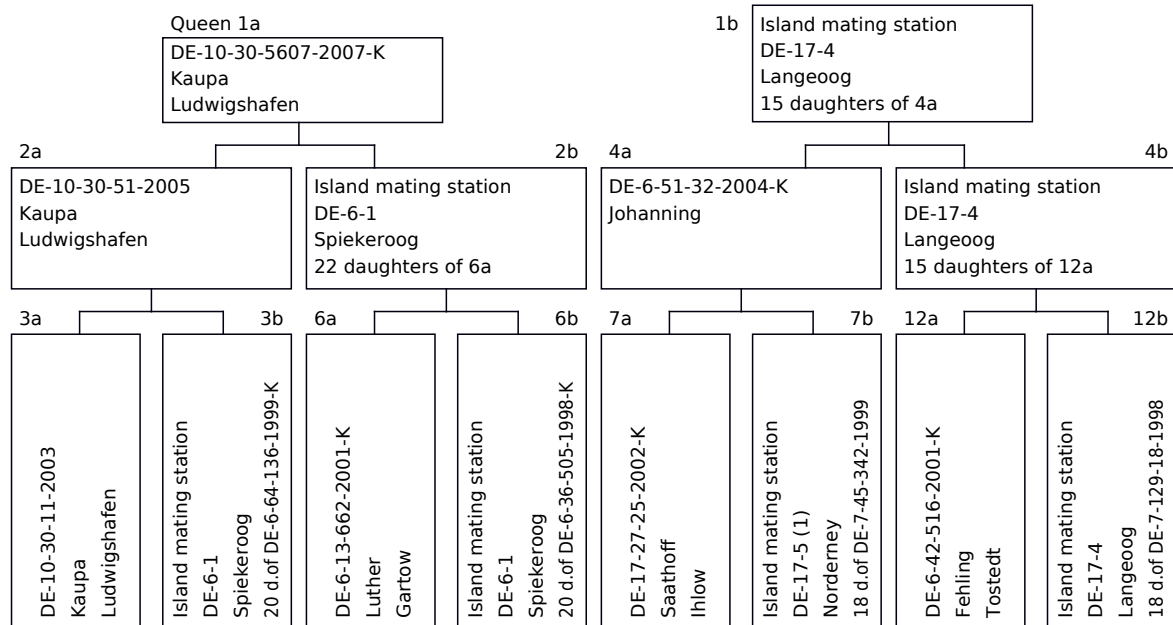


Tester of the queen: Kaupa, Anton, 67065 Ludwigshafen, DE-10-30, Apiary 1
 Breeder of the queen: Kaupa, Anton, 67065 Ludwigshafen, DE-10-30
1a Studbook number: **DE-10-30-5607-2007-K**

Race line: Sign: yellow 56 Daughters of Queen: 4%
 Generation: 6 Hatch date: 21.06.2007 Workers: 0%

A. Pedigree



B. Own performance

Performance test year	No. of the colony			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	11	106.5	7	12	10.3
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	123			
Honey yield	-	109			0.47
Defensive behavior	4	125			0.64
Steadiness on comb	4	123			0.67
Swarming drive	4	115			0.46
Varroa	-	118			0.55
Performance index	-	0			
Robustness in winter			70%	100%	170%
Development in Spring					
Colony strength					

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-10-30-5607-2007-K

Page 2

Performance of the sisters

Amount of checked sisters: 18

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-10-30-69-2007	DE-9-2	2	87		106		Behavior		ding		drive	72	
DE-10-30-66-2007	DE-9-2	3	89		111		96		inspection		101	76	
DE-10-30-67-2007	DE-9-2	3	98		90		97		96		86	108	
DE-10-30-47-2007	DE-9-6	1	85		89		95		97		102	78	
DE-10-30-49-2007	DE-9-6	1	101		106		105		106		108	93	
DE-10-30-53-2007	DE-10-30	1	96	12	106	3	106	4	109	4	111	81	
DE-10-30-4807-2007	DE-10-30	1	103	11	101	3.5	100	3	99	3.5	95	108	
DE-10-30-5407-2007	DE-10-30	1	101	14	105	3	94	3	93	4	102	104	
DE-10-30-5607-2007-K	DE-10-30	1	123	11	109	4	125	4	123	4	115	118	
DE-10-30-7307-2007	DE-10-30	1	96	12	102	3.5	100	3	101	3.5	99	91	
DE-10-38-26-2007	DE-10-38	1	101		100		104		104		105	(96)	
DE-10-38-33-2007	DE-10-38	1	98		101		99		99		103	(95)	
DE-10-38-42-2007	DE-10-38	1	113		111		118		118		115	(102)	
DE-10-38-24-2007	DE-11-41	1	97		100		97		97		103	(95)	
DE-10-38-25-2007	DE-11-41	1	107		102		113		114		110	(100)	
DE-10-30-71-2007	DE-11-113	1	100		98		109		109		107	91	
DE-10-30-72-2007	DE-11-113	1	103		93		106		105		102	103	
DE-10-38-32-2007-K	DE-11-131	1	108		116		108		109		109	(100)	