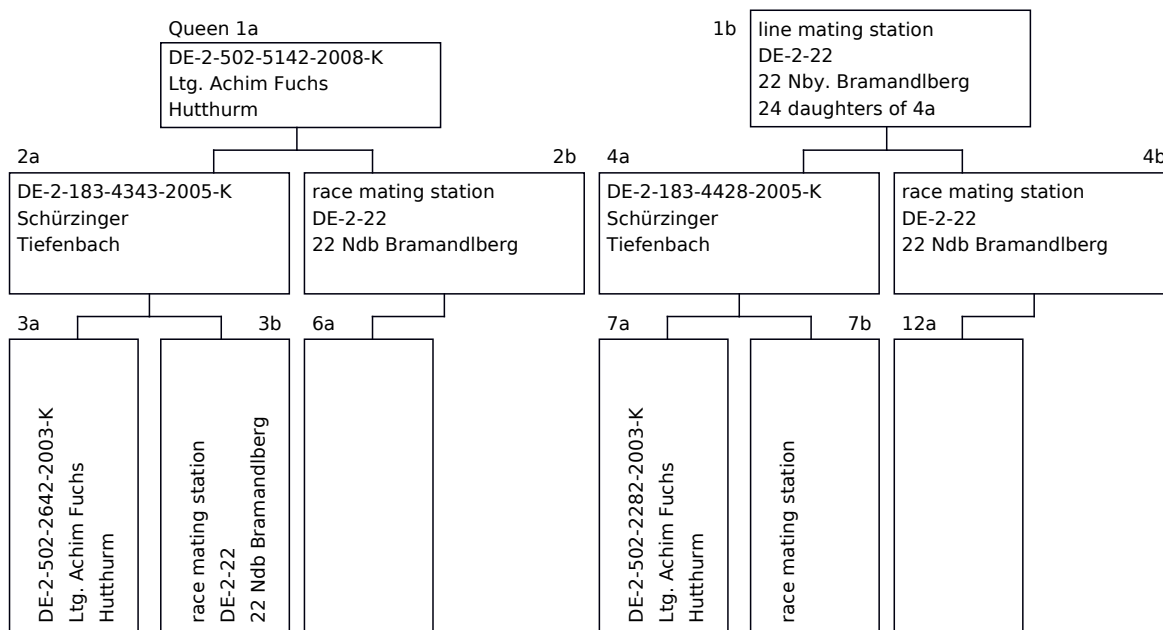


Tester of the queen: Ltg. Achim Fuchs, Prüfhof Kringell, 94116 Hutthurm, DE-2-502, Apiary 2
 Breeder of the queen: Ltg. Achim Fuchs, Prüfhof Kringell, 94116 Hutthurm, DE-2-502
1a Studbook number: **DE-2-502-5142-2008-K**

Race line: -1 Sign: red 25 Daughters of Queen: 4.3%
 Generation: 13 Hatch date: 20.05.2008 Workers: 8.4%

A. Pedigree



B. Own performance

Performance test year	No. of the colony Volk 2326			comparable colonies at the apiary	
	kg	%	Ranking	number	Yield average kg
	54.4	141	10	58	38.6
	Assessment*	Breeding values			Reliability
Total breeding value¹	-	122			
Honey yield	-	115			0.49
Defensive behavior	3.90	117			0.69
Steadiness on comb	3.50	116			0.71
Swarming drive	4	107			0.47
Varroa	-	123			0.57
Performance index	-	0			
Robustness in winter	3		70%	100%	170%
Development in Spring	3				
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 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-2-502-5142-2008-K

Page 2

Performance of the sisters

Amount of checked sisters: 24

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-2-164-218-2008-K	DE-2-164	2	124		112		Behavior		112		102	(123)	
DE-2-164-219-2008	DE-2-164	2	115		108			inspection	112		102	(116)	
DE-2-164-221-2008-K	DE-2-164	2	127		115				124		111	(124)	
DE-2-183-5151-2008	DE-2-183	1	101		95				97		91	(109)	
DE-2-183-5167-2008	DE-2-183	1	108		112				99		96	(112)	
DE-2-183-5169-2008	DE-2-183	1	116		111				111		102	(118)	
DE-2-183-5366-2008	DE-2-183	1	122		114				121		106	(119)	
DE-2-183-5152-2008	DE-2-183	2	103		93				98		92	(112)	
DE-2-183-5154-2008	DE-2-183	2	111		115				101		99	(116)	
DE-2-183-5172-2008	DE-2-183	2	113		107				111		99	(114)	
DE-2-183-5173-2008	DE-2-183	2	116		116				112		102	(116)	
DE-2-183-5153-2008	DE-2-183	3	116		112				117		93	(117)	
DE-2-183-5170-2008	DE-2-183	3	116		105				115		104	(115)	
DE-2-183-5150-2008	DE-2-183	4	97		95				94		77	110	
DE-2-183-5162-2008	DE-2-183	4	110		108				108		103	110	
DE-2-183-5164-2008	DE-2-183	4	122		117				119		107	119	
DE-2-183-5166-2008	DE-2-183	4	121		115				119		107	119	
DE-2-183-5367-2008	DE-2-183	4	99		91				92		89	112	
DE-2-502-5141-2008-K	DE-2-502	2	132	54.6	119	4	130	3.9	129	4	111	128	
DE-2-502-5142-2008-K	DE-2-502	2	122	54.4	115	3.9	117	3.5	116	4	107	123	
DE-2-502-5143-2008-K	DE-2-502	2	124	30.3	107	4	132	4	131	4	111	115	
DE-2-502-5144-2008-K	DE-2-502	2	113	37.9	105	3.8	114	3.5	113	3	92	117	
DE-2-502-5145-2008-K	DE-2-502	2	128	84.4	130	3.8	120	3.7	120	4	111	123	
DE-2-183-5175-2008-K	DE-2-722	1	111		106		107		107		98	(114)	