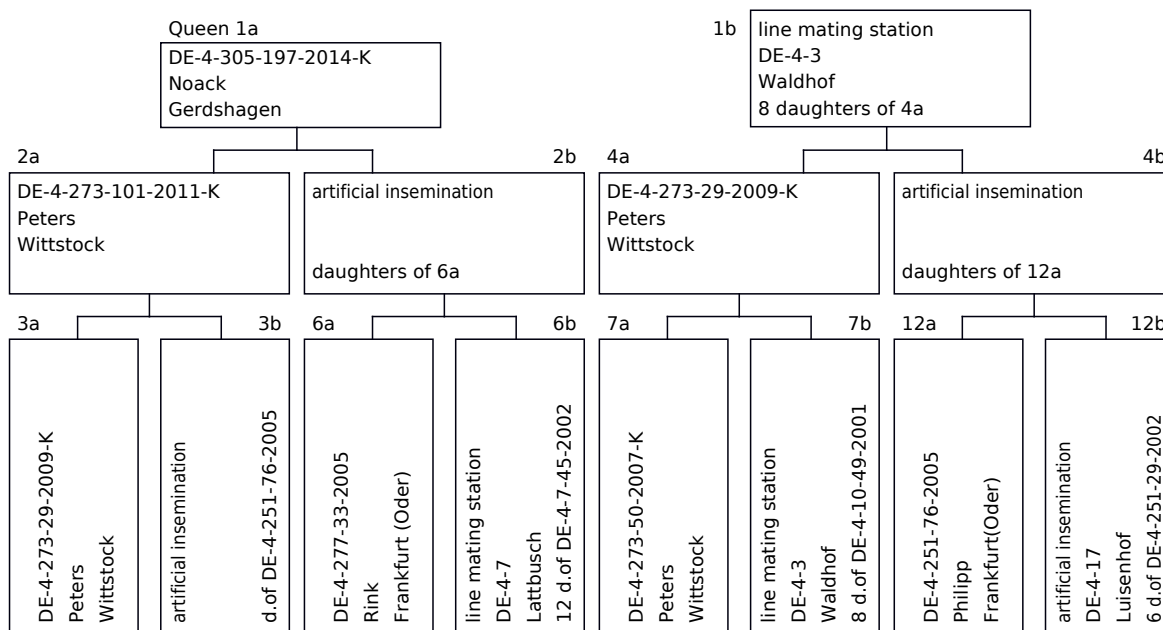


Tester of the queen: Noack, Marion, 16928 Gerdshagen, DE-4-305, Apiary 1
 Breeder of the queen: Noack, Marion, 16928 Gerdshagen, DE-4-305
1a Studbook number: **DE-4-305-197-2014-K**

Race line: -2 Sign: green 97 Daughters of Queen: 3.6%
 Generation: 1 Hatch date: 7.6.2014 Workers: 12.8%

A. Pedigree



B. Own performance

Performance test year	No. of the colony beim Züchter			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
	58.5	129	1	10	45.3	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	105	■			
Honey yield	-	116	■			0.43
Defensive behavior	3.40	111	■			0.62
Steadiness on comb	3.50	113	■			0.64
Swarming drive	3	112	■			0.41
Varroa	-	(91)	■			0.21
Performance index	-	0				
Robustness in winter	3.30	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

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-4-305-197-2014-K

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Performance of the sisters

Amount of checked sisters: 38

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-4-305-190-2014	DE-4-305	1	92	46.5	101	2.9	101	3.5	102	2.5	96	(84)	
DE-4-305-197-2014-K	DE-4-305	1	105	58.5	116	3.4	111	3.5	113	3	112	(91)	
DE-4-305-196-2014	DE-4-305	2	93	30.8	101	3	101	3.3	104	2	96	(86)	
DE-4-305-228-2014	DE-4-305	2	99	6.4	89	3.4	119	3.9	122	1	98	(88)	
DE-4-305-195-2014	DE-4-305	3	108	51.8	112	3.8	117	4	119	4	122	(90)	
DE-4-305-198-2014	DE-4-305	3	101	52.5	110	3.6	109	3.9	112	3.5	109	(88)	
DE-4-305-223-2014	DE-4-305	3	78	32.6	86	2.9	84	3.2	86	3	86	(79)	
DE-4-305-192-2014-K	DE-4-305	4	108	43.5	114	3.6	117	3.8	119	3	121	(90)	
DE-4-273-147-2013	DE-4-1	2	73		89		100		106		90	54	
DE-4-273-51-2013	DE-4-273	1	103		104		113		115		117	(88)	
DE-4-273-52-2013	DE-4-273	1	101		95		113		114		115	(87)	
DE-4-273-53-2013	DE-4-273	1	97		104		103		105		113	(85)	
DE-4-273-60-2013	DE-4-273	1	110		113		120		122		122	(91)	
DE-4-273-62-2013	DE-4-273	1	110		112		119		122		122	(91)	
DE-4-273-64-2013	DE-4-273	1	96		103		103		105		112	(85)	
DE-4-273-96-2013	DE-4-273	1	101		113		108		111		109	(87)	
DE-4-273-97-2013	DE-4-273	1	97		110		100		102		113	(86)	
DE-4-273-98-2013	DE-4-273	1	85		87		97		99		89	(82)	
DE-4-273-126-2013	DE-4-273	1	97		103		105		108		106	(86)	
DE-4-273-145-2013	DE-4-273	1	109		111		119		122		121	(90)	
DE-4-273-146-2013	DE-4-273	1	105		117		109		111		118	(88)	
DE-4-273-115-2013	DE-4-281	1	99		118		102		105		105	(88)	
DE-4-273-119-2013	DE-4-281	1	91		100		99		102		98	(83)	
DE-4-273-149-2013	DE-4-282	1	92		96		100		103		102	(83)	
DE-4-273-150-2013	DE-4-282	1	91		94		100		102		102	(83)	
DE-4-305-8-2013-K	DE-4-305	1	107	39.5	108	3.8	120	3.9	122	3.7	112	(90)	
DE-4-305-24-2013	DE-4-305	1	87	37.5	100	2.7	90	3.4	93	4	104	(80)	
DE-4-305-32-2013-K	DE-4-305	1	109	43	112	3.8	120	3.9	123	3.9	118	(91)	
DE-4-305-33-2013	DE-4-305	1	101	43	109	3.6	108	3.6	111	3.8	110	(88)	
DE-4-305-39-2013	DE-4-305	1	86	34.5	96	3	91	3.2	93	3.9	101	(81)	
DE-4-305-45-2013	DE-4-305	1	91	35	98	3.3	98	3.4	100	3.8	102	(83)	
DE-4-305-47-2013	DE-4-305	1	89	33	94	3.4	97	3.2	99	3.4	93	(84)	
DE-4-273-43-2013	DE-4-310	1	92		105		95		97		103	(84)	
DE-4-273-44-2013	DE-4-310	1	95		93		103		104		105	(89)	
DE-4-273-46-2013	DE-4-310	1	92		91		99		100		103	(87)	
DE-4-273-56-2013	DE-4-310	1	100		109		104		106		109	(90)	
DE-4-273-57-2013	DE-4-310	1	97		106		103		105		98	(90)	
DE-4-273-58-2013	DE-4-310	1	103		106		111		112		111	(91)	