

Supplementary Table S1: Sampling localities and number of isolates of *Cryphonectria parasitica* included in the study.

District ^a	No.	Code of Chestnut Stand	Municipality ^a	Number of Isolates ^b
<i>Val Venosta–Vinschgau</i>				
	1	TAP	Corces–Kortsch	4
	2	WIN	Corces–Kortsch	5
	3	GOG	Silandro–Schlanders	16
	4	VET	Silandro–Schlanders	12
	5	KGK	Ciardes–Kastelbell	7
	6	AUF	Naturno–Naturns	10
	7	ALTO	Tel–Töll	3
	8	WEIR	Tel–Töll	6
<i>Burgraviato–Burggrafenamt</i>				
	9	ALAL	Lagundo–Alt Algund	7
	10	BRUG	Tirol–Dorf Tirol	6
	11	MOAR	Scena–Schenna	10
	12	CRIS	Merano–Meran	7
	13	WIB	Postal–Burgstall	9
	14	KAL	Lana	10
	15	BLAS	Foiana–Völlan	1
	16	OBER	Foiana–Völlan	2
	17	BRUN	Saltusio–Saltaus	10
<i>Valle Isarco–Eisacktal</i>				
	18	ISC	Laion–Lajen	7
	19	OBG	Barbiano–Barbian	17
	20	OBK	Barbiano–Barbian	5
	21	SPR	Barbiano–Barbian	6
	22	TSB	Barbiano–Barbian	3
<i>Salto–Sciliar–Salten–Schlern</i>				
	23	FLK	Sant’Oswaldo–Siusi–St. Oswald–Seis	4
	24	GRU	Pietrarossa–Renon–Rotwand–Ritten	7
	25	JOG	Siffiano–Renon–Siffian–Ritten	4
	26	TES	Auna di Sotto–Renon–Unterinn–Ritten	2
	27	KLS	Signato–Renon–Signat–Ritten	5
	28	NOP	Longostano–Renon–Lengstein–Ritten	14
	29	PIE	Longostano–Renon–Lengstein–Ritten	4
	30	NOC	Sill–Renon–Sill–Ritten	6
	31	PLA	Sill–Renon–Sill–Ritten	11
<i>Oltradige–Bassa Atesina–Überetsch–Unterland</i>				
	32	HOAN	Laives–Leifers	10
	33	UNT	Laives–Leifers	9
	34	RUTT	Pineta–Steinmannwald	8
	35	MUL	Pineta–Steinmannwald	3
<i>Monticolo Forest</i>				
	36	Mont	Bosco di Monticolo–Montiggler Wald	26

^a South Tyrol is a bilingual region and the names of the districts and municipalities are provided in the official languages Italian and German; ^b the total number of isolates included in the study.