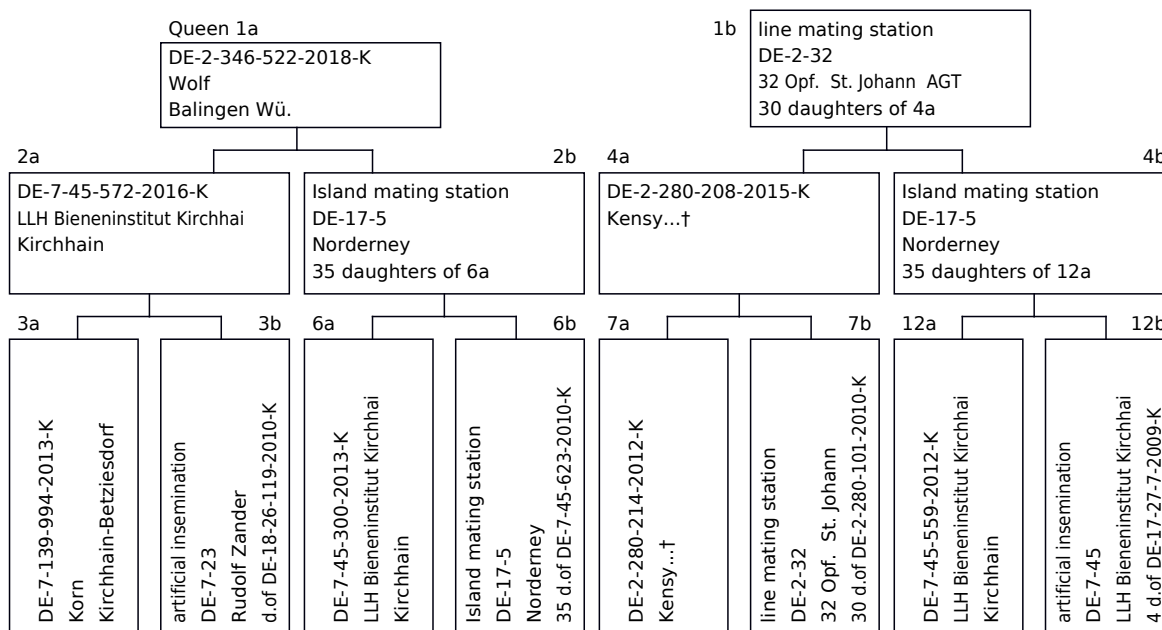


Tester of the queen: Wolf, Christian, 72336 Balingen Wü., DE-2-346, Apiary 1
 Breeder of the queen: Wolf, Christian, 72336 Balingen Wü., DE-2-346
1a Studbook number: **DE-2-346-522-2018-K**

Race line: Sign: red
 Generation: Hatch date: 14.06.2018

Daughters of Queen: 2.2%
 Workers: 1.7%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 22			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	67	110.1	3	7	60.9
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	108			
Honey yield	-	109			0.41
Defensive behavior	3	104			0.5
Steadiness on comb	3.20	104			0.5
Swarming drive	4	111			0.41
Varroa	-	104			0.44
Performance index	-	108			0.41
Robustness in winter	3		70%	100%	170%
Development in Spring	3				
Colony strength	3				

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

none Analysis of race characteristics

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-2-346-522-2018-K

Page 2

Performance of the sisters

Amount of checked sisters: 42

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-2-346-212-2018	AT-99-247	1	109		111		Behavior		109		108	107	
DE-2-346-213-2018	AT-99-247	1	106		111		103	inspection	102		108	101	107
DE-2-256-6-2018	DE-2-256	1	112		110		109		109		110	107	111
DE-2-256-203-2018	DE-2-256	1	110		113		111		110		110	102	113
DE-2-256-204-2018	DE-2-256	1	113		114		111		110		110	108	113
DE-2-256-205-2018	DE-2-256	1	109		111		111		110		110	100	112
DE-2-256-207-2018-K	DE-2-256	1	109		110		111		110		110	101	112
DE-2-256-212-2018	DE-2-256	1	111		111		102		103		109	112	107
DE-2-314-50-2018	DE-2-256	1	112		107		109		106		109	110	109
DE-2-256-63-2018	DE-2-256	2	111		112		109		110		110	105	112
DE-2-256-65-2018-K	DE-2-256	2	107		109		102		103		108	103	106
DE-2-256-98-2018	DE-2-256	2	109		111		111		111		110	100	112
DE-2-256-219-2018	DE-2-256	2	111		105		111		111		109	107	110
DE-2-346-178-2018**	DE-2-313	2	109		(109)		(107)		(106)		(109)	(105)	109
DE-2-346-180-2018	DE-2-313	2	108		106		111		110		108	102	110
DE-2-346-183-2018	DE-2-313	2	110		112		105		105		113	106	110
DE-2-314-201-2018-K	DE-2-314	2	112		110		109		108		109	109	110
DE-2-314-202-2018	DE-2-314	2	105		105		104		104		108	99	106
DE-2-314-203-2018	DE-2-314	2	110		106		107		107		108	107	108
DE-2-314-204-2018	DE-2-314	2	108		108		107		106		109	102	109
DE-2-314-205-2018	DE-2-314	2	108		109		105		105		109	103	108
DE-2-314-206-2018	DE-2-314	2	110		111		105		106		109	106	109
DE-2-314-207-2018**	DE-2-314	2	109		(109)		(107)		(106)		(109)	(105)	109
DE-2-314-208-2018**	DE-2-314	2	109		(109)		(107)		(106)		(109)	(105)	109
DE-2-314-209-2018-K	DE-2-314	2	111		114		109		108		110	106	111
DE-2-314-301-2018	DE-2-314	3	109		109		107		106		109	105*	109
DE-2-314-302-2018**	DE-2-314	3	109		(109)		(107)		(106)		(109)	(105)	109
DE-2-314-303-2018**	DE-2-314	3	109		(109)		(107)		(106)		(109)	(105)	109
DE-2-314-304-2018**	DE-2-314	3	109		(109)		(107)		(106)		(109)	(105)	109
DE-2-346-517-2018-K	DE-2-346	1	104	77	111	3.2	106	3.3	106	3	106	96	108
DE-2-346-520-2018	DE-2-346	1	112	65	110	3.2	107	3.5	107	3	106	110	109
DE-2-346-521-2018	DE-2-346	1	111	85	113	3.1	106	3.5	107	3	107	108	109
DE-2-346-522-2018-K	DE-2-346	1	108	67	109	3	104	3.2	104	4	111	104	108
DE-2-346-7-2018	DE-2-346	2	108	48	113	3.2	105	3.1	105	4	109	103*	109
DE-2-346-182-2018-K	DE-7-322	3	108		109		104		105		109	105	108
DE-2-346-250-2018-K	DE-14-142	1	111		110		109		109		111	106	111
DE-2-346-251-2018-K	DE-14-142	1	108		108		104		104		109	105	107
DE-2-346-252-2018-K	DE-14-142	1	112		111		109		108		110	107	111
DE-2-346-253-2018-K	DE-14-142	1	112		113		109		109		111	107	112
DE-2-346-254-2018	DE-14-142	1	105		107		104		103		106	101	106
DE-2-346-255-2018	DE-14-142	1	108		104		108		108		110	103	109
DE-2-346-256-2018	DE-14-142	1	106		109		104		104		105	102	106

Only one Varroa trait was recorded
Colony without performance tests