

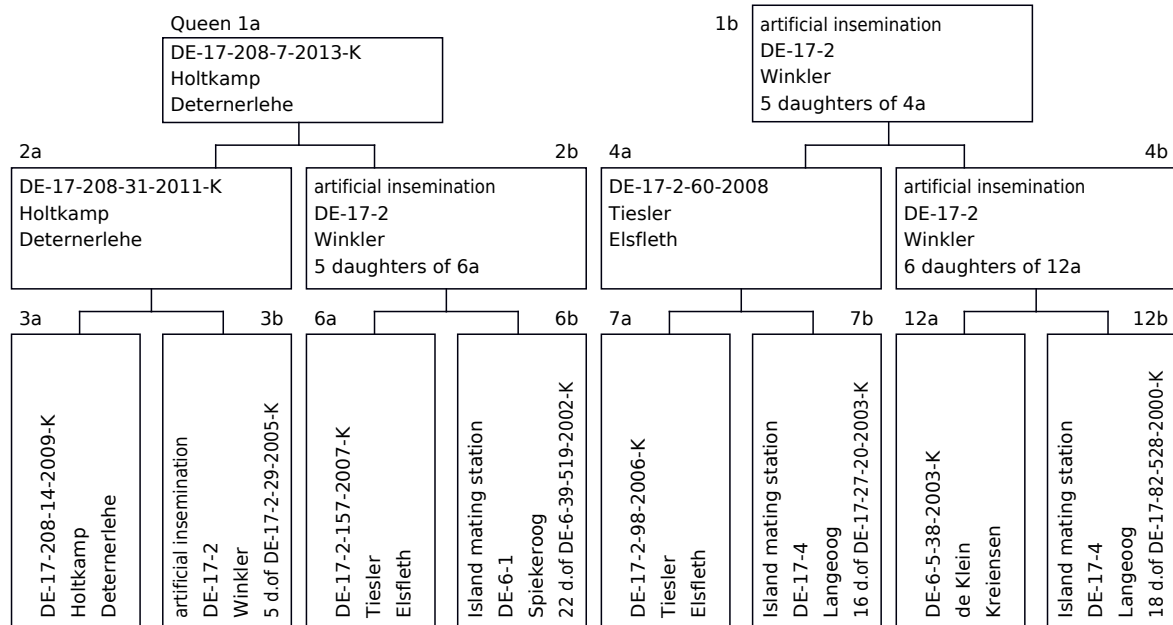
Tester of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208, Apiary 1
Breeder of the queen: Holtkamp, Helmut, 26847 Deternerlehe, DE-17-208
1a Studbook number: **DE-17-208-7-2013-K**

Race line: -22
Generation: 6

Sign: red 35
Hatch date: 28.05.2013

Daughters of
Queen: 0.3%
Workers: 0.8%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony Volk 37 | | | comparable colonies at the apiary | |
|---|---------------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 42 | 121.2 | 4 | 13 | 34.7 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 125 | | | |
| Honey yield | - | 113 | | | 0.41 |
| Defensive behavior | 4 | 127 | | | 0.62 |
| Steadiness on comb | 4 | 126 | | | 0.64 |
| Swarming drive | 4 | 120 | | | 0.41 |
| Varroa | - | 116 | | | 0.52 |
| Performance index | - | 0 | | | |
| Robustness in winter | 3 | | 70% | 100% | 170% |
| Development in Spring | 4 | | | | |
| Colony strength | 3 | | | | |

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-17-208-7-2013-K

Page 2

Performance of the sisters

Amount of checked sisters: 10

| 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-17-208-2-2013 | DE-17-208 | 1 | 117 | 46.9 | 113 | 3.5 | 99 | 4 | 126 | 4 | 120 | 113 | |
| DE-17-208-5-2013 | DE-17-208 | 1 | 99 | 31.7 | 99 | 3.5 | 99 | 2.5 | 99 | 4 | 108 | 97 | |
| DE-17-208-6-2013 | DE-17-208 | 1 | 104 | 33.6 | 101 | 3.5 | 99 | 2.5 | 98 | 4 | 106 | 106 | |
| DE-17-208-7-2013-K | DE-17-208 | 1 | 125 | 42 | 113 | 4 | 127 | 4 | 126 | 4 | 120 | 116 | |
| DE-17-208-8-2013 | DE-17-208 | 1 | 130 | 63.8 | 126 | 4 | 129 | 4 | 128 | 4 | 125 | 118 | |
| DE-17-208-9-2013 | DE-17-208 | 1 | 100 | 35.5 | 103 | 3.5 | 102 | 3 | 102 | 4 | 111 | 93 | |
| DE-17-208-3-2013 | DE-17-208 | 2 | 100 | 36 | 102 | 3 | 92 | 3 | 91 | 4 | 103 | 104 | |
| DE-17-208-4-2013 | DE-17-208 | 2 | 99 | 33.7 | 100 | 3 | 92 | 3 | 91 | 4 | 102 | 103 | |
| DE-17-208-1-2013 | DE-17-208 | 3 | 111 | 18.5 | 105 | 3 | 103 | 2.5 | 101 | 4 | 110 | 115 | |
| DE-17-208-10-2013 | DE-17-208 | 3 | 97 | 19.8 | 103 | 2 | 92 | 2 | 91 | 4 | 108 | 96 | |