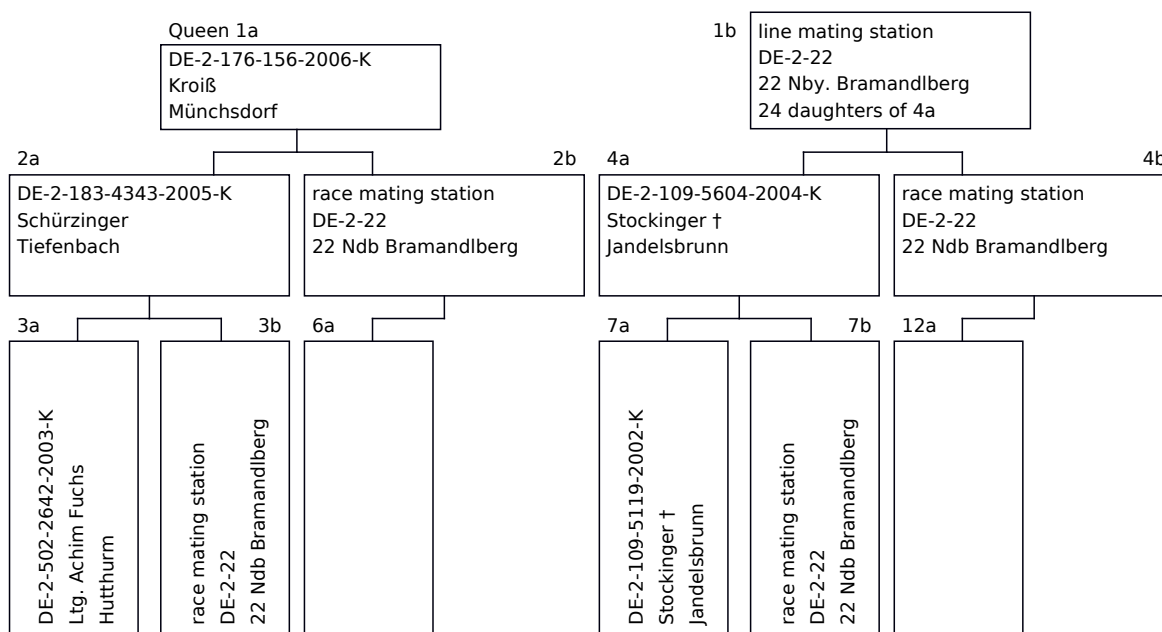








Tester of the queen: Kroiß, Alois, 94439 Münchsdorf, DE-2-176, Apiary 1
 Breeder of the queen: Kroiß, Alois, 94439 Münchsdorf, DE-2-176
1a Studbook number: **DE-2-176-156-2006-K**

Race line: -2 Sign: white Daughters of Queen: 4.3%
 Generation: Hatch date: Workers: 12.9%

A. Pedigree



B. Own performance

	No. of the colony			comparable colonies at the apiary		
	kg	%	Ranking	number	Yield average kg	
Performance test year	34	87.7	17	25	38.8	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	114				
Honey yield	-	98				0.51
Defensive behavior	3.80	109				0.7
Steadiness on comb	3.80	107				0.71
Swarming drive	4	99				0.5
Varroa	-	122				0.59
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

