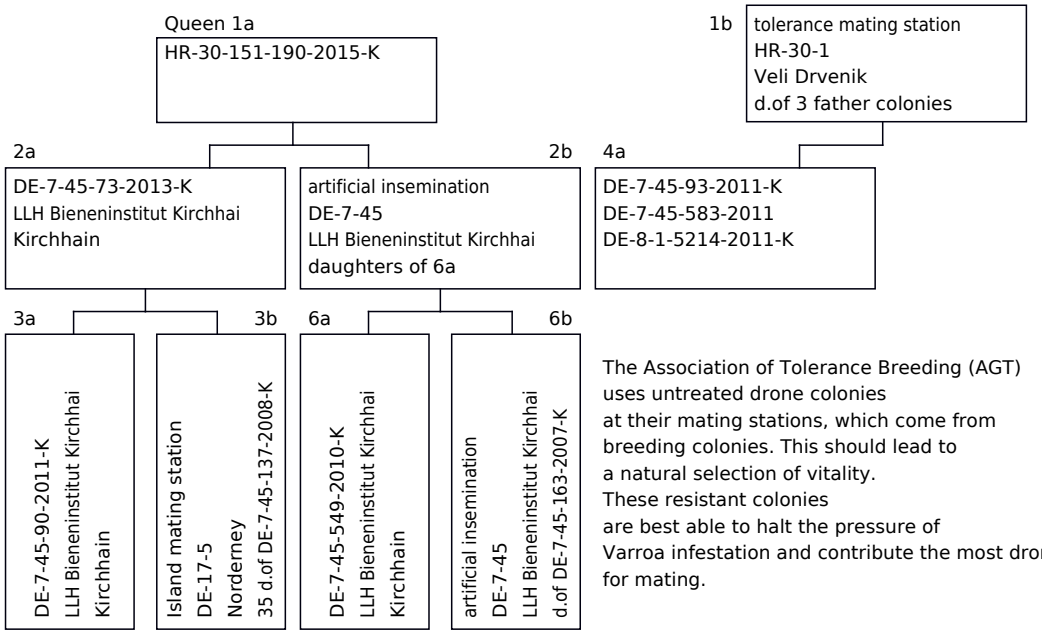
DEUTSCHER IMKERBUND E.V.

Breeding selection report
HR-30-151-190-2015-K

Tester of the queen:	Hohmuth, Andreas, 08412 Werdau, DE-13-377, Apiary 1	
Breeder of the queen:	HR-30-151	
1a Studbook number:	**HR-30-151-190-2015-K**	
		Daughters of
Race line:	Sign: blue 81	Queen: 5.5%
Generation:	Hatch date:	Workers: 0.0%

A. Pedigree



The Association of Tolerance Breeding (AGT) uses untreated drone colonies at their mating stations, which come from breeding colonies. This should lead to a natural selection of vitality. These resistant colonies are best able to halt the pressure of Varroa infestation and contribute the most drones for mating.

B. Own performance

	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
Performance test year	86.6	129.5	2	19	66.9

	Assessment*	Breeding values	Reliability
Total breeding value[1]	-	119	
Honey yield	-	121	0.39
Defensive behavior	4	116	0.6
Steadiness on comb	4	117	0.63
Swarming drive	4	119	0.4
Varroa	-	109	0.5
Performance index	-	0	
Robustness in winter	4		
Development in Spring	4		
Colony strength	4		

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.

19.02.2017

For the correctness DE-13

Breeding selection report HR-30-151-190-2015-K

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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 during inspection	Swarming drive	Breeding Value Swarming drive	Varroa-index	Performance ndex
AT-99-364-1101-2015	AT-99-364	1	104		102		99		99		96	116	
AT-99-364-1102-2015	AT-99-364	1	107		107		99		99		101	111	
AT-99-364-1103-2015	AT-99-364	1	95		82		97		96		94	101	
AT-99-364-1104-2015	AT-99-364	1	108		116		100		100		105	108	
AT-99-364-1105-2015	AT-99-364	1	95		110		93		95		106	90	
AT-99-364-1106-2015	AT-99-364	1	97		105		99		101		106	89	
AT-99-364-1107-2015	AT-99-364	1	96		102		99		100		103	91	
AT-99-364-1108-2015	AT-99-364	1	105		107		99		99		102	106	
AT-99-364-1109-2015	AT-99-364	1	108		120		101		101		107	105	
AT-99-364-1110-2015	AT-99-364	1	104		110		100		100		104	102	
AT-99-364-1111-2015	AT-99-364	1	98		86		97		96		95	105	
AT-99-364-1112-2015	AT-99-364	1	105		108		99		99		102	107	
AT-99-364-1113-2015	AT-99-364	1	96		102		92		93		101	97	
AT-99-364-1114-2015	AT-99-364	1	52		70		44		45		52	78	
AT-99-364-1115-2015	AT-99-364	1	85		76		96		98		98	82	
AT-99-364-1116-2015	AT-99-364	1	107		101		99		97		97	116	
AT-99-364-1117-2015	AT-99-364	1	105		93		98		96		94	117	
HR-30-151-110-2015	AT-99-697	2	114		116		111		111		111	109	
HR-30-151-299-2015	AT-99-697	2	92		91		83		82		93	104	
HR-30-151-166-2015	DE-2-176	4	94		96		92		92		88	99	
HR-30-151-218-2015	DE-2-176	4	87		93		91		93		104	82	
HR-30-151-219-2015	DE-2-176	4	81		87		86		88		100	77	
HR-30-151-221-2015	DE-2-176	4	93		92		96		97		104	90	
HR-30-151-222-2015	DE-2-176	4	73		85		77		79		78	78	
HR-30-151-288-2015	DE-2-240	4	101		104		92		92		93	108	
HR-30-151-292-2015	DE-2-240	4	103		109		93		92		110	104	
HR-30-151-190-2015-K	DE-13-377	1	119	86.6	121	4	116	4	117	4	119	109	
HR-30-151-210-2015	DE-13-377	1	104	79.3	109	3.5	96	3.6	96	4	107	106	