

**Table S3 Top epsRNA-producing regions (two sequencings pooled)**

Rank	Supercontig	Positions	Reads	Small RNA-producing region(s)
1	8	94000–94999	1394461	Between 28S and 18S rRNAs
2	8	97000–97999	643321	Between 28S and 18S rRNAs
3	8	95000–95999	489581	Between 28S and 18S rRNAs
4	8	96000–96999	404418	Between 28S and 18S rRNAs
5	8	93000–93999	213601	Between 28S and 18S rRNAs
6	20	0–999	178111	Region contains no annotated genes
7	8	98000–98999	177829	28S rRNA + right flank
8	9	0–999	72662	28S rRNA
9	8	92000–92999	67128	Between 28S and 18S rRNAs
10	8	189000–189999	58551	18S rRNA
11	2	2454000–2454999	57114	<i>disiRNA-12</i>
12	1	8151000–8151999	48117	<i>disiRNA-9</i>
13	4	584000–584999	43344	NCU04877 (hypothetical protein)
14	1	5852000–5852999	39019	Between NCU09210 and NCU09211
15	8	99000–99999	38408	Between 28S and 18S rRNAs
16	20	1000–1646	35119	Region contains no annotated genes
17	9	113000–113999	32548	18S rRNA
18	4	5041000–5041999	29773	NCU08845 (hypothetical protein) + right flank
19	2	152000–152999	25193	NCU03580 (hypothetical protein) + right flank
20	5	1797000–1797999	23561	<i>disiRNA-28</i>
21	4	3439000–3439999	23061	NCU04417 (hypothetical protein)
22	4	640000–640999	20239	NCU04888 (hypothetical protein)
23	8	88000–88999	19285	28S rRNA
24	3	4643000–4643999	18763	Between NCU08207 and NCU08208
25	8	142000–142999	18689	28S rRNA
26	2	151000–151999	18552	NCU03580 (hypothetical protein)
27	6	1485000–1485999	18540	Between NCU05568 and NCU05567
28	3	4642000–4642999	15818	Between NCU08207 and NCU08208
29	4	494000–494999	15597	Between NCU04857 and NCU04859
30	6	431000–431999	15571	NCU04701 (hypothetical protein)

Small RNAs were isolated from a cross with no artificial unpairings. Supercontigs 1–7 refer to linkage groups I–VII while 8–20 are unmapped.