

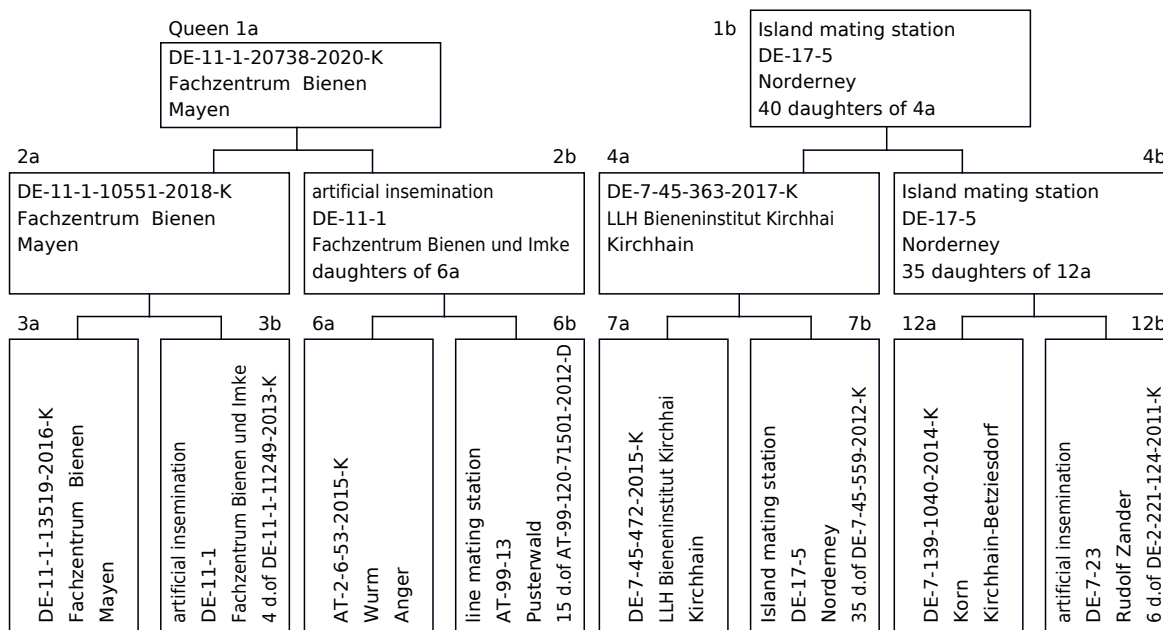
Tester of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1, Apiary 10  
 Breeder of the queen: Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1  
**1a** Studbook number: **DE-11-1-20738-2020-K**

Race line: -72  
 Generation: 15

Sign: blue 38  
 Hatch date: 7.7.2020

Daughters of  
 Queen: 4.6%  
 Workers: 2.0%

### A. Pedigree



### B. Own performance

Performance test year	No. of the colony 431			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	69.7	96.8	12	16	72.0
	Assessment*	Breeding values			Reliability
<b>Total breeding value<sup>1</sup></b>	-	119			
Honey yield	-	104			0.47
Defensive behavior	4	112			0.56
Steadiness on comb	3.30	104			0.55
Swarming drive	4	113			0.46
Varroa	-	123			0.53
Performance index	-	110			0.47
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-11-1-20738-2020-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 28

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-11-1-20713-2020-K	DE-11-1	10	119	67	104	4	109	3.8	109	4	113	121	112
DE-11-1-20714-2020-K	DE-11-1	10	120	81	108	3.9	114	3.9	109	4	115	120	113
DE-11-1-20734-2020	DE-11-1	10	114	75.8	105	3	102	3	97	4	111	121	104
DE-11-1-20738-2020-K	DE-11-1	10	119	69.7	104	4	112	3.3	104	4	113	123	110
DE-11-1-20739-2020-K	DE-11-1	10	120	80.9	107	4	113	3.5	105	4	114	124	112
DE-11-1-20760-2020	DE-11-1	10	117	77	105	3.7	107	2.8	98	4	112	126	106
DE-11-1-20761-2020-K	DE-11-1	10	117	82.5	108	3.8	112	3.6	106	4	114	117	111
DE-11-1-20708-2020	DE-11-1	16	116	5	101	2.4	105	2.2	98	4	111	124	104
DE-11-1-20723-2020	DE-11-1	16	120	17	106	2.9	110	2.6	103	4	113	126	110
DE-11-1-20730-2020	DE-11-1	16	116	1.5	100	2.6	108	2.5	102	4	112	122	106
DE-11-1-20729-2020	DE-11-1	19	113		(105)	3.7	107	3.3	100	4	113	115	107
DE-11-1-20744-2020	DE-11-1	19	119	1.6	102	3.7	109	3.8	105	4	114	124	109
DE-11-1-20745-2020	DE-11-1	19	116	23.6	108	3.7	105	3.2	98	3.4	109	124	106
DE-11-1-20746-2020	DE-11-1	19	116	7.2	103	4	110	3.3	102	4	114	121	108
DE-11-1-20720-2020	DE-11-1	21	119	26	106	3.6	108	4	104	4	117	123	110
DE-11-1-20721-2020	DE-11-1	21	119	21	103	4	111	4	106	3	111	125	109
DE-11-1-20743-2020	DE-11-1	21	114	7	99	4	107	3	97	4	116	119	105
DE-11-1-20758-2020	DE-11-1	21	122	42	110	3.5	106	4	103	3	111	131	108
DE-11-1-20719-2020	DE-11-1	27	118	8	105	4	109	3	101	4	113	124*	108
DE-11-1-20736-2020	DE-11-1	27	122	10	108	4	114	4	111	4	116	123*	114
DE-11-1-20710-2020	DE-11-139	8	115		104		109		105		117	116	110
DE-11-1-20716-2020	DE-11-171	1	119		107		113		107		114	122	112
DE-11-1-20728-2020	DE-11-171	1	114		104		104		96		112	122	104
DE-11-1-20732-2020	DE-11-171	1	122		107		119		114		116	121	116
DE-11-1-20740-2020	DE-11-171	1	120		109		113		107		114	121	113
DE-11-1-20741-2020	DE-11-171	1	118		107		108		101		113	123	109
DE-11-1-20751-2020	DE-11-171	1	115		108		101		100		108	122	105
DE-11-1-20762-2020	DE-11-171	1	118		110		107		103		113	123	109

Only one Varroa trait was recorded