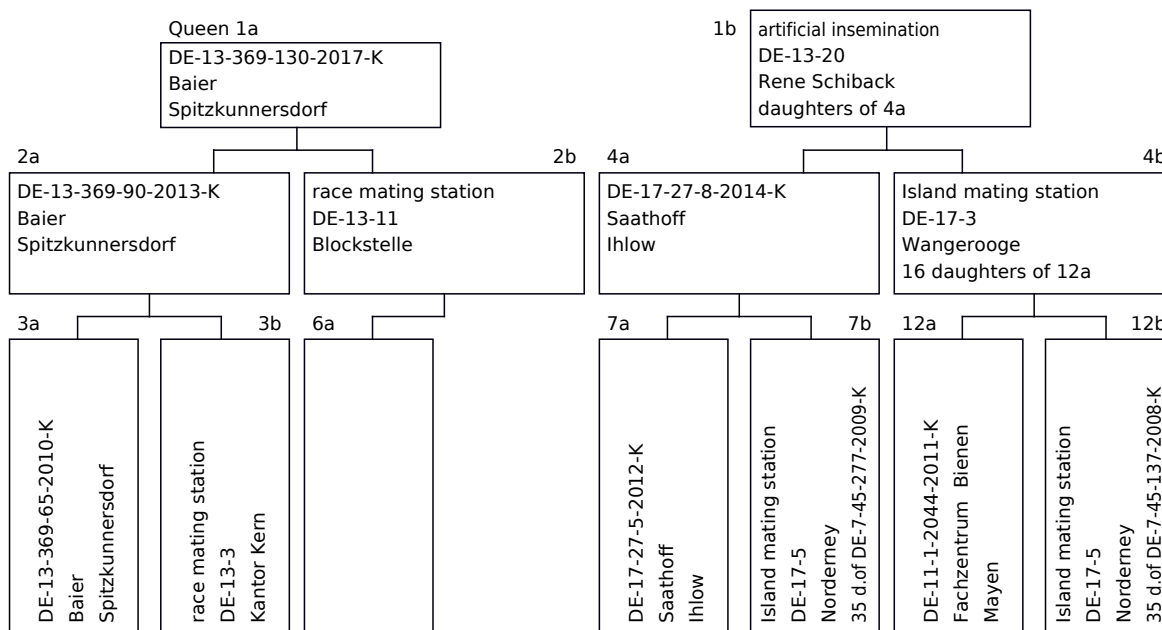


Tester of the queen: Baier, Arndt, 02794 Spitzkunnersdorf, DE-13-369, Apiary 1
 Breeder of the queen: Baier, Arndt, 02794 Spitzkunnersdorf, DE-13-369
1a Studbook number: **DE-13-369-130-2017-K**

Race line: -Kloß Sign: yellow Daughters of Queen: 0.0%
 Generation: 7 Hatch date: 01.07.2017 Workers: 0.0%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony | | | comparable colonies at the apiary | |
|---|-------------------|-----------------|---------|-----------------------------------|------------------|
| | kg | % | Ranking | number | Yield average kg |
| | 53.1 | 169.1 | 1 | 18 | 31.4 |
| | Assessment* | Breeding values | | | Reliability |
| Total breeding value¹ | - | 110 | | | |
| Honey yield | - | 111 | | | 0.31 |
| Defensive behavior | 4 | 112 | | | 0.5 |
| Steadiness on comb | 4 | 112 | | | 0.51 |
| Swarming drive | 4 | 107 | | | 0.27 |
| Varroa | - | (100) | | | 0.07 |
| Performance index | - | 0 | | | |
| 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 A

Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

Breeding selection report DE-13-369-130-2017-K

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Performance of the sisters

Amount of checked sisters: 7

| 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-13-369-129-2017-K | DE-13-369 | 1 | 103 | 50.8 | 110 | 3.5 | 107 | 3.8 | 106 | 3.9 | 102 | (100) | |
| DE-13-369-130-2017-K | DE-13-369 | 1 | 110 | 53.1 | 111 | 4 | 112 | 4 | 112 | 4 | 107 | (100) | |
| DE-13-369-131-2017-K | DE-13-369 | 1 | 104 | 41.7 | 104 | 3.8 | 107 | 3.8 | 106 | 3.8 | 102 | (100) | |
| DE-13-369-132-2017 | DE-13-369 | 1 | 80 | 32.8 | 82 | 3.2 | 80 | 3.6 | 81 | 3.5 | 79 | (88) | 77 |
| DE-13-369-133-2017 | DE-13-369 | 1 | 80 | 33.7 | 83 | 3.2 | 79 | 3.5 | 80 | 3.6 | 80 | (88) | 77 |
| DE-13-369-134-2017-K | DE-13-369 | 1 | 107 | 42.3 | 104 | 4 | 112 | 3.9 | 111 | 4 | 106 | (100) | |
| DE-13-369-135-2017 | DE-13-369 | 1 | 81 | 29.4 | 82 | 3.5 | 82 | 3.5 | 82 | 3.9 | 81 | (88) | 78 |