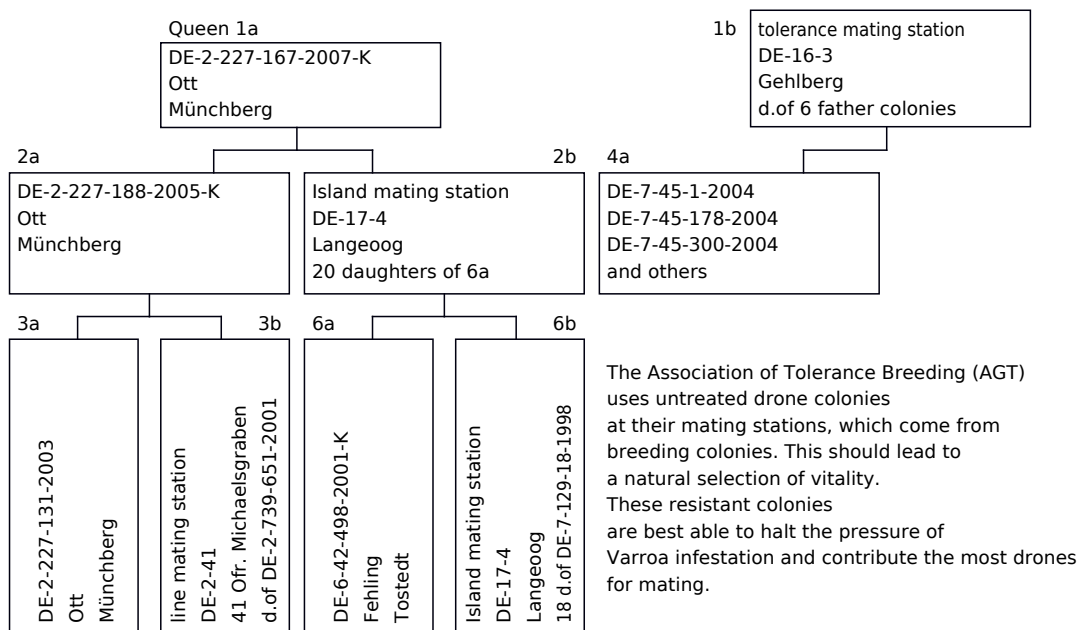


Tester of the queen: Ltg. Achim Fuchs, Prüfhof Kringell, 94116 Hutthurm, DE-2-502, Apiary 2
 Breeder of the queen: Ott, Alfred, 95213 Münchberg, DE-2-227
1a Studbook number: **DE-2-227-167-2007-K**

Race line: -1 Sign: yellow 67 Daughters of Queen: 0%
 Generation: 4 Hatch date: 29.5.2007 Workers: 0%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony 2209 | | | comparable colonies at the apiary | |
|---|------------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 9.7 | 89.1 | 36 | 57 | 10.9 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 103 | █ | | |
| Honey yield | - | 100 | █ | | 0.41 |
| Defensive behavior | 3.50 | 102 | █ | | 0.65 |
| Steadiness on comb | 3.50 | 101 | █ | | 0.67 |
| Swarming drive | 4 | 102 | █ | | 0.4 |
| Varroa | - | 105 | █ | | 0.53 |
| Performance index | - | 0 | █ | | |
| Robustness in winter | 2 | 70% 100% 170% | | | |
| Development in Spring | 3 | | | | |
| 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-2-227-167-2007-K

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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-2-227-756-2007 | DE-2-227 | 1 | 99 | | 118 | | 100 | | 100 | | 100 | 84 | |
| DE-2-227-787-2007 | DE-2-227 | 1 | 100 | | 102 | | 99 | | 99 | | 106 | (99) | |
| DE-2-227-788-2007 | DE-2-227 | 1 | 102 | | 103 | | 99 | | 98 | | 107 | (101) | |
| DE-2-227-174-2007 | DE-2-501 | 1 | 112 | | 109 | | 111 | | 110 | | 115 | 107 | |
| DE-2-227-177-2007 | DE-2-501 | 1 | 92 | | 100 | | 98 | | 99 | | 99 | 86 | |
| DE-2-227-167-2007-K | DE-2-502 | 2 | 103 | 9.7 | 100 | 3.5 | 102 | 3.5 | 101 | 4 | 102 | 105 | |
| DE-2-227-169-2007-K | DE-2-502 | 2 | 101 | 17.8 | 108 | 3.4 | 93 | 3 | 93 | 4 | 100 | 104 | |
| DE-2-227-170-2007 | DE-2-502 | 2 | 97 | 6.2 | 93 | 3.4 | 92 | 3 | 91 | 4 | 95 | 105 | |
| DE-2-227-171-2007 | DE-2-502 | 2 | 81 | 6.2 | 92 | 3.1 | 87 | 3 | 89 | 4 | 98 | 76 | |
| DE-2-227-172-2007 | DE-2-502 | 2 | 103 | 13.6 | 104 | 3.5 | 97 | 3.2 | 97 | 4 | 100 | 107 | |