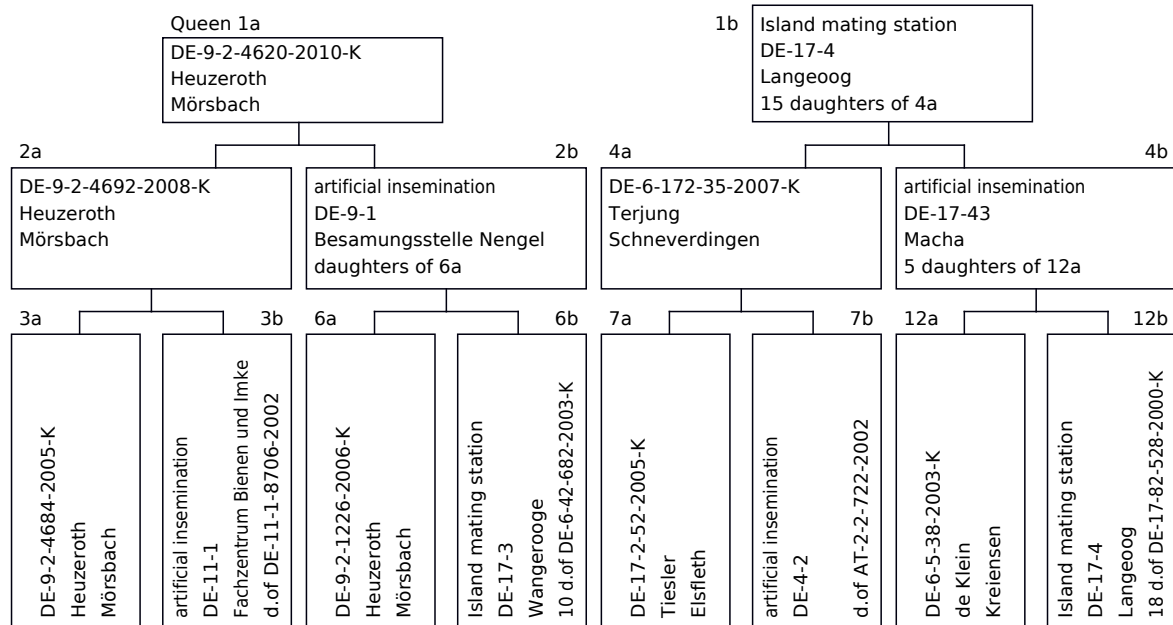


Tester of the queen: Heuzeroth, Siegfried, 57629 Mörsbach, DE-9-2, Apiary 1
 Breeder of the queen: Heuzeroth, Siegfried, 57629 Mörsbach, DE-9-2
1a Studbook number: **DE-9-2-4620-2010-K**

Race line: -1 Sign: blue 20 Daughters of Queen: 1.6%
 Generation: 3 Hatch date: 02.06.2010 Workers: 0.4%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony 34 | | | comparable colonies at the apiary | |
|---|----------------------|-----------------|-------------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 78 | 104 | 7 | 14 | 75 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 88 | [Bar chart] | | |
| Honey yield | - | 80 | [Bar chart] | | |
| Defensive behavior | 3.90 | 81 | [Bar chart] | | |
| Steadiness on comb | 3.90 | 84 | [Bar chart] | | |
| Swarming drive | 4 | 91 | [Bar chart] | | |
| Varroa | - | 99 | [Bar chart] | | |
| Performance index | - | 81 | [Bar chart] | | |
| Robustness in winter | | | 70% | 100% | 170% |
| Development in Spring | | | | | |
| Colony strength | | | | | |

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.

For the correctness DE-9

Breeding selection report DE-9-2-4620-2010-K

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Performance of the sisters

Amount of checked sisters: 9

| 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-9-2-4620-2010-K | DE-9-2 | 1 | 88 | 78 | 80 | 3.9 | 81 | 3.9 | 84 | 4 | 91 | 99 | 81 |
| DE-9-2-4621-2010 | DE-9-2 | 1 | 86 | 70.6 | 87 | 3.9 | 85 | 3.6 | 85 | 3.9 | 89 | 90 | 84 |
| DE-9-2-4625-2010-K | DE-9-2 | 1 | 87 | 80 | 90 | 3.9 | 85 | 3.8 | 86 | 4 | 81 | 94 | 83 |
| DE-9-2-4626-2010 | DE-9-2 | 1 | 83 | 43.3 | 83 | 3.6 | 79 | 3.2 | 78 | 4 | 87 | 92 | 78 |
| DE-9-2-4615-2010 | DE-9-2 | 2 | 87 | 83.8 | 90 | 3.6 | 77 | 3.6 | 78 | 3.7 | 90 | 96 | 81 |
| DE-9-2-4616-2010-K | DE-9-2 | 2 | 92 | 85.9 | 91 | 4 | 90 | 4 | 91 | 4 | 94 | 95 | 90 |
| DE-9-2-4618-2010 | DE-9-2 | 2 | 85 | 82.9 | 89 | 3.8 | 80 | 3.5 | 78 | 2 | 84 | 95 | 79 |
| DE-9-2-4624-2010 | DE-10-30 | 1 | 84 | | 85 | | 83 | | 82 | | 87 | 91* | 81 |
| DE-9-2-4623-2010 | DE-11-63 | 1 | 84 | | 87 | | 77 | | 82 | | 89 | 91 | 81 |

Only one Varroa trait was recorded