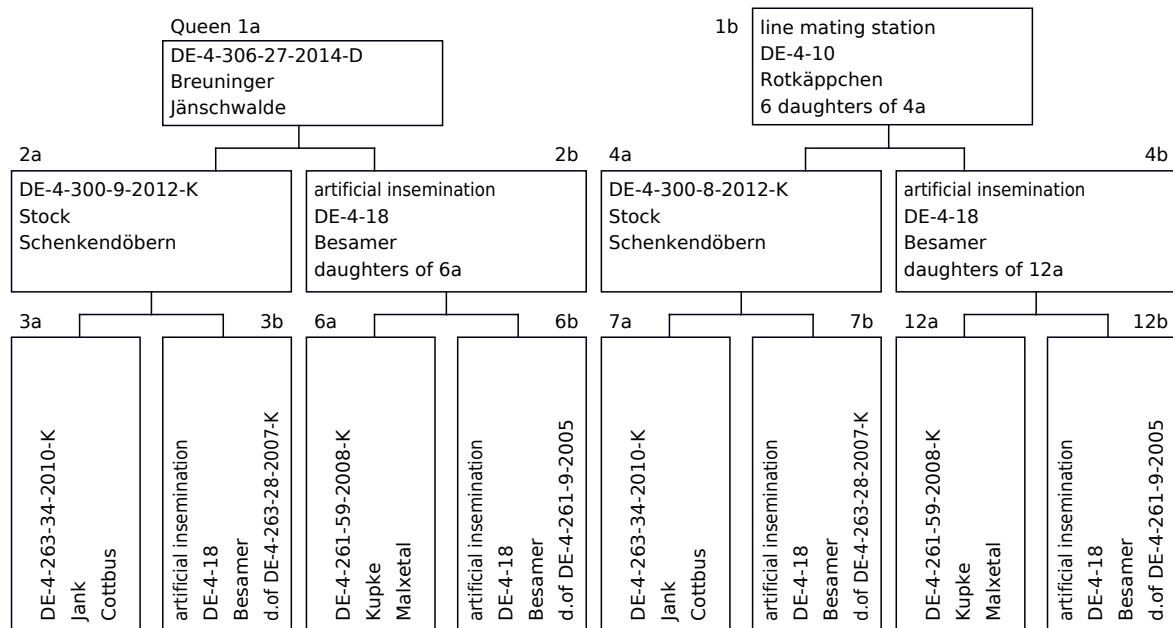


Tester of the queen: Breuninger, Hans Jörg, 03197 Jänschwalde, DE-4-306, Apiary 2
 Breeder of the queen: Breuninger, Hans Jörg, 03197 Jänschwalde, DE-4-306
1a Studbook number: **DE-4-306-27-2014-D**

Race line: -10 Sign: green 27 Daughters of Queen: 1%
 Generation: 0 Hatch date: 06.06.2014 Workers: 14%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony eigen | | | comparable colonies at the apiary | |
|---|-------------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 50 | 89.9 | 8 | 10 | 55.6 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 101 | | | |
| Honey yield | - | 96 | ■ | | 0.27 |
| Defensive behavior | 4 | 103 | ■ | | 0.44 |
| Steadiness on comb | 4 | 102 | ■ | | 0.47 |
| Swarming drive | 4 | 105 | ■ | | 0.26 |
| Varroa | - | (100) | | | 0.13 |
| Performance index | - | 0 | | | |
| Robustness in winter | 3 | | 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 D

Suitable for use as a drone colony at mating stations.

Breeding selection report DE-4-306-27-2014-D

Page 2

Performance of the sisters

Amount of checked sisters: 12

| 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-4-306-18-2014-D | DE-4-306 | 2 | 97 | 39 | 86 | 4 | Behavior | 4 | 4 | 4 | 4 | (99) | |
| DE-4-306-19-2014-K | DE-4-306 | 2 | 107 | 66 | 110 | 4 | 104 | 4 | 104 | 4 | 109 | (103) | |
| DE-4-306-20-2014-D | DE-4-306 | 2 | 105 | 60 | 105 | 4 | 104 | 4 | 103 | 4 | 107 | (102) | |
| DE-4-306-21-2014-D | DE-4-306 | 2 | 104 | 59 | 104 | 4 | 103 | 4 | 103 | 4 | 107 | (102) | |
| DE-4-306-22-2014-K | DE-4-306 | 2 | 106 | 64 | 109 | 4 | 104 | 4 | 104 | 4 | 108 | (102) | |
| DE-4-306-23-2014-K | DE-4-306 | 2 | 106 | 65 | 109 | 4 | 104 | 4 | 104 | 4 | 109 | (102) | |
| DE-4-306-24-2014-D | DE-4-306 | 2 | 103 | 56 | 101 | 4 | 103 | 4 | 103 | 4 | 106 | (101) | |
| DE-4-306-25-2014-D | DE-4-306 | 2 | 95 | 33 | 81 | 4 | 101 | 4 | 100 | 4 | 100 | (98) | |
| DE-4-306-26-2014-D | DE-4-306 | 2 | 106 | 64 | 109 | 4 | 104 | 4 | 104 | 4 | 108 | (102) | |
| DE-4-306-27-2014-D | DE-4-306 | 2 | 101 | 50 | 96 | 4 | 103 | 4 | 102 | 4 | 105 | (100) | |
| DE-4-307-7-2014 | DE-4-307 | 1 | 94 | | 88 | | 94 | | 93 | | 101 | (97) | |
| DE-4-307-8-2014 | DE-4-307 | 1 | 102 | | 95 | | 103 | | 101 | | 107 | (102) | |