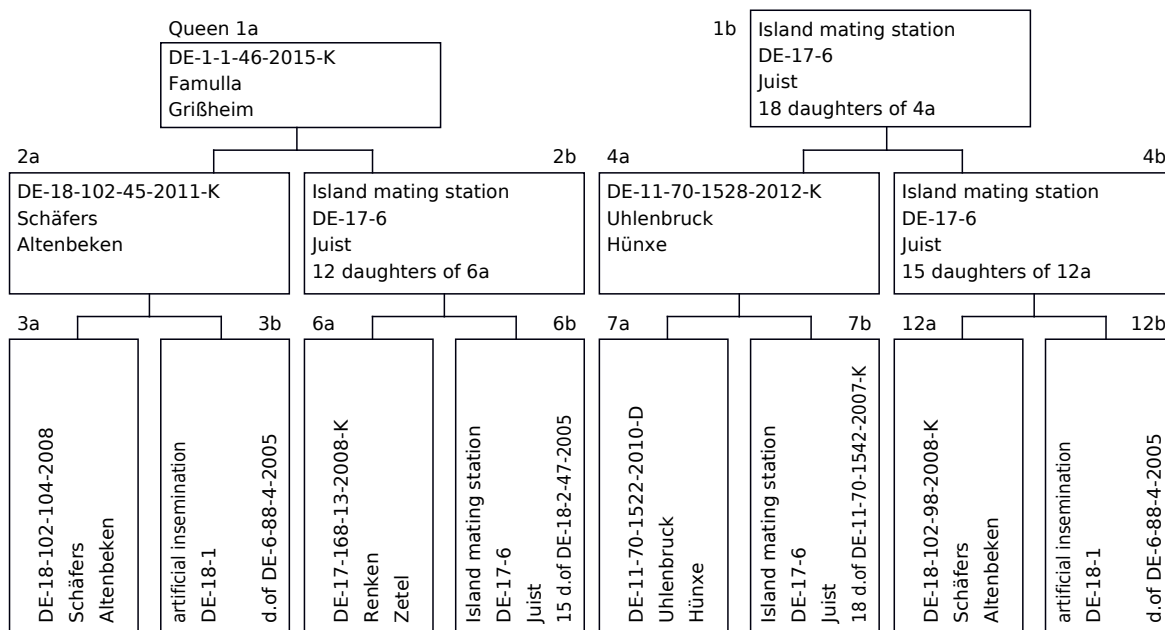




Tester of the queen: Famulla, Leo, 79395 Grißheim, DE-1-1, Apiary 1
 Breeder of the queen: Famulla, Leo, 79395 Grißheim, DE-1-1
1a Studbook number: **DE-1-1-46-2015-K**

Race line: -10 Sign: blue 46 Daughters of Queen: 2.9%
 Generation: 12 Hatch date: 06.06.2015 Workers: 4.5%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony | | | comparable colonies at the apiary | |
|---|-------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 25.8 | 113.6 | 2 | 11 | 22.7 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 118 | | | |
| Honey yield | - | 113 | | | |
| Defensive behavior | 4 | 111 | | | |
| Steadiness on comb | 4 | 110 | | | |
| Swarming drive | 4 | 98 | | | |
| Varroa | - | 124 | | | |
| Performance index | - | 0 | | | |
| 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 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-1-1-46-2015-K

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Performance of the sisters

Amount of checked sisters: 3

| 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-1-1-45-2015 | DE-1-1 | 1 | 106 | 22.5 | 108 | 4 | 108 | 4 | 108 | 4 | 108 | 100 | |
| DE-1-1-46-2015-K | DE-1-1 | 1 | 118 | 25.8 | 113 | 4 | 111 | 4 | 110 | 4 | 98 | 124 | |
| DE-1-1-47-2015 | DE-1-1 | 1 | 98 | 22.8 | 104 | 3.8 | 93 | 3.8 | 93 | 3.9 | 89 | 105 | |