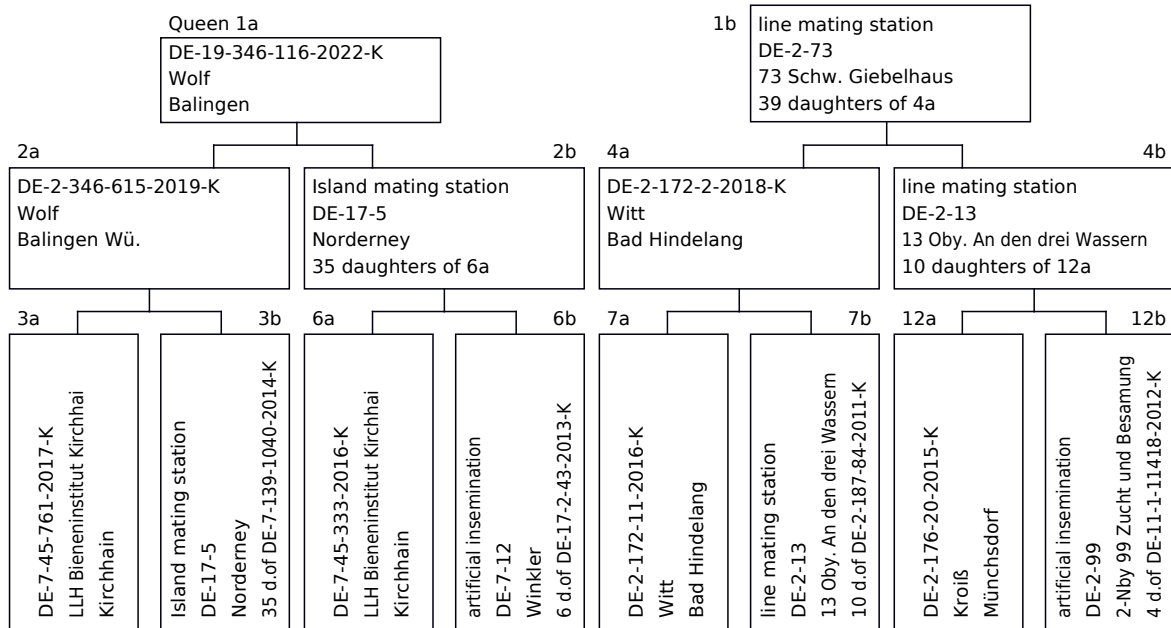


Tester of the queen: Ltg. Achim Fuchs, Prüfhof Kringell, 94116 Hutthurm, DE-2-502, Apiary 2
 Breeder of the queen: Wolf, Christian, 72336 Balingen, DE-19-346
1a Studbook number: **DE-19-346-116-2022-K**

Race line: Sign: yellow Daughters of Queen: 7.2%
 Generation: 2 Hatch date: 30.05.2022 Workers: 0.9%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	64.1	120.9	11	68	53.0
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	110			
Honey yield	-	115			0.46
Defensive behavior	3.40	110			0.56
Steadiness on comb	3.10	109			0.56
Swarming drive	4	105			0.51
Varroa	-	103			0.52
Performance index	-	111			0.46
Robustness in winter	2		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-19-346-116-2022-K

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Performance of the sisters

Amount of checked sisters: 26

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-19-346-157-2022	DE-2-192	1	107		115		Behavior		109		105	(102)	108
DE-19-346-158-2022	DE-2-192	1	107		112		105		104		105	(102)	108
DE-19-346-160-2022	DE-2-192	1	108		116		104		104		105	(102)	109
DE-19-346-161-2022	DE-2-192	1	106		111		102		102		104	(102)	106
DE-19-346-137-2022	DE-2-313	2	109		112		108		107		107	104	110
DE-19-346-116-2022-K	DE-2-502	2	110	64.1	115	3.4	110	3.1	109	4	105	103	111
DE-19-346-117-2022-K	DE-2-502	2	100	54.1	112	2.2	97	2.3	97	4	102	96	102
DE-19-346-118-2022**	DE-2-502	2	106		(112)		(103)		(103)		(102)	(102)	106
DE-19-346-119-2022-K	DE-2-502	2	108	51.2	111	2.3	99	2.6	100	4	103	109	104
DE-19-346-120-2022**	DE-2-502	2	106		(112)		(103)		(103)		(102)	(102)	106
DE-19-346-121-2022	DE-2-502	2	106	61.4	114	3.1	107	3	107	4	104	98*	110
DE-19-346-110-2022-K	DE-2-503	2	108		114		108		105		111	101	111
DE-19-346-111-2022-K	DE-2-503	2	105		112		108		111		92	99	107
DE-19-346-112-2022-K	DE-2-503	2	107		111		104		105		104	103	107
DE-19-346-113-2022	DE-2-503	2	103		112		100		98		89	104	100
DE-19-346-114-2022	DE-2-503	2	102		112		96		98		89	103	99
DE-19-346-115-2022	DE-2-503	2	102		112		95		94		95	103	99
DE-19-346-138-2022-K	DE-7-322	1	107		113		101		102		102	105	106
DE-19-346-607-2022	DE-19-346	1	111		118		108		109		107	104	112
DE-19-346-618-2022	DE-19-346	2	113		117		109		110		107	107	113
DE-19-346-623-2022	DE-19-346	2	109		116		104		104		106	104	109
DE-19-346-644-2022-K	DE-19-346	2	108		114		105		105		106	104*	108
DE-19-346-676-2022	DE-19-346	2	109		114		105		105		106	104	109
DE-19-346-632-2022	DE-19-346	3	103		112		100		101		102	98	104
DE-19-346-635-2022	DE-19-346	3	107		112		104		104		103	103	107
DE-19-346-650-2022	DE-19-346	3	107		113		101		102		102	106	106

Only one Varroa trait was recorded

Colony without performance tests