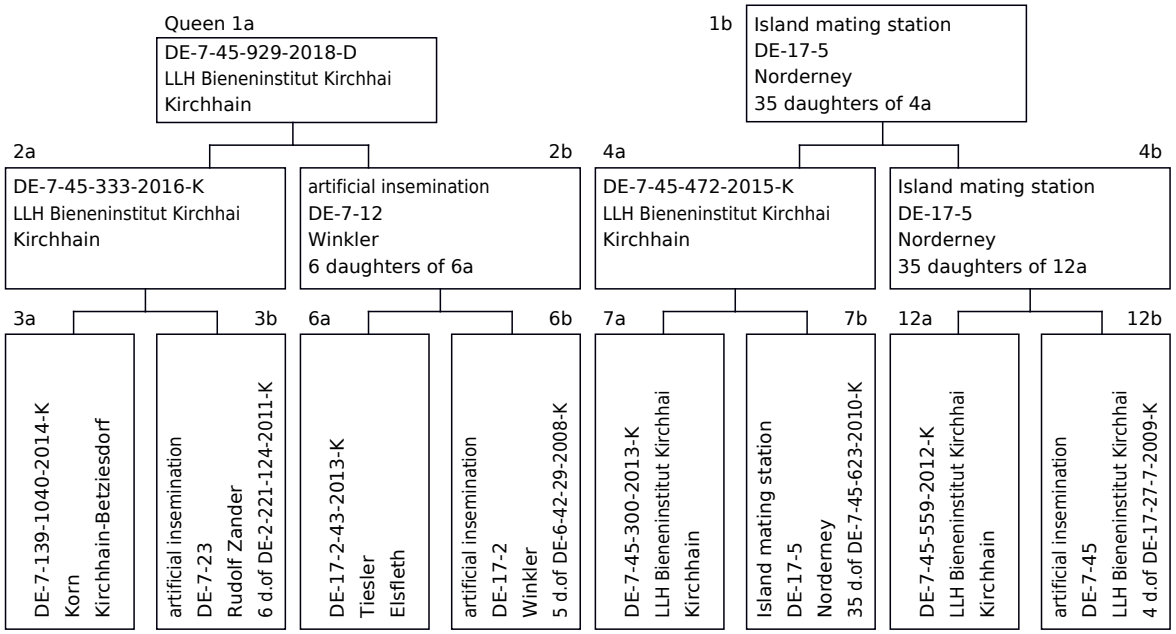
DEUTSCHER IMKERBUND E.V.

Breeding selection report
DE-7-45-929-2018-D

LANDESVERBAND DER IMKER WESER-EMS e.V.

Tester of the queen:	Ottersbach, Detlef, 26532 Großheide, DE-17-69, Apiary 2	
Breeder of the queen:	LLH Bieneninstitut Kirchhain, 35274 Kirchhain, DE-7-45	
1a Studbook number:	**DE-7-45-929-2018-D**	
		Daughters of
Race line: -70	Sign: red 82	Queen: 0.9%
Generation: 0	Hatch date: 07.06.2018	Workers: 2.7%

A. Pedigree



B. Own performance

	No. of the colony 375			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year				0	

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	112	
Honey yield	-	(106)	0.37
Defensive behavior	3.80	116	0.54
Steadiness on comb	3.70	110	0.54
Swarming drive	4	116	0.36
Varroa	-	103	0.28
Performance index	-	114	0.48
Robustness in winter	3.60		
Development in Spring	3.50		
Colony strength	3.60		

70% 100% 170%

[1]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 D
Suitable for use as a drone colony at mating stations.

