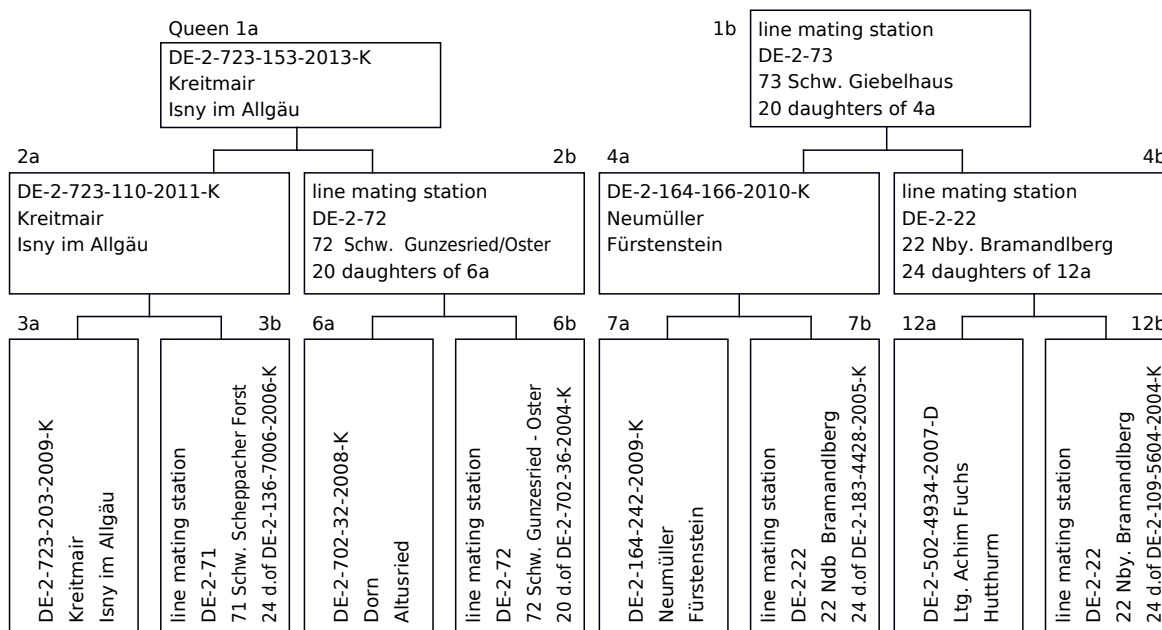


Tester of the queen: Ltg. Sven Zieseniss, Prüfhof Guglhör, 82418 Riegsee, DE-2-501, Apiary 2
 Breeder of the queen: Kreitmair, Gebhard, 88316 Isny im Allgäu, DE-2-723
1a Studbook number: **DE-2-723-153-2013-K**

Race line: Sign: red Daughters of Queen: 3.6%
 Generation: Hatch date: 29.05.2013 Workers: 0.3%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony 1328 | | | comparable colonies at the apiary | | |
|---|------------------------|-----------------|---------|-----------------------------------|------------------|------|
| | kg | % | Ranking | number | Yield average kg | |
| | 18.9 | 151.5 | 3 | 21 | 12.5 | |
| | Assessment* | Breeding values | | | Reliability | |
| Total breeding value¹ | - | 107 | ■ | | | |
| Honey yield | - | 113 | ■ | | | 0.44 |
| Defensive behavior | 3 | 103 | ■ | | | 0.64 |
| Steadiness on comb | 2.90 | 103 | ■ | | | 0.67 |
| Swarming drive | 3 | 100 | ■ | | | 0.43 |
| Varroa | - | 107 | ■ | | | 0.53 |
| Performance index | - | 0 | | | | |
| Robustness in winter | 3 | 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-2-723-153-2013-K

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Performance of the sisters

Amount of checked sisters: 14

| 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-2-723-151-2013-K | DE-2-501 | 1 | 102 | 16 | 115 | 3 | 109 | 3.1 | 109 | 4 | 100 | 82 | |
| DE-2-723-204-2013-K | DE-2-501 | 1 | 105 | 12 | 109 | 3 | 105 | 2.9 | 106 | 3 | 100 | 101 | |
| DE-2-723-152-2013-K | DE-2-501 | 2 | 112 | 8.8 | 107 | 3.1 | 109 | 3.1 | 109 | 3 | 99 | 114 | |
| DE-2-723-153-2013-K | DE-2-501 | 2 | 107 | 18.9 | 113 | 3 | 103 | 2.9 | 103 | 3 | 100 | 107 | |
| DE-2-723-155-2013-K | DE-2-501 | 2 | 105 | 15.4 | 112 | 3.1 | 110 | 3.1 | 112 | 3 | 106 | 94 | |
| DE-2-723-157-2013-K | DE-2-502 | 2 | 100 | | 107 | | 101 | | 102 | | 103 | 95 | |
| DE-2-723-158-2013-K | DE-2-502 | 2 | 96 | | 106 | | 94 | | 95 | | 99 | 95 | |
| DE-2-723-160-2013-K | DE-2-502 | 2 | 103 | | 107 | | 95 | | 95 | | 97 | 108 | |
| DE-2-723-203-2013-K | DE-2-502 | 2 | 121 | | 115 | | 122 | | 122 | | 111 | 115 | |
| DE-2-723-162-2013-K | DE-2-503 | 3 | 106 | | 118 | | 116 | | 119 | | 111 | 88 | |
| DE-2-723-163-2013-K | DE-2-503 | 3 | 122 | | 132 | | 118 | | 119 | | 120 | 109 | |
| DE-2-723-164-2013-K | DE-2-503 | 3 | 107 | | 114 | | 102 | | 102 | | 108 | 104 | |
| DE-2-723-165-2013-K | DE-2-503 | 3 | 100 | | 111 | | 109 | | 112 | | 104 | 87 | |
| DE-2-723-219-2013 | DE-2-723 | 1 | 105 | | 113 | | 102 | | 103 | | 102 | 103 | |