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-2-176-156-2006-K

Page 2

Performance of the sisters

Amount of checked sisters: 79

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-2-183-5064-2007	DE-2-183	1	110		97		100		100		93	(115)	
DE-2-183-5067-2007	DE-2-183	1	105		95		100		99		93	(114)	
DE-2-183-5068-2007	DE-2-183	1	115		110		111		111		100	(117)	
DE-2-183-5091-2007	DE-2-183	1	105		96		100		99		93	(114)	
DE-2-183-5062-2007	DE-2-183	4	104		89		103		101		93	(113)	
DE-2-176-447-2006	DE-2-70	1	109		106		101		99		97	116	
DE-2-176-448-2006	DE-2-70	1	96		89		94		94		74	(110)	
DE-2-176-450-2006	DE-2-70	1	94		90		91		90		79	107*	
DE-2-176-451-2006	DE-2-70	1	95		93		91		91		80	108*	
DE-2-176-452-2006	DE-2-70	1	105		91		100		99		93	116*	
DE-2-176-453-2006	DE-2-70	1	99		94		95		94		92	107*	
DE-2-176-459-2006	DE-2-70	1	94		84		92		90		88	106*	
DE-2-176-414-2006	DE-2-128	1	100		94		108		109		104	94	
DE-2-176-415-2006	DE-2-128	1	97		93		95		95		94	103	
DE-2-176-416-2006	DE-2-128	1	103		94		98		96		85	117	
DE-2-176-417-2006	DE-2-128	1	115		96		108		106		97	127	
DE-2-176-418-2006	DE-2-128	1	89		87		84		83		77	105	
DE-2-176-419-2006	DE-2-128	1	108		94		108		107		101	111	
DE-2-176-420-2006	DE-2-128	1	109		94		108		107		87	119	
DE-2-176-481-2006-K	DE-2-147	1	110		99		106		104		97	118	
DE-2-176-482-2006-K	DE-2-147	1	98		106		101		103		105	90	
DE-2-176-483-2006	DE-2-147	1	116		104		101		98		83	135	
DE-2-176-484-2006-K	DE-2-147	1	109		103		105		105		100	113	
DE-2-176-478-2006	DE-2-166	1	96		78		99		98		77	(111)	
DE-2-176-156-2006-K	DE-2-176	1	114	34	98	3.8	109	3.8	107	4	99	122	
DE-2-176-157-2006	DE-2-176	1	96	36	98	3.8	108	3.8	111	1	92	88	
DE-2-176-158-2006	DE-2-176	1	99	44	102	3.3	96	3.4	96	4	98	101	
DE-2-176-159-2006	DE-2-176	1	104	25	90	3.8	105	3.6	104	3	87	114	
DE-2-176-160-2006	DE-2-176	1	103	28	91	3.8	103	3.4	102	1	82	114	
DE-2-176-161-2006	DE-2-176	1	96	32	91	3.1	92	3.3	91	2	78	111	
DE-2-176-162-2006	DE-2-176	1	112	42	102	3.5	99	3.4	96	4	94	126	
DE-2-183-4651-2006	DE-2-183	1	94		95		87		86		74	(109)	
DE-2-183-4591-2006	DE-2-183	2	100		90		96		95		92	(110)	
DE-2-183-4592-2006	DE-2-183	2	104		100		97		96		95	(111)	
DE-2-183-4593-2006	DE-2-183	2	102		101		97		97		83	(112)	
DE-2-183-4594-2006	DE-2-183	2	104		102		97		96		96	(112)	
DE-2-183-4639-2006	DE-2-183	2	122		107		123		122		107	(120)	
DE-2-183-4640-2006	DE-2-183	2	107		89		110		108		86	(117)	
DE-2-183-4626-2006	DE-2-183	3	98		94		93		92		88	(109)	
DE-2-183-4656-2006	DE-2-183	3	98		94		93		92		88	(109)	
DE-2-183-4649-2006	DE-2-183	4	112		108		105		104		98	(117)	
DE-2-183-4655-2006	DE-2-183	4	98		99		90		90		89	(109)	
DE-2-176-409-2006	DE-2-192	2	112		96		96		92		84	134	
DE-2-176-410-2006	DE-2-192	2	115		83		112		108		90	131	
DE-2-176-411-2006	DE-2-192	2	96		110		94		96		98	93	
DE-2-176-422-2006	DE-2-197	6	100		94		83		80		65	129	
DE-2-176-423-2006	DE-2-197	6	99		96		91		90		90	111	
DE-2-176-424-2006	DE-2-197	6	87		92		84		84		88	94	
DE-2-176-426-2006	DE-2-197	6	110		98		104		103		95	119	
DE-2-176-491-2006-K	DE-2-205	1	119		102		114		111		97	127*	
DE-2-176-493-2006	DE-2-205	1	103		97		98		97		92	112	
DE-2-211-436-2006	DE-2-211	3	88		82		82		81		89	102	

DE-2-211-437-2006	DE-2-211	3	96		78		99		98		80	110	
DE-2-211-438-2006	DE-2-211	3	114		102		119		119		112	108	
DE-2-211-439-2006-K	DE-2-211	3	97		88		100		99		82	105	
DE-2-176-401-2006	DE-2-232	1	90		86		89		89		87	99	
DE-2-176-402-2006	DE-2-232	1	107		97		104		103		97	112	
DE-2-176-403-2006-K	DE-2-232	1	115		100		105		102		95	128	
DE-2-176-404-2006	DE-2-232	1	120		108		106		103		95	135	
DE-2-176-405-2006	DE-2-232	1	106		102		105		105		99	107	
DE-2-176-406-2006	DE-2-232	1	109		101		105		104		97	114	
DE-2-176-407-2006	DE-2-232	1	110		95		104		102		94	121	
DE-2-176-408-2006	DE-2-232	1	94		90		92		91		81	107	
DE-2-502-4551-2006-K	DE-2-501	1	109		102		107		106		102	112	
DE-2-502-4552-2006-K	DE-2-501	1	113		99		106		104		98	123	
DE-2-502-4553-2006-K	DE-2-501	1	102		100		106		107		104	98	
DE-2-502-4554-2006-K	DE-2-501	1	98		97		106		107		93	94	
DE-2-502-4555-2006-K	DE-2-501	1	104		89		96		94		92	119	
DE-2-502-4565-2006	DE-2-502	2	113		86		114		112		86	126	
DE-2-502-4566-2006-K	DE-2-502	2	114		106		117		117		106	109	
DE-2-502-4567-2006-K	DE-2-502	2	117		106		121		121		98	116	
DE-2-502-4568-2006-K	DE-2-502	2	119		105		116		115		103	123	
DE-2-502-4569-2006-K	DE-2-502	2	121		106		117		115		103	125	
DE-2-502-6562-2006	DE-2-502	2	114		106		117		117		106	109	
DE-2-502-4556-2006-K	DE-2-503	3	122		102		106		102		91	143	
DE-2-502-4557-2006	DE-2-503	3	115		102		106		104		80	132	
DE-2-502-4558-2006	DE-2-503	3	125		106		107		103		91	146	
DE-2-502-4559-2006	DE-2-503	3	109		105		103		102		96	115	
DE-2-502-4560-2006	DE-2-503	3	99		90		105		105		96	98	

Only one Varroa trait was recorded