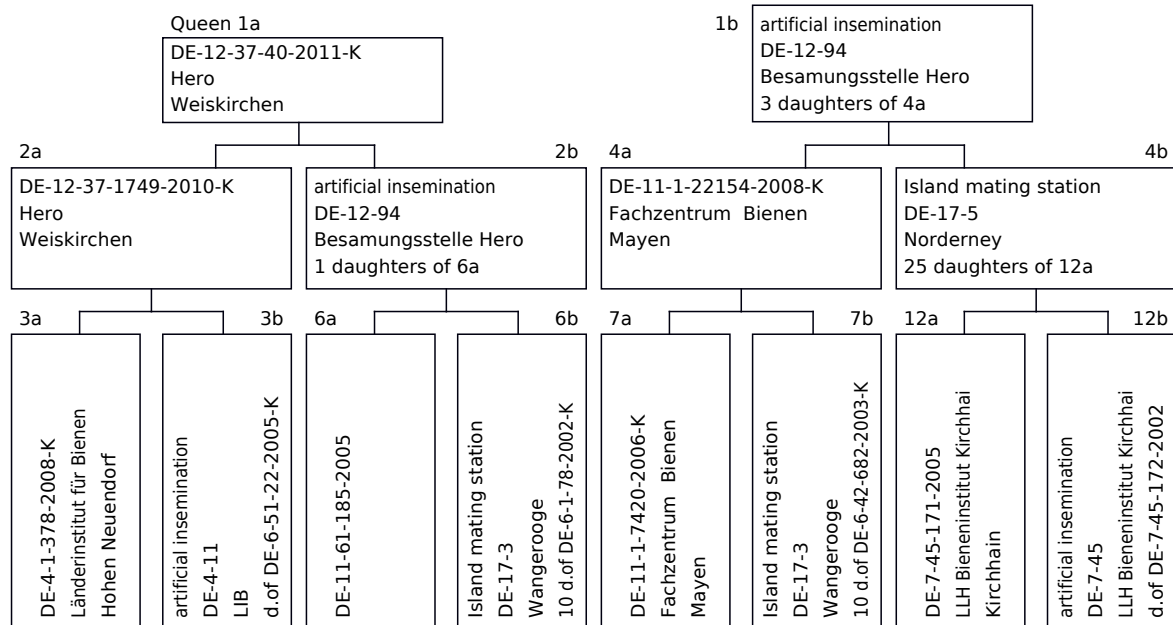


Tester of the queen: Hero, Horst, 66709 Weiskirchen, DE-12-37, Apiary 1
 Breeder of the queen: Hero, Horst, 66709 Weiskirchen, DE-12-37
1a Studbook number: **DE-12-37-40-2011-K**

Race line: Sign: white 26
 Generation: 2 Hatch date: 24.6.2011

Daughters of Queen: 0.2%
 Workers: 0.5%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony PV 12 | | | comparable colonies at the apiary | |
|---|-------------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 52.2 | 128.5 | 1 | 14 | 40.6 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 126 | | | |
| Honey yield | - | 118 | | | 0.41 |
| Defensive behavior | 3.90 | 119 | | | 0.62 |
| Steadiness on comb | 3.80 | 118 | | | 0.65 |
| Swarming drive | 4 | 119 | | | 0.4 |
| Varroa | - | 122 | | | 0.52 |
| Performance index | - | 0 | | | |
| Robustness in winter | 3.90 | | 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-12-37-40-2011-K

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Performance of the sisters

Amount of checked sisters: 1

| 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-12-37-40-2011-K | DE-12-37 | 1 | 126 | 52.2 | 118 | 3.9 | 119 | 3.8 | 118 | 4 | 119 | 122 | |

inspection