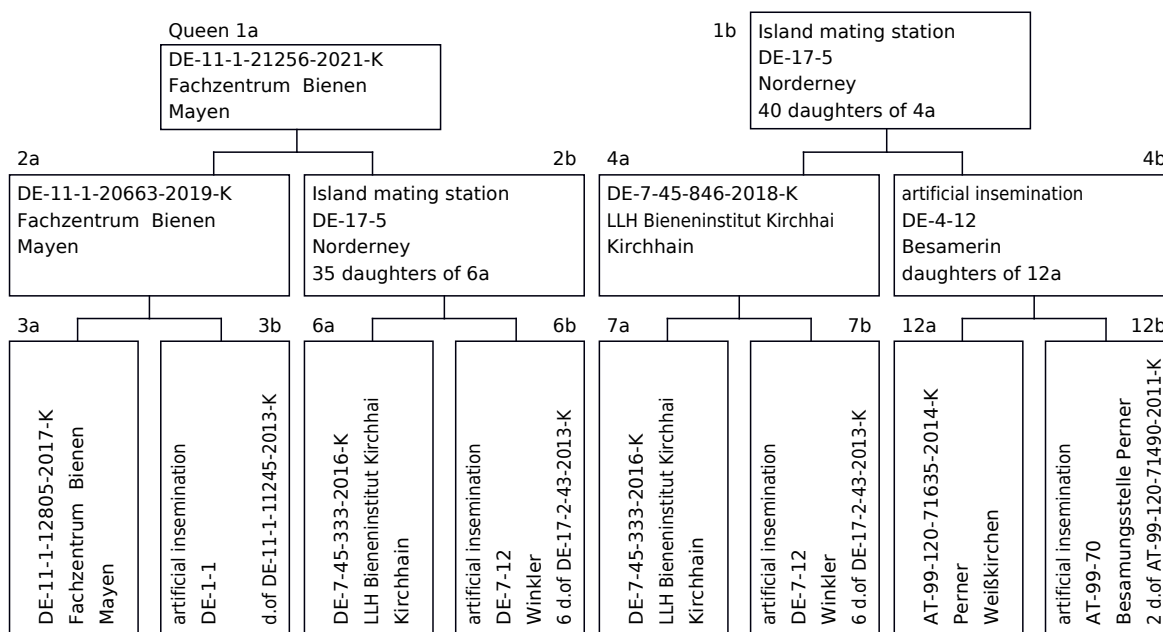


Tester of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1, Apiary 4  
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1  
**1a** Studbook number: **DE-11-1-21256-2021-K**

Race line: Sign: white 56 Daughters of Queen: 1.7%  
 Generation: Hatch date: Workers: 6.5%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 557			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	21.5	52.9	10	11	40.6
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	117	[Bar chart]		
Honey yield	-	113	[Bar chart]		
Defensive behavior	4	117	[Bar chart]		
Steadiness on comb	3.50	115	[Bar chart]		
Swarming drive	4	109	[Bar chart]		
Varroa	-	112	[Bar chart]		
Performance index	-	115	[Bar chart]		
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 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-11-1-21256-2021-K

## Page 2

### 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-11-1-21255-2021	DE-11-1	4	116	44.8	118	4	118	3.9	118	4	118	106	119
DE-11-1-21256-2021-K	DE-11-1	4	117	21.5	113	4	117	3.5	115	4	109	112	115
DE-11-1-21258-2021-K	DE-11-1	4	119	44.4	118	4	119	3.9	118	4	111	112	119
DE-11-1-21248-2021	DE-11-1	15	118	35.5	119	4	118	4	116	4	111	111	118
DE-11-1-21262-2021	DE-11-1	15	113	32.5	118	4	118	4	116	4	111	102	118
DE-11-1-21226-2021	DE-11-1	19	116	14.7	118	4	119	3.8	118	4	111	107*	119
DE-11-1-21225-2021	DE-11-1	21	114	39	119	3	114	4	115	4	112	105	117
DE-11-1-21246-2021	DE-11-1	21	115	32	114	3.5	116	3.5	113	4	111	107	116
DE-11-1-21254-2021	DE-11-1	21	116	44	121	3.5	115	3.5	112	4	111	108	117
DE-11-1-21244-2021-K	DE-11-1	24	118	60	116	2.4	118	2.3	116	4	112	112	118
DE-11-1-21245-2021-K	DE-11-1	24	118	75	120	2.4	119	2.6	118	4	112	108	120
DE-11-1-21250-2021	DE-11-1	24	113	75	119	2.3	118	2.4	116	4	112	101	119
DE-11-1-21259-2021	DE-11-1	27	117	47	117	4	118	3.2	114	4	113	110	118
DE-11-1-21260-2021	DE-11-1	27	113	32	114	3.7	116	3.3	115	3.5	110	105	116
DE-11-1-21261-2021	DE-11-1	27	107	29	110	3.3	112	3.3	112	1	95	101	109
DE-11-1-21241-2021**	DE-11-138	1	115		(117)		(117)		(115)		(110)	(107)	117
DE-11-1-21243-2021-K	DE-11-138	1	116		120		117		115		108	109	117

Only one Varroa trait was recorded

Colony without performance tests