

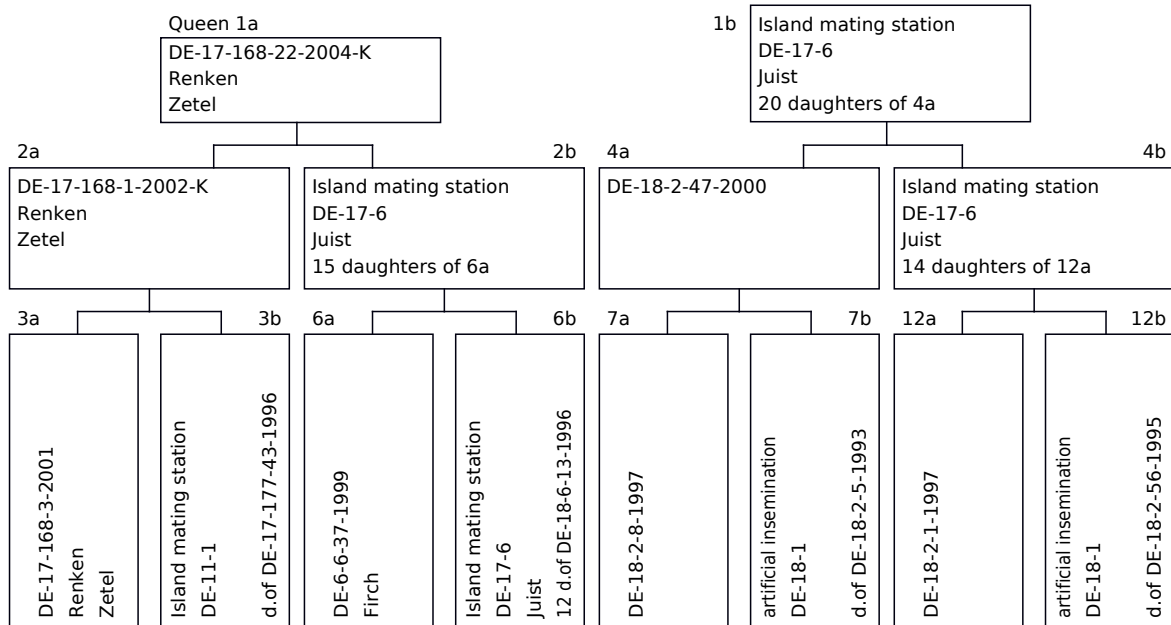
Tester of the queen: Renken, Wilhelm, Zetel, DE-17-168, Apiary 3
Breeder of the queen: Renken, Wilhelm, Zetel, DE-17-168
1a Studbook number: **DE-17-168-22-2004-K**

Race line: -14
Generation:







Sign: green
Hatch date:

Daughters of
Queen: 1.4%
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	
	50.2	129.4	1	10	38.8	
	Assessment*	Breeding values			Reliability	
Total breeding value¹	-	108				
Honey yield	-	111				0.47
Defensive behavior	3.80	111				0.63
Steadiness on comb	3.90	112				0.65
Swarming drive	4	104				0.48
Varroa	-	101*				0.54
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%.

Only one Varroa trait was recorded

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-17-168-22-2004-K

Page 2

Performance of the sisters

Amount of checked sisters: 33

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-17-168-4-2004	DE-6-13	1	102		108		Behavior		109		109	95*	
DE-17-168-3-2004	DE-6-17	2	106		105		107		107		112	99*	
DE-17-168-2-2004	DE-17-92	1	89		96		88		88		94	91*	
DE-17-168-5-2004	DE-17-168	2	106	46.8	108	3.4	105	3.6	105	4	105	103*	
DE-17-168-6-2004	DE-17-168	2	80	20.1	82	2.7	85	3	86	2.5	77	88*	
DE-17-168-7-2004	DE-17-168	2	81	20.9	82	2.9	85	2.7	85	1	74	92*	
DE-17-168-8-2004	DE-17-168	2	93	20.8	85	3.3	98	3.4	97	2	80	101*	
DE-17-168-9-2004	DE-17-168	2	87	33.4	92	2.9	88	3	89	2	79	94*	
DE-17-168-10-2004-K	DE-17-168	2	118	49.8	115	3.8	120	3.9	120	4	114	109*	
DE-17-168-11-2004	DE-17-168	2	114	37	103	3.7	116	3.9	116	4	108	111*	
DE-17-168-21-2004	DE-17-168	2	91	37.6	95	2.7	85	2.8	84	2	76	104*	
DE-17-168-18-2004	DE-17-168	3	94	30.9	88	3.6	102	3.8	102	3.5	90	94*	
DE-17-168-19-2004-K	DE-17-168	3	105	41.2	100	3.8	107	3.8	107	4	103	102*	
DE-17-168-20-2004	DE-17-168	3	87	30.7	86	3.5	94	3.4	94	3.5	87	90*	
DE-17-168-22-2004-K	DE-17-168	3	108	50.2	111	3.8	111	3.9	112	4	104	101*	
DE-17-171-8-2004	DE-17-171	2	94		93		88		87		90	103*	
DE-17-171-9-2004	DE-17-171	2	97		95		97		97		83	104*	
DE-17-171-11-2004	DE-17-171	2	90		95		84		84		80	103*	
DE-17-171-13-2004	DE-17-171	2	82		94		88		89		85	82*	
DE-17-171-14-2004	DE-17-171	2	82		87		87		88		78	88*	
DE-17-171-15-2004	DE-17-171	2	85		89		87		88		77	93*	
DE-17-171-26-2004	DE-17-171	2	90		88		87		86		74	105*	
DE-17-171-30-2004	DE-17-171	2	93		102		98		100		99	88*	
DE-17-171-32-2004	DE-17-171	2	101		98		101		101		100	101*	
DE-17-171-33-2004	DE-17-171	2	104		98		111		111		93	102*	
DE-17-171-34-2004	DE-17-171	2	108		108		112		112		107	101*	
DE-17-171-35-2004	DE-17-171	2	83		80		86		86		74	95*	
DE-17-171-36-2004	DE-17-171	2	99		91		110		111		92	97*	
DE-17-171-37-2004	DE-17-171	2	76		78		95		98		81	72*	
DE-17-171-38-2004	DE-17-171	2	92		93		88		87		90	101*	
DE-17-171-39-2004	DE-17-171	2	96		103		98		99		88	97*	
DE-17-171-40-2004	DE-17-171	2	94		102		102		103		105	83*	
DE-17-171-41-2004	DE-17-171	2	104		100		111		111		93	102*	

Only one Varroa trait was recorded