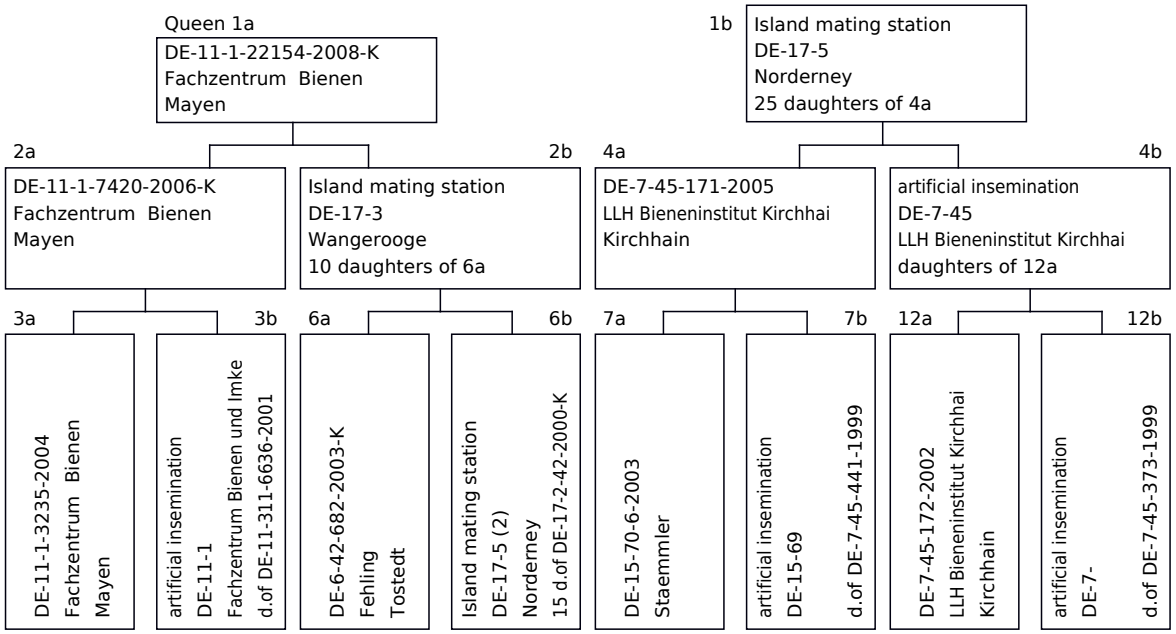
DEUTSCHER IMKERBUND E.V.

Breeding selection report
DE-11-1-22154-2008-K

IMKERVERBAND RHEINLAND E.V.

Tester of the queen:	Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1, Apiary 2	
Breeder of the queen:	Fachzentrum Bienen, Mayen, 56727 Mayen, DE-11-1	
1a Studbook number:	**DE-11-1-22154-2008-K**	
		Daughters of
Race line: -0	Sign: red 54	Queen: 2.0%
Generation: 11	Hatch date: 17.06.2008	Workers: 0.8%

A. Pedigree



B. Own performance

	No. of the colony 20			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	46.2	112.8	5	10	40.9

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	86	
Honey yield	-	86	0.69
Defensive behavior	4	96	0.78
Steadiness on comb	3.70	92	0.77
Swarming drive	4	92	0.7
Varroa	-	84	0.74
Performance index	-	90	0.69
Robustness in winter			
Development in Spring			
Colony strength			

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 Av
Selected for Varroa tolerance. Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations.

For the correctness DE-11

Breeding selection report DE-11-1-22154-2008-K

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Performance of the sisters

Amount of checked sisters: 19

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	Swarming drive	Breeding Value Swarming drive	Varroa-index	Performance ndex
DE-11-1-22047-2008	DE-11-1	2	90	22.3	88	4	94	3.2	94	4	97	87	93
DE-11-1-22154-2008-K	DE-11-1	2	86	46.2	86	4	96	3.7	92	4	92	84	90
DE-11-1-21943-2008	DE-11-19	19	90		88		96		94		97	87	93
DE-11-1-22139-2008	DE-11-19	19	89		90		92		89		100	87	91
DE-11-1-21847-2008	DE-11-113	1	92		88		98		96		98	90	94
DE-11-1-22152-2008	DE-11-113	1	92		90		97		95		99	90	94
DE-11-1-22153-2008	DE-11-113	1	91		87		98		97		96	88	93
DE-11-137-4-2008	DE-11-137	1	92		90		98		98		99	87*	96
DE-11-137-5-2008-K	DE-11-137	1	88		86		91		92		95	89*	89
DE-11-137-6-2008-K	DE-11-137	1	89		81		100		97		93	87*	91
DE-11-1-2832-2008	DE-17-27	3	92		91		101		97		101	86	97
DE-11-1-2834-2008	DE-17-27	3	89		87		95		94		98	86*	92
DE-11-1-2835-2008	DE-17-27	3	90		87		99		96		99	86*	94
DE-11-1-2836-2008	DE-17-27	3	88		86		96		95		88	89*	89
DE-11-1-2837-2008	DE-17-27	3	90		90		90		89		100	90*	91
DE-11-1-2833-2008-K	DE-17-159	7	90		89		100		98		99	85	96
DE-11-1-2838-2008	DE-17-159	7	91		90		95		95		99	89	94
DE-11-1-2839-2008	DE-17-159	7	87		89		91		86		96	86	89
DE-11-1-2842-2008	DE-17-159	7	90		88		96		96		98	87	94

Only one Varroa trait was recorded