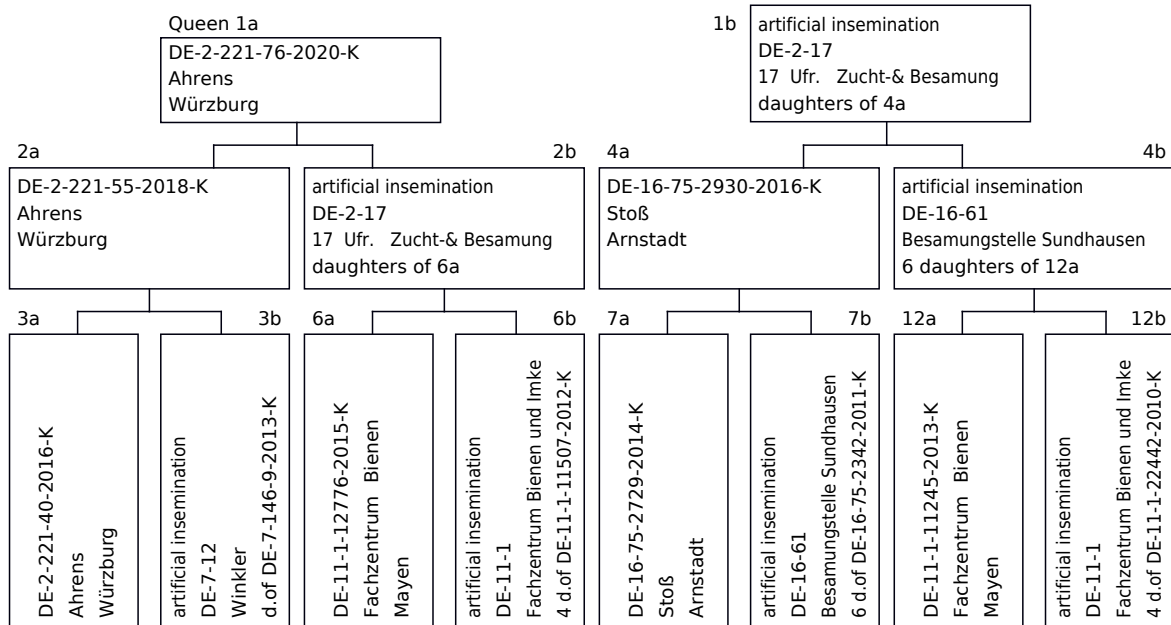


Tester of the queen: Reitberger †, Franz, 84389 Postmünster, DE-2-147, Apiary 1  
 Breeder of the queen: Ahrens, Dirk, 97074 Würzburg, DE-2-221  
**1a** Studbook number: **DE-2-221-76-2020-K**

Race line: -70 Sign: blue Daughters of Queen: 1.5%  
 Generation: 4 Hatch date: Workers: 3.4%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	31.5	117.4	3	17	26.8
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	118			
Honey yield	-	113			0.46
Defensive behavior	3.50	121			0.56
Steadiness on comb	4	121			0.56
Swarming drive	4	105			0.5
Varroa	-	(112)			0.44
Performance index	-	117			0.46
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength					

<sup>1</sup>In 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-2-221-76-2020-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 10

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-2-221-74-2020	DE-2-147	1	117	28	110	4	119	3.5	117	4	104	(112)	116
DE-2-221-76-2020-K	DE-2-147	1	118	31.5	113	3.5	121	4	121	4	105	(112)	117
DE-2-221-73-2020	DE-2-147	2	116	30	110	3.5	119	4	117	4	104	(112)	114
DE-2-221-75-2020	DE-2-221	1	109		108		116		113		89	106	108
DE-2-221-80-2020	DE-2-221	1	118		108		120		118		109	114	116
DE-2-221-83-2020	DE-2-221	1	119		110		122		119		103	116*	116
DE-2-221-84-2020	DE-2-221	1	117		108		123		120		103	111	115
DE-2-221-90-2020-K	DE-2-221	1	113		113		112		112		108	108	113
DE-2-221-87-2020	DE-2-221	3	115		110		118		115		103	112	113
DE-2-221-86-2020	DE-7-175	1	115		106		119		117		103	112	113

Only one Varroa trait was recorded