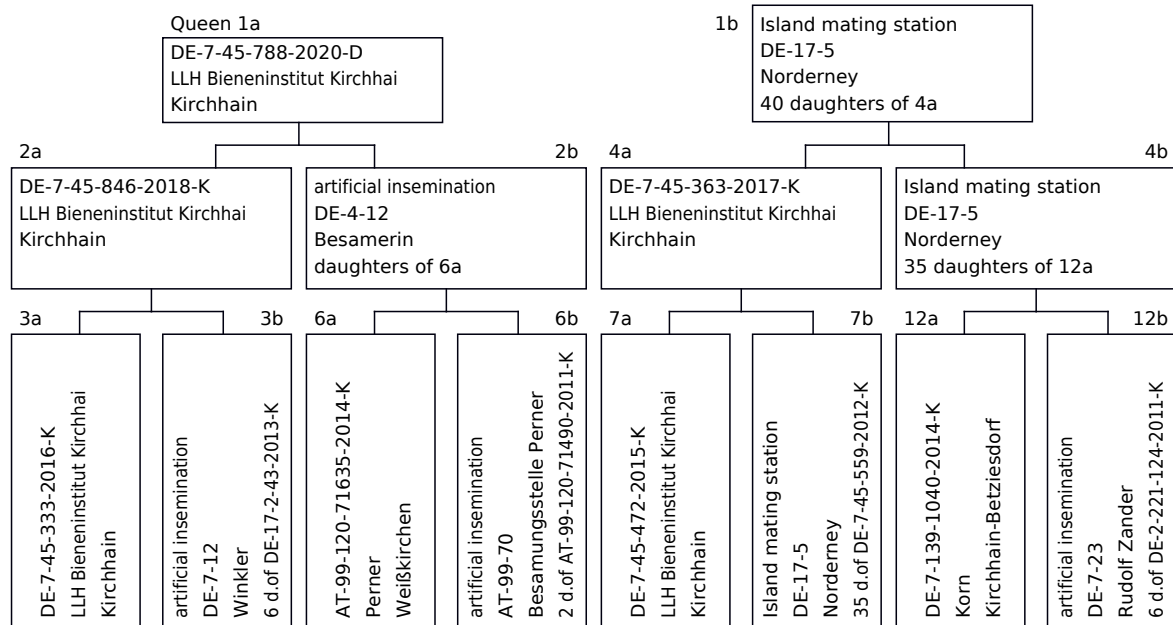


Tester of the queen: Ottersbach, Detlef, 26532 Großheide, DE-17-69, Apiary 1
 Breeder of the queen: LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45
1a Studbook number: **DE-7-45-788-2020-D**

Race line: -30 Sign: blue 91 Daughters of Queen: 0.5%
 Generation: 3 Hatch date: 30.05.2020 Workers: 3.7%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 377			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
				0	
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	116			
Honey yield	-	(111)			0.47
Defensive behavior	3.80	115			0.57
Steadiness on comb	3.90	113			0.57
Swarming drive	4	110			0.49
Varroa	-	112			0.54
Performance index	-	114			0.47
Robustness in winter	3.80		70%	100%	170%
Development in Spring	3.80				
Colony strength	3.80				

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 D

Suitable for use as a drone colony at mating stations.