12.12.2019

For the correctness DE-17

Breeding selection report DE-7-45-929-2018-D

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Performance of the sisters

Amount of checked sisters: 55

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 during inspection	Swarming drive	Breeding Value Swarming drive	Varroa-index	Performance ndex
DE-7-45-295-2018	DE-7-45	1	110		106		109		109		116	103	111
DE-7-45-297-2018	DE-7-45	3	111		106		118		112		115	101	115
DE-7-45-293-2018	DE-7-45	4	112		107		115		107		118	104	114
DE-7-45-309-2018**	DE-7-140	1	112		(106)		(116)		(110)		(116)	(103)	114
DE-7-45-296-2018	DE-7-175	1	110		100		(115)		(108)		(115)	(103)	111
DE-7-45-304-2018	DE-7-176	1	111		104		115		108		115	104	112
DE-7-176-35-2018	DE-7-176	1	115		111		118		112		117	104	117
DE-7-45-313-2018	DE-7-177	1	115		110		121		116		118	102*	119
DE-7-45-306-2018	DE-7-322	1	115		108		116		111		119	106	116
DE-7-45-302-2018	DE-13-477	1	110		104		113		107		118	101	113
DE-7-45-890-2018	DE-17-69	1	112		(105)	3.8	116	3.6	109	4	116	103	114
DE-7-45-891-2018	DE-17-69	1	111		(105)	3.7	115	3.6	109	4	116	103	113
DE-7-45-894-2018	DE-17-69	1	113		(106)	3.7	116	3.8	111	4	116	104	114
DE-7-45-895-2018	DE-17-69	1	112		(106)	3.8	116	3.7	110	4	116	103	114
DE-7-45-896-2018	DE-17-69	1	113		(106)	3.7	116	3.8	111	4	116	105	114
DE-7-45-897-2018	DE-17-69	1	112		(106)	3.8	116	3.7	110	4	116	103	114
DE-7-45-899-2018-D	DE-17-69	2	112		(106)	3.7	116	3.8	110	4	116	103	114
DE-7-45-900-2018-D	DE-17-69	2	112		(106)	3.8	116	3.7	110	4	116	103	114
DE-7-45-902-2018-D	DE-17-69	2	112		(106)	3.7	115	3.7	109	4	116	103	114
DE-7-45-904-2018-D	DE-17-69	2	112		(106)	3.7	116	3.8	110	4	116	103	114
DE-7-45-905-2018-D	DE-17-69	2	113		(106)	3.8	116	3.7	110	4	116	105	114
DE-7-45-906-2018-D	DE-17-69	2	112		(106)	3.8	116	3.7	110	4	116	103	114
DE-7-45-908-2018-D	DE-17-69	2	112		(106)	3.8	117	3.8	111	4	116	103	115
DE-7-45-910-2018-D	DE-17-69	2	112		(106)	3.8	116	3.7	110	4	116	103	114
DE-7-45-911-2018-D	DE-17-69	2	114		(106)	3.8	117	3.8	111	4	116	105	115
DE-7-45-912-2018-D	DE-17-69	2	114		(106)	3.8	117	3.8	111	4	116	106	115
DE-7-45-913-2018-D	DE-17-69	2	112		(105)	3.7	115	3.6	108	4	116	105	113
DE-7-45-914-2018-D	DE-17-69	2	113		(106)	3.8	116	3.7	110	4	116	104	114
DE-7-45-916-2018-K	DE-17-69	2	112		(106)	3.7	115	3.7	109	4	116	104	114
DE-7-45-917-2018-D	DE-17-69	2	113		(106)	3.8	117	3.8	111	4	116	103	115
DE-7-45-918-2018-D	DE-17-69	2	113		(106)	3.8	116	3.7	110	4	116	105	114
DE-7-45-919-2018-D	DE-17-69	2	112		(106)	3.8	117	3.8	111	4	116	102	115
DE-7-45-920-2018-D	DE-17-69	2	112		(106)	3.7	116	3.8	110	4	116	102	114
DE-7-45-921-2018-D	DE-17-69	2	112		(106)	3.8	116	3.7	110	4	116	103	114
DE-7-45-922-2018-D	DE-17-69	2	113		(106)	3.8	117	3.8	111	4	116	103	115
DE-7-45-923-2018-D	DE-17-69	2	113		(106)	3.7	116	3.8	110	4	116	104	114
DE-7-45-924-2018-D	DE-17-69	2	112		(106)	3.8	117	3.8	111	4	116	102	115
DE-7-45-926-2018-D	DE-17-69	2	112		(106)	3.7	115	3.7	109	4	116	103	114
DE-7-45-927-2018-D	DE-17-69	2	112		(105)	3.7	115	3.6	108	4	116	104	113
DE-7-45-929-2018-D	DE-17-69	2	112		(106)	3.8	116	3.7	110	4	116	103	114
DE-7-45-930-2018-D	DE-17-69	2	112		(106)	3.7	115	3.7	109	4	116	104	114
DE-7-45-931-2018-D	DE-17-69	2	111		(106)	3.8	117	3.8	111	4	116	101	115
DE-7-45-933-2018-D	DE-17-69	2	110		(105)	3.7	115	3.6	108	4	116	101	113
DE-7-45-935-2018-D	DE-17-69	2	112		(106)	3.8	117	3.8	111	4	116	103	115
DE-7-45-938-2018-D	DE-17-69	2	112		(106)	3.8	117	3.8	111	4	116	102	115
DE-7-45-939-2018-D	DE-17-69	2	112		(105)	3.7	115	3.6	108	4	116	104	113
DE-7-45-940-2018-D	DE-17-69	2	111		(106)	3.7	115	3.7	109	4	116	102	114
DE-7-45-941-2018-D	DE-17-69	2	112		(106)	3.8	116	3.7	110	4	116	103	114
DE-7-45-942-2018-D	DE-17-69	2	113		(106)	3.8	117	3.8	111	4	116	104	115
DE-7-45-943-2018-D	DE-17-69	2	113		(106)	3.8	116	3.7	110	4	116	104	114
DE-7-45-944-2018-D	DE-17-69	2	111		(106)	3.8	116	3.7	110	4	116	102	114
DE-7-45-949-2018	DE-17-69	3	113		(106)	3.8	116	3.7	110	4	116	104	114

DE-7-45-951-2018	DE-17-69	3	111		(106)	3.8	117	3.8	111	4	116	101	115
DE-7-45-953-2018	DE-17-69	3	113		(106)	3.8	116	3.7	110	4	116	104	114
DE-7-45-955-2018	DE-17-69	3	112		(105)	3.8	115	3.6	109	4	116	104	113

Only one Varroa trait was recorded

Colony without performance tests