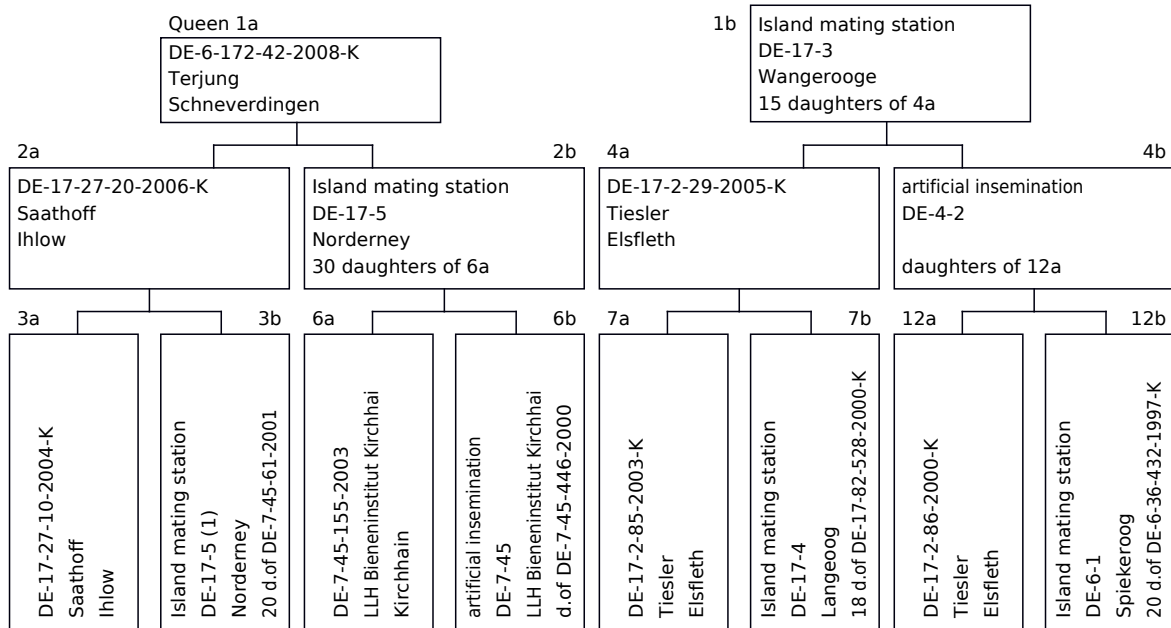


Tester of the queen: Fehling, Horst-Dieter, 21255 Tostedt, DE-6-42, Apiary 3
 Breeder of the queen: Terjung, Dr. Friedrich, 29640 Schneverdingen, DE-6-172
1a Studbook number: **DE-6-172-42-2008-K**

Race line: -70 Sign: red 16 Daughters of Queen: 4.4%
 Generation: 0 Hatch date: 26.06.2008 Workers: 0%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony 27 | | | comparable colonies at the apiary | | |
|---|----------------------|-----------------|-------------|-----------------------------------|------------------|------|
| | kg | % | Ranking | number | Yield average kg | |
| | 42.9 | 132.4 | 1 | 12 | 32.4 | |
| | Assessment* | Breeding values | | | Reliability | |
| Total breeding value¹ | - | 126 | [Bar chart] | | | |
| Honey yield | - | 114 | [Bar chart] | | | 0.49 |
| Defensive behavior | 4 | 122 | [Bar chart] | | | 0.65 |
| Steadiness on comb | 4 | 121 | [Bar chart] | | | 0.67 |
| Swarming drive | 3 | 111 | [Bar chart] | | | 0.48 |
| Varroa | - | 125 | [Bar chart] | | | 0.57 |
| Performance index | - | 0 | [Bar chart] | | | |
| 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-6-172-42-2008-K

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Performance of the sisters

Amount of checked sisters: 16

| 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-6-172-46-2008 | DE-6-42 | 1 | 110 | 21.1 | 94 | 4 | 4 | 4 | 4 | 3 | 3 | 111 | |
| DE-6-172-41-2008 | DE-6-42 | 3 | 116 | 37.3 | 106 | 3.8 | 112 | 3.8 | 110 | 4 | 117 | 114 | |
| DE-6-172-42-2008-K | DE-6-42 | 3 | 126 | 42.9 | 114 | 4 | 122 | 4 | 121 | 3 | 111 | 125 | |
| DE-6-172-43-2008 | DE-6-42 | 3 | 93 | 26.1 | 93 | 3.3 | 95 | 3.6 | 94 | 3 | 96 | 94 | |
| DE-6-172-44-2008 | DE-6-42 | 3 | 111 | 32.6 | 100 | 3.6 | 102 | 3.6 | 99 | 4 | 110 | 117 | |
| DE-6-172-45-2008 | DE-6-42 | 4 | 111 | 11.2 | 81 | 3.5 | 102 | 3.5 | 98 | 4 | 98 | 130 | |
| DE-6-172-47-2008 | DE-6-42 | 4 | 119 | 50.4 | 106 | 3.6 | 109 | 3.6 | 106 | 4 | 110 | 126 | |
| DE-6-172-48-2008 | DE-6-42 | 4 | 128 | 63 | 115 | 3.8 | 120 | 3.8 | 117 | 3 | 99 | 136 | |
| DE-6-172-33-2008 | DE-6-172 | 3 | 107 | | 102 | | 111 | | 111 | | 117 | 98 | |
| DE-6-172-34-2008 | DE-6-172 | 4 | 117 | | 104 | | 114 | | 111 | | 107 | 120 | |
| DE-6-172-36-2008 | DE-6-172 | 4 | 117 | | 108 | | 115 | | 114 | | 117 | 113 | |
| DE-6-172-37-2008 | DE-6-172 | 4 | 116 | | 105 | | 114 | | 112 | | 118 | 113 | |
| DE-6-172-38-2008 | DE-6-172 | 4 | 106 | | 101 | | 102 | | 101 | | 103 | 110 | |
| DE-6-172-39-2008 | DE-6-172 | 4 | 119 | | 107 | | 117 | | 115 | | 118 | 115 | |
| DE-6-172-40-2008 | DE-6-172 | 4 | 104 | | 92 | | 101 | | 99 | | 100 | 111 | |
| DE-6-172-35-2008 | DE-6-172 | 6 | 116 | | 101 | | 117 | | 115 | | 107 | 116* | |

Only one Varroa trait was recorded