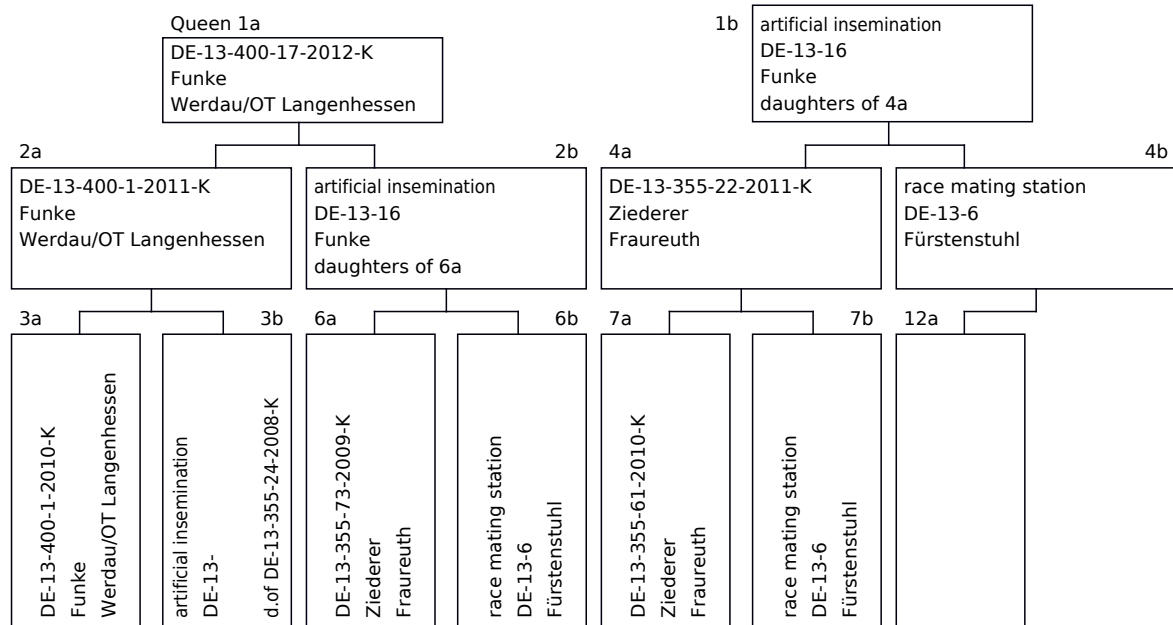








Tester of the queen: Funke, Thomas, 08412 Werdau/OT Langenhessen, DE-13-400, Apiary 3
 Breeder of the queen: Funke, Thomas, 08412 Werdau/OT Langenhessen, DE-13-400
1a Studbook number: **DE-13-400-17-2012-K**

Race line: -2 Sign: yellow 89 Daughters of Queen: 3.1%
 Generation: 3 Hatch date: 9.6.2012 Workers: 1.5%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony L23 | | | comparable colonies at the apiary | | |
|---|-----------------------|-----------------|--|-----------------------------------|------------------|------|
| | kg | % | Ranking | number | Yield average kg | |
| | 78.5 | 103.9 | 1 | 8 | 75.6 | |
| | Assessment* | Breeding values | | | Reliability | |
| Total breeding value¹ | - | 112 |  | | | |
| Honey yield | - | 115 |  | | | 0.27 |
| Defensive behavior | 4 | 112 |  | | | 0.42 |
| Steadiness on comb | 4 | 112 |  | | | 0.46 |
| Swarming drive | 3.90 | 119 |  | | | 0.28 |
| Varroa | - | (102) |  | | | 0.16 |
| Performance index | - | 0 | | | | |
| Robustness in winter | 4 | | | | | |
| Development in Spring | 4 | | | | | |
| Colony strength | 3.90 | | | | | |

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 A

Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

Breeding selection report DE-13-400-17-2012-K

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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 | Calmness during inspection | Breeding Value Calmness | Swarming drive | Breeding Value Swarming | Varroa-index | Performance ndex |
|---------------------|---------------------|--------|----------------------|----------|----------------------|--------------------|--------------------------|----------------------------|-------------------------|----------------|-------------------------|--------------|------------------|
| DE-13-400-17-2012-K | DE-13-400 | 3 | 112 | 78.5 | 115 | 4 | 112 | 4 | 112 | 3.9 | 119 | (102) | |
| DE-13-400-18-2012 | DE-13-400 | 3 | 99 | 74.6 | 106 | 3.7 | 97 | 3.9 | 112 | 3.6 | 103 | (96) | |
| DE-13-400-19-2012 | DE-13-400 | 3 | 93 | 73.8 | 103 | 3.6 | 88 | 3.7 | 89 | 3.7 | 101 | (94) | |
| DE-13-400-20-2012 | DE-13-400 | 3 | 104 | 76.6 | 110 | 3.9 | 101 | 3.8 | 101 | 3.7 | 109 | (99) | |
| DE-13-400-21-2012 | DE-13-400 | 3 | 108 | 78.1 | 113 | 4 | 108 | 3.9 | 109 | 3.5 | 108 | (102) | |
| DE-13-400-22-2012 | DE-13-400 | 3 | 109 | 75.6 | 111 | 4 | 111 | 4 | 112 | 3.6 | 111 | (101) | |
| DE-13-400-23-2012 | DE-13-400 | 3 | 107 | 77 | 111 | 4 | 108 | 3.9 | 109 | 3.2 | 103 | (102) | |
| DE-13-400-24-2012 | DE-13-400 | 3 | 104 | 70.2 | 102 | 4 | 104 | 3.8 | 104 | 3.8 | 110 | (99) | |