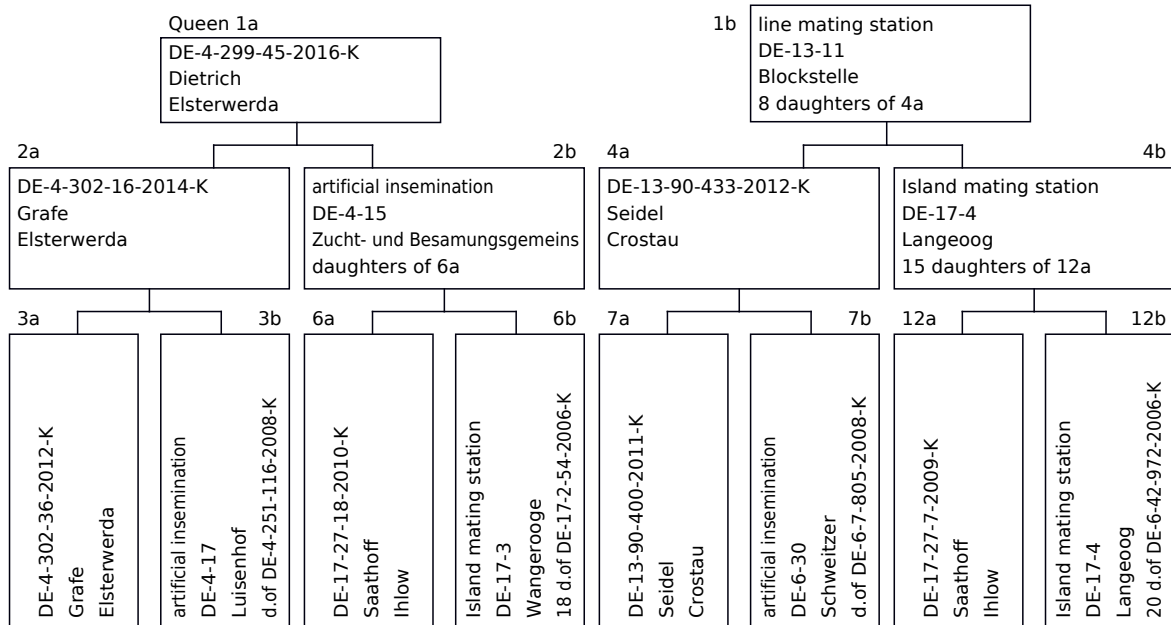


Tester of the queen: Dietrich, Ronald, 04910 Elsterwerda, DE-4-299, Apiary 1
 Breeder of the queen: Dietrich, Ronald, 04910 Elsterwerda, DE-4-299
1a Studbook number: **DE-4-299-45-2016-K**

Race line: -1 Sign: white 45 Daughters of Queen: 0.2%
 Generation: 1 Hatch date: 22.06.2016 Workers: 1.5%

A. Pedigree



B. Own performance

Performance test year	No. of the colony 1			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	84.9	108.2	1	6	78.5
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	112			
Honey yield	-	119			0.35
Defensive behavior	4.00	117			0.54
Steadiness on comb	3.50	115			0.54
Swarming drive	4.00	110			0.32
Varroa	-	(95)			0.09
Performance index	-	0			
Robustness in winter	3.50		70%	100%	170%
Development in Spring	4.00				
Colony strength	4.00				

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 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-4-299-45-2016-K

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Performance of the sisters

Amount of checked sisters: 31

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 during inspection	Swarming drive	Breeding Value Swarming drive	Varroa-index	Performance index
DE-4-299-6-2016	DE-4-299	1	103	68.9	96	3.5	99	3.5	103	4.0	106	(95)	
DE-4-299-44-2016	DE-4-299	1	101	74.7	105	3.0	99	3.5	103	4.0	106	(95)	
DE-4-299-45-2016-K	DE-4-299	1	112	84.9	119	4.0	117	3.5	115	4.0	110	(95)	
DE-4-299-46-2016	DE-4-299	1	103	82.1	116	3.0	97	3.5	102	4.0	107	(95)	
DE-4-299-51-2016	DE-4-299	1	110	83.2	117	3.8	113	3.5	112	4.0	109	(95)	
DE-4-299-56-2016	DE-4-299	1	105	77	108	3.5	108	3.5	109	4.0	108	(95)	
DE-4-302-23-2016-K	DE-4-302	1	112		121		113		116		110	(95)	
DE-4-302-25-2016	DE-4-302	1	102		110		101		101		106	(95)	
DE-4-302-44-2016	DE-4-302	1	103		107		104		104		107	(95)	
DE-4-302-45-2016	DE-4-302	1	100		95		102		108		105	(95)	
DE-4-302-48-2016	DE-4-302	1	108		118		107		110		109	(95)	
DE-4-302-49-2016-K	DE-4-302	1	108		117		109		110		109	(95)	
DE-4-302-50-2016	DE-4-302	1	111		116		116		116		110	(95)	
DE-4-302-51-2016	DE-4-302	1	108		117		109		110		109	(95)	
DE-4-302-52-2016	DE-4-302	1	106		113		107		106		108	(95)	
DE-4-302-53-2016	DE-4-302	1	102		(108)		102		101		106	(95)	
DE-4-302-54-2016	DE-4-302	1	100		95		104		107		105	(95)	
DE-4-302-55-2016	DE-4-302	1	103		110		102		105		107	(95)	
DE-4-302-56-2016	DE-4-302	1	114		121		117		119		111	(95)	
DE-4-302-60-2016	DE-4-302	1	100		91		106		106		105	(95)	
DE-4-302-22-2015-K	DE-4-302	1	113		122		116		118		110	(95)	
DE-4-302-23-2015	DE-4-302	1	110		119		112		114		109	(95)	
DE-4-302-24-2015	DE-4-302	1	106		109		110		111		107	(95)	
DE-4-302-25-2015	DE-4-302	1	105		109		108		109		107	(95)	
DE-4-302-26-2015	DE-4-302	1	104		105		108		110		106	(95)	
DE-4-302-27-2015	DE-4-302	1	110		117		113		114		108	(95)	
DE-4-302-36-2015	DE-4-302	1	103		102		107		108		106	(95)	
DE-4-302-37-2015-K	DE-4-302	1	113		122		116		118		110	(95)	
DE-4-302-39-2015	DE-4-302	1	106		110		110		111		107	(95)	
DE-4-302-40-2015	DE-4-302	1	102		100		107		108		105	(95)	
DE-4-302-49-2015	DE-4-302	1	110		119		112		114		109	(95)	