Breeding selection report DE-7-45-788-2020-D

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Performance of the sisters

Amount of checked sisters: 54

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-7-45-620-2020	AT-99-781	1	118		111		111		111		111	(116)	115
DE-7-45-653-2020**K	DE-2-636	1	115		(110)		(112)		(111)		(109)	(113)	112
DE-15-197-100-2020-K	DE-15-69	2	122		115		121		120		113	117	120
DE-7-45-753-2020-D	DE-17-69	1	118		(111)	3.9	115	3.8	112	4	110	116	114
DE-7-45-754-2020-D	DE-17-69	1	118		(111)	3.8	115	3.9	113	4	110	116	114
DE-7-45-755-2020-D	DE-17-69	1	116		(110)	3.6	112	3.7	110	4	109	116	112
DE-7-45-756-2020-D	DE-17-69	1	117		(110)	3.8	114	3.7	111	4	110	116	113
DE-7-45-757-2020-D	DE-17-69	1	117		(110)	3.6	112	3.7	110	4	109	117	112
DE-7-45-758-2020-D	DE-17-69	1	117		(110)	3.8	114	3.8	112	4	110	115	113
DE-7-45-760-2020-D	DE-17-69	1	118		(110)	3.8	114	3.8	112	4	110	116	113
DE-7-45-761-2020-D	DE-17-69	1	117		(110)	3.8	114	3.7	111	4	110	115	113
DE-7-45-762-2020-D	DE-17-69	1	117		(111)	3.8	115	3.9	113	4	110	115	114
DE-7-45-763-2020-D	DE-17-69	1	117		(110)	3.8	114	3.8	112	4	110	115	113
DE-7-45-764-2020-D	DE-17-69	1	118		(110)	3.8	114	3.7	111	4	110	117	113
DE-7-45-765-2020-D	DE-17-69	1	117		(110)	3.8	114	3.7	111	4	110	115	113
DE-7-45-766-2020-D	DE-17-69	1	117		(110)	3.8	114	3.8	112	4	110	115	113
DE-7-45-767-2020-D	DE-17-69	1	118		(110)	3.8	114	3.8	112	4	110	117	113
DE-7-45-769-2020-D	DE-17-69	1	119		(111)	3.8	115	3.9	113	4	110	119	114
DE-7-45-770-2020-D	DE-17-69	1	119		(110)	3.8	114	3.8	112	4	110	120	113
DE-7-45-772-2020-D	DE-17-69	1	119		(111)	3.8	115	3.9	113	4	110	118	114
DE-7-45-773-2020-D	DE-17-69	1	118		(111)	3.8	115	3.9	113	4	110	117	114
DE-7-45-774-2020	DE-17-69	1	118		(110)	3.8	114	3.8	112	4	110	117	113
DE-7-45-776-2020-D	DE-17-69	1	117		(110)	3.8	114	3.8	112	4	110	115	113
DE-7-45-777-2020-D	DE-17-69	1	118		(111)	3.9	115	3.8	112	4	110	116	114
DE-7-45-778-2020-D	DE-17-69	1	116		(111)	3.9	115	3.9	113	4	110	112	114
DE-7-45-779-2020-D	DE-17-69	1	117		(111)	3.9	115	3.8	112	4	110	114	114
DE-7-45-780-2020-D	DE-17-69	1	119		(111)	3.9	115	3.9	113	4	110	117	114
DE-7-45-781-2020-D	DE-17-69	1	118		(111)	3.9	115	3.8	112	4	110	116	114
DE-7-45-782-2020-D	DE-17-69	1	118		(111)	3.9	115	3.9	113	4	110	117	114
DE-7-45-783-2020-D	DE-17-69	1	117		(111)	3.8	115	3.9	113	4	110	114	114
DE-7-45-784-2020-D	DE-17-69	1	118		(111)	3.9	115	3.9	113	4	110	116	114
DE-7-45-787-2020-D	DE-17-69	1	118		(111)	3.9	115	3.8	112	4	110	116	114
DE-7-45-788-2020-D	DE-17-69	1	116		(111)	3.8	115	3.9	113	4	110	112	114
DE-7-45-790-2020-D	DE-17-69	1	118		(111)	3.8	115	3.9	113	4	110	117	114
DE-7-45-791-2020-D	DE-17-69	1	115		(111)	3.8	115	3.9	113	4	110	111	114
DE-7-45-792-2020-D	DE-17-69	1	115		(111)	3.9	115	3.8	112	4	110	111	114
DE-7-45-793-2020-D	DE-17-69	1	118		(111)	3.9	115	3.9	113	4	110	116	114
DE-7-45-794-2020-D	DE-17-69	1	118		(110)	3.8	114	3.8	112	4	110	118	113
DE-7-45-796-2020-D	DE-17-69	1	118		(111)	3.9	115	3.9	113	4	110	115	114
DE-7-45-797-2020-D	DE-17-69	1	117		(110)	3.8	114	3.8	112	4	110	116	113
DE-7-45-953-2020-D	DE-17-69	1	118		(110)	3.8	114	3.8	112	4	110	117	113
DE-7-45-955-2020-D	DE-17-69	1	117		(111)	3.9	115	3.9	113	4	110	114	114
DE-7-45-956-2020-D	DE-17-69	1	118		(111)	3.9	115	3.8	112	4	110	117	114
DE-7-45-957-2020-D	DE-17-69	1	117		(111)	3.9	115	3.8	112	4	110	114	114
DE-7-45-960-2020-D	DE-17-69	1	117		(111)	3.8	115	3.9	113	4	110	115	114
DE-7-45-965-2020-D	DE-17-69	1	118		(111)	3.8	115	3.9	113	4	110	116	114
DE-7-45-998-2020-D	DE-17-69	2	118		(110)	3.8	114	3.9	112	4	110	117	113
DE-7-45-958-2020-D	DE-17-69	2	118		(110)	3.8	114	3.9	112	4	110	117	113
DE-7-45-959-2020-D	DE-17-69	2	116		(110)	3.8	114	3.9	112	4	110	113	113
DE-7-45-961-2020-D	DE-17-69	2	118		(110)	3.8	114	3.9	112	4	110	118	113
DE-7-45-963-2020-D	DE-17-69	2	117		(111)	3.9	115	3.9	113	4	110	115	114
DE-7-45-966-2020-D	DE-17-69	2	118		(110)	3.8	114	3.9	112	4	110	116	113

DE-7-45-967-2020-D	DE-17-69	2	117		(110)	3.8	114	3.9	112	4	110	115	113
UA-2-52-68-2020	UA-2-52	1	117		110		114		112		110	(116)	113

Colony without performance tests