

Supplementary Table 1. Collection details of sampled *S. rubrovittatus*

No.	Location	Latitude/longitude coordinates	Plant*	Collection year
1	Kikonai, Hokkaido	41°41'N, 140°26'E	L	2008
2	Shiriuchi, Hokkaido	41°36'N, 140°21'E	L	2008
3	Rokkasho, Aomori	40°57'N, 141°22'E	G	2006
4	Akita, Akita	39°41'N, 140°7'E	G	2007
5	Daisen, Akita	39°29'N, 140°30'E	L	2006
6	Morioka, Iwate	39°45'N, 141°8'E	L	2006
7	Miyako, Iwate	39°38'N, 141°57'E	G	2006
8	Kitakami, Iwate	39°21'N, 141°6'E	L	2005
9	Sinjo, Yamagata	38°44'N, 140°17'E	L	2006
10	Kurihara, Miyagi	38°55'N, 140°43'E	R	2006
11	Tajiri, Miyagi	38°36'N, 141°3'E	G	2005
12	Furukawa, Miyagi	38°34'N, 140°58'E	G	2005
13	Souma, Fukushima	37°48'N, 140°55'E	G	2005
14	Iwaki, Fukushima	37°21'N, 140°44'E	L	2007
15	Sado, Niigata	38°1'N, 138°22'E	G	2006
16	Joetsu, Niigata	37°7'N, 138°16'E	G	2006
17	Toyama, Toyama	36°41'N, 138°16'E	L	2006
18	Kanazawa, Ishikawa	36°39'N, 136°42'E	G	2007
19	Tatebayashi, Gunma	36°15'N, 139°32'E	G	2006
20	Tsukuba, Ibaraki	36°1'N, 140°6'E	L	2006
21	Inashiki, Ibaraki	35°57'N, 140°30'E	G	2006
22	Kitakawabe, Saitama	36°11'N, 139°39'E	L	2006
23	Katori, Chiba	35°51'N, 140°36'E	G	2006
24	Gero, Gifu	35°45'N, 136°56'E	L	2006
25	Gifu, Gifu	35°25'N, 136°46'E	G	2006
26	Adzuchi, Shiga	35°10'N, 136°8'E	G	2006
27	Kasai, Hyogo	34°52'N, 134°53'E	L	2006
28	Kotoura, Tottori	35°30'N, 133°42'E	R	2007
29	Fukuyama, Hiroshima	34°30'N, 133°23'E	G	2006
30	Miki, Kagawa	34°16'N, 134°8'E	G	2006
31	Nakatsu, Oita	33°34'N, 131°14'E	G	2006
32	Kawasoe, Saga	33°13'N, 130°19'E	G	2006
33	Kikuyo, Kumamoto	32°52'N, 130°49'E	G	2006
34	Aya, Miyazaki	31°60'N, 131°15'E	G	2006

* L: Cultivated *Lolium multiflorum*; G: Uncultivated grasses; R:Rice.