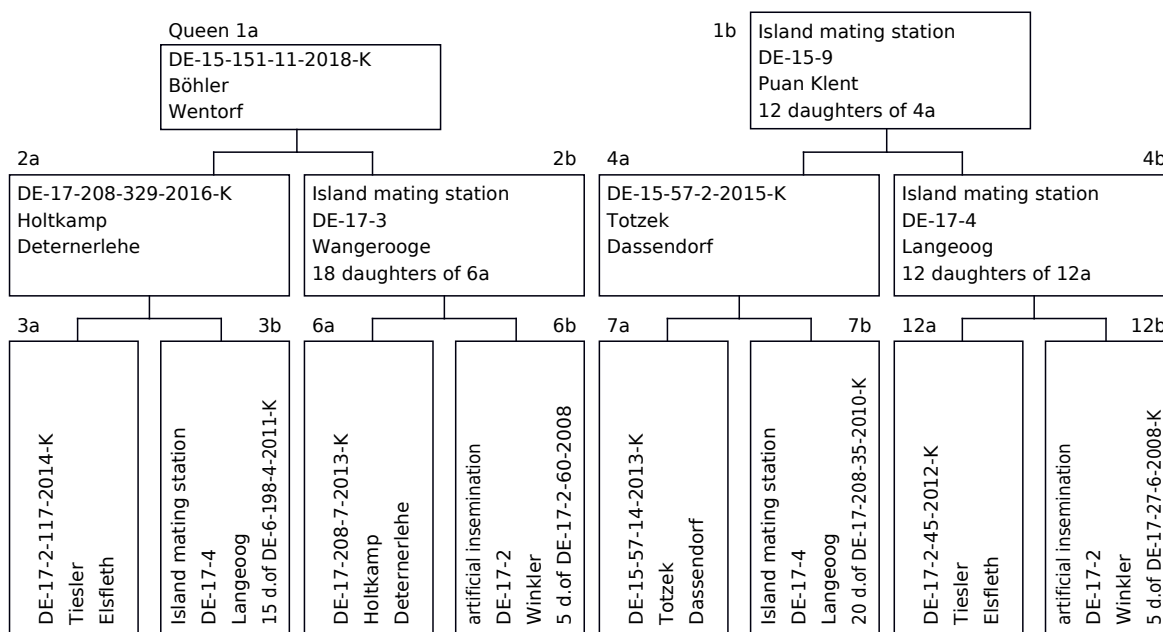


Tester of the queen: Böhler, Eugen, 21465 Wentorf, DE-15-151, Apiary 1
 Breeder of the queen: Böhler, Eugen, 21465 Wentorf, DE-15-151
1a Studbook number: **DE-15-151-11-2018-K**

Race line: Sign: red 29 Daughters of Queen: 1.5%
 Generation: Hatch date: 07.06.2018 Workers: 4.6%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	55	143	1	11	38.5
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	115			
Honey yield	-	111			0.36
Defensive behavior	3.75	114			0.48
Steadiness on comb	3.75	113			0.48
Swarming drive	3.83	113			0.36
Varroa	-	108			0.25
Performance index	-	111			0.42
Robustness in winter	3.50		70%	100%	170%
Development in Spring	3.50				
Colony strength	3.50				

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-15-151-11-2018-K

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Performance of the sisters

Amount of checked sisters: 35

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 ndex
DE-15-57-1-2018	DE-15-57	1	108		104		Behavior		102		102	106	102
DE-15-57-2-2018	DE-15-57	1	107		103			100	inspection		107	106	100
DE-15-57-3-2018	DE-15-57	1	108		103				102		109	105	102
DE-15-57-4-2018	DE-15-57	1	106		100				105		110	102	102
DE-15-57-5-2018	DE-15-57	1	109		103				106		110	107	104
DE-15-57-6-2018	DE-15-57	1	107		102				106		108	104	103
DE-15-57-7-2018	DE-15-57	1	108		102				105		110	104	103
DE-15-57-8-2018	DE-15-57	1	102		99				102		101	100	98
DE-15-57-9-2018	DE-15-57	1	111		107				105		109	108	105
DE-15-57-10-2018	DE-15-57	1	108		103				103		109	106	102
DE-15-57-11-2018	DE-15-57	1	110		104				106		109	107	104
DE-15-57-12-2018	DE-15-57	1	103		94				101		101	103	96
DE-15-57-13-2018	DE-15-57	1	109		102				106		109	106	104
DE-15-57-14-2018-K	DE-15-57	1	113		109				109		110	110	107
DE-15-114-81-2018-K	DE-15-114	1	108		102				104		108	(105)	102
DE-15-151-1-2018	DE-15-151	1	107	34	100	3	104	3	102	3	108	105	101
DE-15-151-2-2018	DE-15-151	1	109	34	102	3	108	3.7	109	2.5	106	106	104
DE-15-151-3-2018	DE-15-151	1	106	34	100	2.7	101	3	101	2.8	107	104	99
DE-15-151-4-2018	DE-15-151	1	111	45	106	3.5	111	3.5	109	3	109	106	107
DE-15-151-5-2018	DE-15-151	1	104	34	100	2.6	99	2.8	99	2.5	105	103	97
DE-15-151-6-2018	DE-15-151	1	107	35	101	3	105	3.2	104	3	108	104	102
DE-15-151-7-2018	DE-15-151	1	104	29	97	2.7	99	2.6	97	3	108	105	97
DE-15-151-8-2018	DE-15-151	1	111	47	107	3.5	111	3.5	109	3	109	106	107
DE-15-151-9-2018	DE-15-151	1	110	43	105	3.3	107	3.3	106	3	108	106	104
DE-15-151-10-2018	DE-15-151	1	103	33	98	2.5	97	2.5	95	2.7	106	104	96
DE-15-151-11-2018-K	DE-15-151	1	115	55	111	3.8	114	3.8	113	3.8	113	108	111
DE-15-158-2-2018	DE-15-158	1	105		100		101		100		106	104	99
DE-15-158-3-2018	DE-15-158	1	106		99		105		104		108	104	101
DE-15-158-4-2018	DE-15-158	1	108		105		106		105		109	104	104
DE-15-158-6-2018	DE-15-158	1	98		96		89		89		103	102	90
DE-15-158-7-2018	DE-15-158	1	112		107		111		109		110	107	107
DE-15-158-8-2018	DE-15-158	1	110		104		108		107		109	105	105
DE-15-158-9-2018	DE-15-158	1	109		102		107		106		108	106	103
DE-15-158-10-2018	DE-15-158	1	111		105		110		109		110	105	106
DE-15-158-11-2018	DE-15-158	1	112		105		110		109		110	108	106