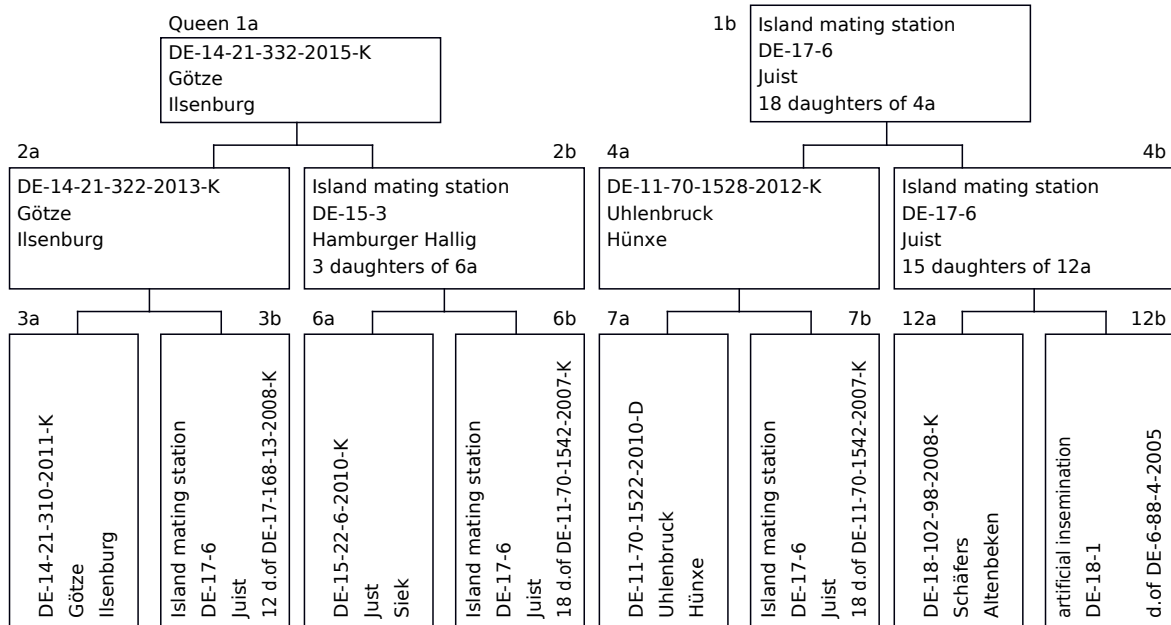


Tester of the queen: Götze, Wilfried, 38871 Ilsenburg, DE-14-21, Apiary 1
 Breeder of the queen: Götze, Wilfried, 38871 Ilsenburg, DE-14-21
1a Studbook number: **DE-14-21-332-2015-K**

Race line: -13 Sign: blue 32 Daughters of Queen: 0.7%
 Generation: 4 Hatch date: 05.06.2015 Workers: 2.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony PL23			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	67.5	139.5	1	15	48.4
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	112			
Honey yield	-	122			0.41
Defensive behavior	3.60	108			0.62
Steadiness on comb	3.60	109			0.65
Swarming drive	3.70	103			0.41
Varroa	-	108			0.51
Performance index	-	0			
Robustness in winter	4		70%	100%	170%
Development in Spring	3.90				
Colony strength	3.90				

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 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-14-21-332-2015-K

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Performance of the sisters

Amount of checked sisters: 15

Studbook number	Tester of the queen	Apiary	Total breeding value	Yield kg	Breeding Value Honey	Defensive behavior	Breeding Value Defensive	Calmness during inspection	Breeding Value Calmness	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-14-21-327-2015	DE-14-21	1	83	24.5	84	3	Behavior	3.5	109	3	109	87	
DE-14-21-329-2015	DE-14-21	1	93	60.7	111	3	91	3.2	92	1	78	97	
DE-14-21-331-2015	DE-14-21	1	106	61.3	116	3.5	104	3.5	104	3.8	102	103	
DE-14-21-332-2015-K	DE-14-21	1	112	67.5	122	3.6	108	3.6	109	3.7	103	108	
DE-14-21-333-2015	DE-14-21	1	92	33.9	94	3.5	100	3.4	101	3.8	98	86	
DE-14-21-334-2015-K	DE-14-21	1	116	65.4	121	3.7	113	3.7	113	3.9	108	110	
DE-14-21-337-2015	DE-14-21	1	83	34.3	91	3	86	3	88	3.8	91	84	
DE-15-53-35-2015	DE-15-53	1	96		105		101		102		84	96	
DE-15-53-36-2015	DE-15-53	1	94		100		98		98		97	92	
DE-15-53-38-2015	DE-15-53	1	96		105		99		100		89	94	
DE-15-53-42-2015-K	DE-15-53	1	117		121		117		117		114	108	
DE-14-21-343-2015	DE-18-102	1	103		108		97		97		100	105	
DE-14-21-345-2015	DE-18-102	1	94		107		101		103		104	83	
DE-14-21-346-2015	DE-18-502	1	98		113		98		99		86	(98)	
DE-14-21-347-2015	DE-18-502	1	98		106		97		97		102	(96)	