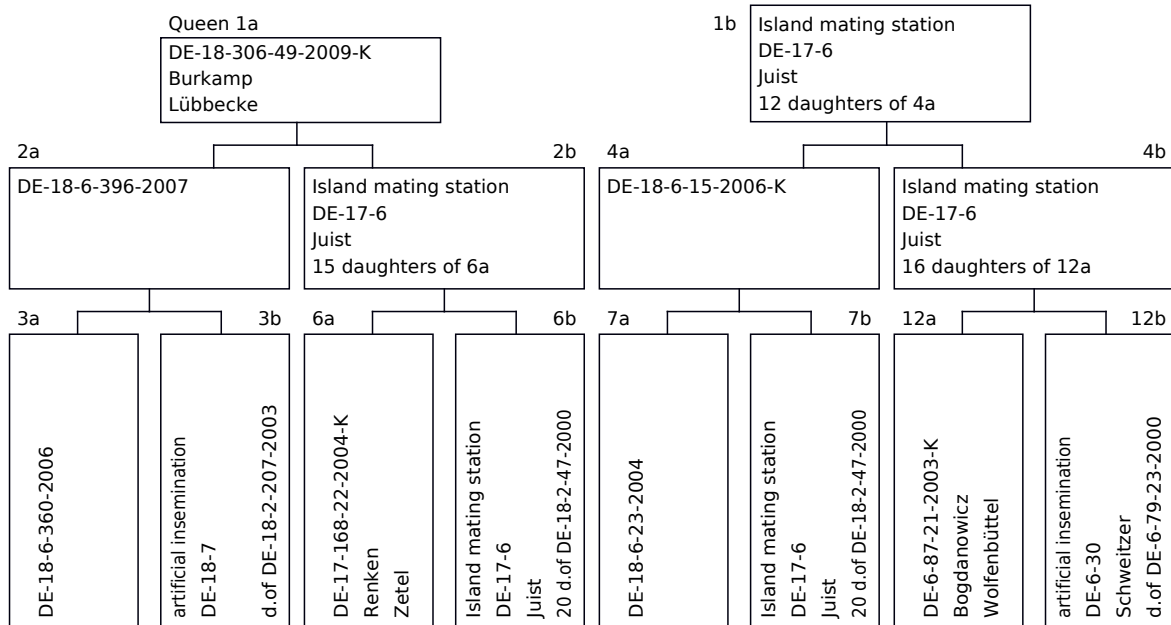


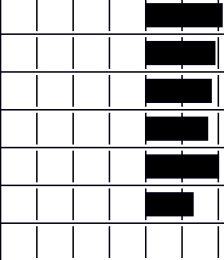
Tester of the queen: Burkamp, Gerhard, 32312 Lübbecke, DE-18-306, Apiary 1
 Breeder of the queen: Burkamp, Gerhard, 32312 Lübbecke, DE-18-306
1a Studbook number: **DE-18-306-49-2009-K**

Race line: Sign: green 49 Daughters of Queen: 0%
 Generation: Hatch date: Workers: 1.5%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony 306 | | | comparable colonies at the apiary | | |
|-----------------------------------------|-----------------------|-----------------|--------------------------------------------------------------------------------------|-----------------------------------|------------------|------|
| | kg | % | Ranking | number | Yield average kg | |
| | 76 | 122.6 | 1 | 6 | 62 | |
| | Assessment* | Breeding values | | | Reliability | |
| Total breeding value¹ | - | 121 |  | | | |
| Honey yield | - | 119 | | | | 0.37 |
| Defensive behavior | 4 | 118 | | | | 0.54 |
| Steadiness on comb | 4 | 117 | | | | 0.58 |
| Swarming drive | 4 | 120 | | | | 0.38 |
| Varroa | - | 113 | | | | 0.46 |
| 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-18-306-49-2009-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 | Calmness during inspection | Breeding Value Calmness | Swarming drive | Breeding Value Swarming | Varroa-index | Performance ndex |
|---------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|--------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|------------------|
| DE-18-306-49-2009-K | DE-18-306 | 1 | 121 | 76 | 119 | 4 | 118 | 4 | 117 | 4 | 120 | 113 | |
| DE-18-306-50-2009 | DE-18-306 | 1 | 95 | 53 | 91 | 3.5 | 95 | 3.5 | 94 | 3 | 88 | 103 | |
| DE-18-306-51-2009 | DE-18-306 | 1 | 102 | 67 | 104 | 3.5 | 96 | 3.5 | 95 | 3 | 91 | 109 | |
| DE-18-306-59-2009 | DE-18-306 | 1 | 108 | 63 | 105 | 4 | 117 | 4 | 117 | 2.5 | 100 | 100 | |
| DE-18-306-61-2009 | DE-18-306 | 1 | 79 | 48 | 83 | 3 | 82 | 3 | 82 | 2 | 77 | 89 | |
| DE-18-306-63-2009 | DE-18-306 | 1 | 91 | 65 | 100 | 3.5 | 88 | 2.5 | 88 | 2.5 | 86 | 96 | |