

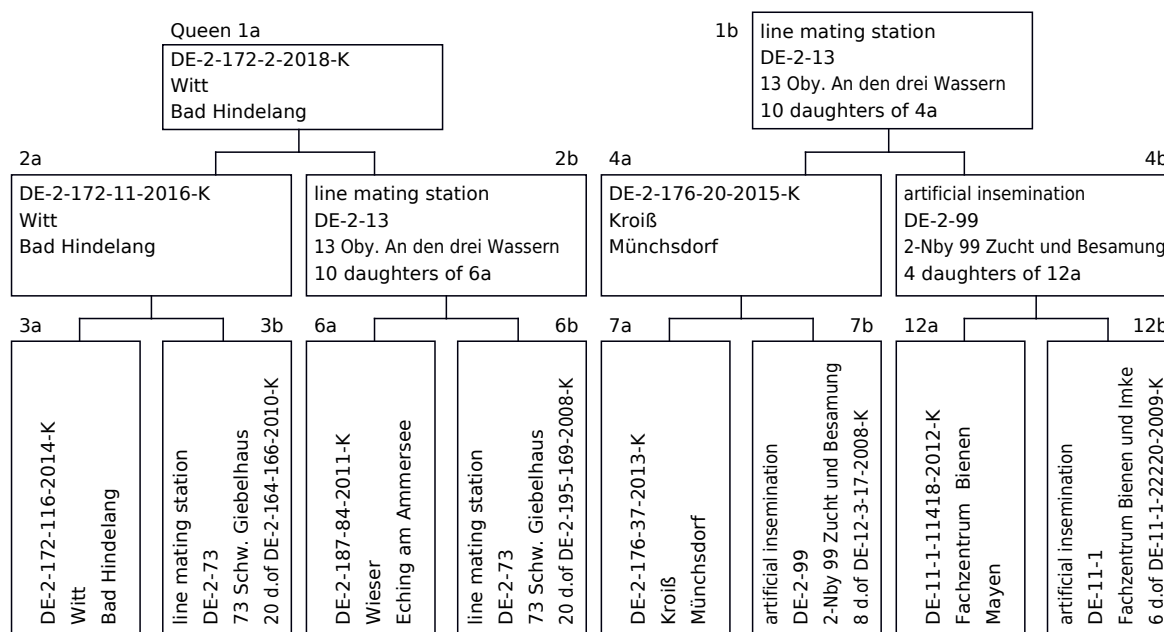
Tester of the queen: Witt, Hans Bernhard, 87541 Bad Hindelang, DE-2-172, Apiary 1
 Breeder of the queen: Witt, Hans Bernhard, 87541 Bad Hindelang, DE-2-172
1a Studbook number: **DE-2-172-2-2018-K**

Race line: -1
 Generation: 5








Sign: red
 Hatch date:

Daughters of
 Queen: 3.0%
 Workers: 1.2%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	38	139.7	2	10	27.2	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	117				
Honey yield	-	114				0.35
Defensive behavior	3.60	113				0.47
Steadiness on comb	4	116				0.47
Swarming drive	4	111				0.35
Varroa	-	(111)				0.08
Performance index	-	118				0.42
Robustness in winter	4		70%	100%	170%	
Development in Spring	4					
Colony strength	4					

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 A

Suitable for breeding with no restrictions; suitable for use as a 4a colony at frequently visited mating stations (all customary breeding values over 100).

Breeding selection report DE-2-172-2-2018-K

Page 2

Performance of the sisters

Amount of checked sisters: 10

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	Swarming drive	Breeding Value Swarming	Varroa-index	Performance index
DE-2-172-1-2018-K	DE-2-172	1	112	48	114	3	103	3	104	3	110	(111)	109
DE-2-172-2-2018-K	DE-2-172	1	117	38	114	3.6	113	4	116	4	111	(111)	118
DE-2-172-3-2018	DE-2-172	1	112	30	110	3	103	3	104	4	110	(111)	110
DE-2-172-4-2018	DE-2-172	1	112	36	111	2.8	102	3	103	4	110	(111)	110
DE-2-172-5-2018	DE-2-172	1	112	28	109	3	103	3	104	4	110	(111)	110
DE-2-172-6-2018	DE-2-172	1	112	27	109	3	103	3	104	4	110	(111)	110
DE-2-172-7-2018	DE-2-172	1	110	21	108	2.5	99	3	102	4	110	(111)	108
DE-2-172-8-2018	DE-2-172	1	111	22	108	3	103	3	104	4	110	(111)	109
DE-2-172-9-2018	DE-2-172	1	111	16	106	3	104	3	104	4	110	(111)	109
DE-2-172-10-2018-K	DE-2-172	1	114	6	106	3	109	4	114	4	111	(111)	114