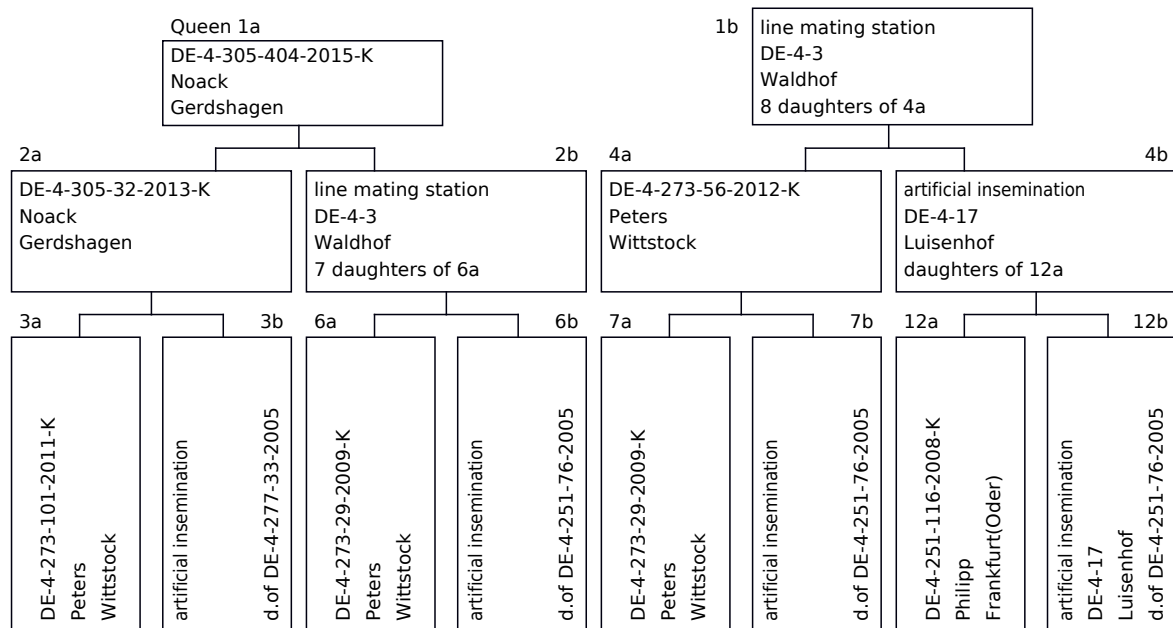


Tester of the queen: Noack, Marion, 16928 Gerdshagen, DE-4-305, Apiary 5  
 Breeder of the queen: Noack, Marion, 16928 Gerdshagen, DE-4-305  
**1a** Studbook number: **DE-4-305-404-2015-K**

Race line: -3 Sign: blue 4 Daughters of Queen: 24.6%  
 Generation: 1 Hatch date: 18.7.2015 Workers: 24.9%

### 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	
	27.5	115.3	5	16	23.8	
	Assessment*	Breeding values			Reliability	
<b>Total breeding value<sup>1</sup></b>	-	111				
Honey yield	-	110				0.47
Defensive behavior	3.70	120				0.66
Steadiness on comb	3.60	122				0.67
Swarming drive	3.80	112				0.44
Varroa	-	(98)				0.23
Performance index	-	0				
Robustness in winter	3.50		70%	100%	170%	
Development in Spring	3					
Colony strength	2.50					

<sup>1</sup>In 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-4-305-404-2015-K

## Page 2

### Performance of the sisters

Amount of checked sisters: 27

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-4-305-206-2015	DE-4-46	1	93		94		Behavior		107		102	(89)	
DE-4-305-229-2015	DE-4-54	1	101		110		105		107		102	(93)	
DE-4-305-214-2015	DE-4-302	1	99		109		99		101		104	(92)	
DE-4-305-108-2015	DE-4-305	3	95	34.7	104	2.7	97	3.4	99	4	104	(89)	
DE-4-305-116-2015	DE-4-305	3	95	29.9	99	3.1	98	3.1	99	4	104	(91)	
DE-4-305-228-2015	DE-4-305	3	92	31.2	99	2.7	95	3.3	97	3.8	97	(89)	
DE-4-305-379-2015	DE-4-305	3	107	41.7	113	3.4	113	3.6	115	3.7	107	(96)	
DE-4-305-162-2015	DE-4-305	4	96	14.4	100	3.5	101	3.5	102	3.7	101	(91)	
DE-4-305-262-2015	DE-4-305	4	97	11	98	3.7	105	3.5	106	3	94	(93)	
DE-4-305-268-2015-K	DE-4-305	4	105	28.8	113	3.6	109	3.7	111	3.7	107	(94)	
DE-4-305-333-2015	DE-4-305	4	94	14	100	3.3	97	3.5	98	4	104	(89)	
DE-4-305-336-2015	DE-4-305	4	92	28.4	110	2.5	90	3.6	93	4	103	(87)	
DE-4-305-106-2015	DE-4-305	5	99	20	102	3.2	105	3.5	107	3.8	103	(92)	
DE-4-305-107-2015	DE-4-305	5	96	44.5	114	2.6	91	3.1	93	4	105	(90)	
DE-4-305-165-2015	DE-4-305	5	107	25.8	107	3.6	113	3.4	114	4	113	(96)	
DE-4-305-259-2015	DE-4-305	5	104	25.4	106	3.5	110	3.4	111	3.8	107	(95)	
DE-4-305-267-2015	DE-4-305	5	99	36.1	111	2.8	100	3.5	103	4	108	(90)	
DE-4-305-345-2015	DE-4-305	5	94	22.6	101	3.1	96	3.1	98	3.8	100	(91)	
DE-4-305-404-2015-K	DE-4-305	5	111	27.5	110	3.7	120	3.6	122	3.8	112	(98)	
DE-4-305-115-2015	DE-4-305	6	91	40.8	99	2.9	96	3.5	98	3	90	(90)	
DE-4-305-117-2015	DE-4-305	6	99	52.1	112	3.1	99	3.4	100	4	108	(92)	
DE-4-305-128-2015	DE-4-305	6	92	35.8	96	3	95	3.4	97	4	102	(89)	
DE-4-305-129-2015	DE-4-305	6	107	44.7	108	3.5	113	3.7	114	4	113	(95)	
DE-4-305-194-2015	DE-4-306	4	102		110		106		107		106	(94)	
DE-4-305-205-2015	DE-4-306	4	103		111		106		107		107	(94)	
DE-4-305-201-2015	DE-4-307	2	90		95		92		93		96	(89)	
DE-4-305-396-2015	DE-4-309	1	105		105		111		112		112	(95)	