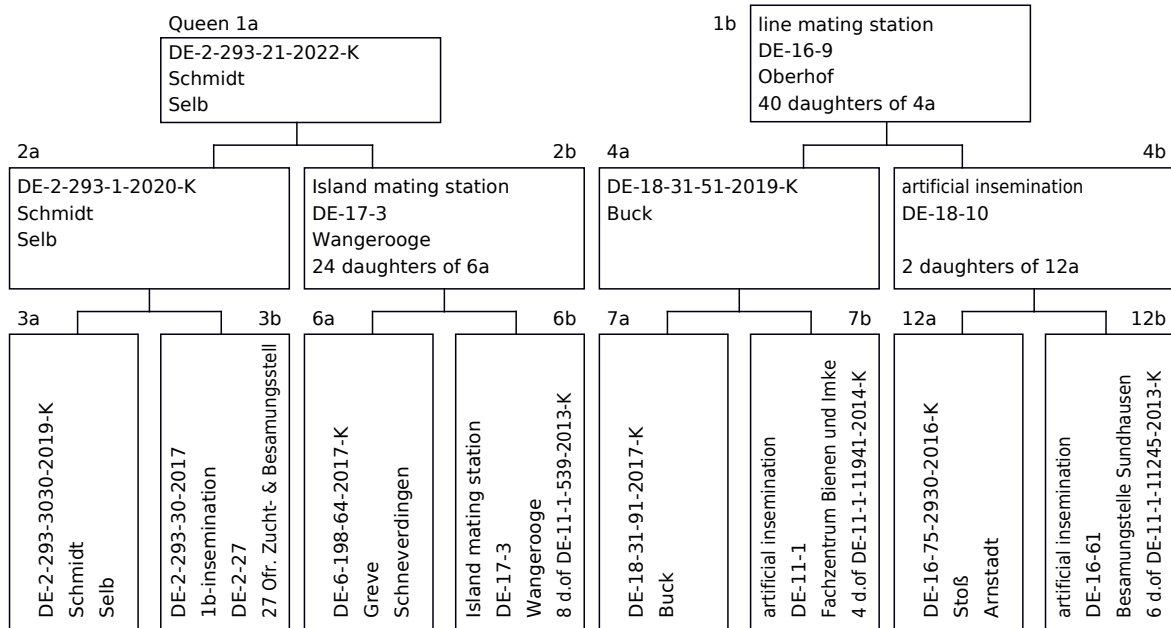









Tester of the queen: Ltg. Alexander Trian, Prüfhof Thüngersheim, 97209 Veitshöchheim, DE-2-503, Apiary 2
 Breeder of the queen: Schmidt, Florian, 95100 Selb, DE-2-293
1a Studbook number: **DE-2-293-21-2022-K**

Race line: -Carnica/AGT Sign: yellow 21 Daughters of Queen: 0.3%
 Generation: 4 Hatch date: 22.05.2022 Workers: 1.7%

A. Pedigree



B. Own performance

| Performance test year | No. of the colony 112 | | | comparable colonies at the apiary | | |
|---|-----------------------|-----------------|--|-----------------------------------|------------------|------|
| | kg | % | Ranking | number | Yield average kg | |
| | 25.8 | 102.7 | 12 | 23 | 25.1 | |
| | Assessment* | Breeding values | | | Reliability | |
| Total breeding value¹ | - | 116 |  | | | |
| Honey yield | - | 105 |  | | | 0.48 |
| Defensive behavior | 3.30 | 111 |  | | | 0.58 |
| Steadiness on comb | 2.60 | 109 |  | | | 0.58 |
| Swarming drive | 4 | 119 |  | | | 0.54 |
| Varroa | - | 112 |  | | | 0.56 |
| Performance index | - | 113 |  | | | 0.48 |
| Robustness in winter | 4 | | 70% | 100% | 170% | |
| Development in Spring | 3 | | | | | |
| Colony strength | 2 | | | | | |

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-2-293-21-2022-K

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Performance of the sisters

Amount of checked sisters: 17

| 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-2-293-4-2022 | DE-2-293 | 1 | 116 | | 104 | | 109 | | 109 | | 109 | 120 | 108 |
| DE-2-293-36-2022 | DE-2-293 | 1 | 116 | | 103 | | 111 | | 109 | | 115 | 115 | 111 |
| DE-2-293-43-2022 | DE-2-293 | 1 | 117 | | 108 | | 112 | | 111 | | 116 | 114 | 114 |
| DE-2-293-72-2022 | DE-2-293 | 1 | 119 | | 107 | | 113 | | 112 | | 116 | 117 | 114 |
| DE-2-293-31-2022-K | DE-2-502 | 2 | 107 | | 101 | | 104 | | 100 | | 110 | 107 | 104 |
| DE-2-293-34-2022-K | DE-2-502 | 2 | 112 | | 105 | | 107 | | 104 | | 111 | 111 | 108 |
| DE-2-293-35-2022-K | DE-2-502 | 2 | 114 | | 105 | | 115 | | 114 | | 113 | 108 | 114 |
| DE-2-293-46-2022-K | DE-2-502 | 2 | 112 | | 103 | | 105 | | 103 | | 111 | 113 | 107 |
| DE-2-293-49-2022-K | DE-2-502 | 2 | 121 | | 106 | | 120 | | 120 | | 114 | 116 | 118 |
| DE-2-293-74-2022-K | DE-2-502 | 2 | 117 | | 107 | | 115 | | 113 | | 113 | 114 | 114 |
| DE-2-293-16-2022-K | DE-2-503 | 2 | 119 | 24.6 | 105 | 3.1 | 112 | 3 | 112 | 4 | 119 | 118 | 114 |
| DE-2-293-21-2022-K | DE-2-503 | 2 | 116 | 25.8 | 105 | 3.3 | 111 | 2.6 | 109 | 4 | 119 | 112 | 113 |
| DE-2-293-22-2022** | DE-2-503 | 2 | 115 | | (104) | | (111) | | (110) | | (113) | (113) | 111 |
| DE-2-293-26-2022-K | DE-2-503 | 2 | 118 | 25.1 | 106 | 2.9 | 110 | 3 | 111 | 4 | 119 | 115 | 114 |
| DE-2-293-33-2022-K | DE-2-503 | 2 | 118 | 24.2 | 105 | 3.4 | 114 | 3 | 113 | 4 | 120 | 114 | 115 |
| DE-2-293-39-2022-K | DE-2-503 | 2 | 118 | 12.9 | 101 | 3.4 | 115 | 3.2 | 114 | 3 | 114 | 118 | 113 |
| DE-2-293-65-2022-K | DE-2-731 | 1 | 112 | | 99 | | 110 | | 107 | | 111 | 111 | 108 |

Colony without performance tests