Supplemental Table S1 Details of high-throughput genomics data generated in this study

Sl. No.	Dataset type	Genotype	Replicate	Source tissue	SRA number	GSE number	Total number of reads obtained	Sequencing mode
1	Small RNA-seq	WT	Rep1	Panicle	SRX115 04325	GSE180 456	233293 64	Single end-50bp
2	Small RNA-seq	WT	Rep2		SRX115 04326	GSE180 456	216984 90	Single end-50bp
3	Small RNA-seq	nrpd1-kd	Rep1		SRX115 04327	GSE180 456	235759 76	Single end-50bp
4	Small RNA-seq	nrpd1-kd	Rep2		SRX115 04328	GSE180 456	224474 09	Single end-50bp
5	Small RNA-seq	WT	Rep1	Anther	SRX115 04317	GSE180 456	299052 95	Single end-50bp
6	Small RNA-seq	WT	Rep2		SRX115 04318	GSE180 456	276942 39	Single end-50bp
7	Small RNA-seq	nrpd1-kd	Rep1		SRX115 04319	GSE180 456	285446 01	Single end-50bp
8	Small RNA-seq	nrpd1-kd	Rep2		SRX115 04320	GSE180 456	276198 24	Single end-50bp
9	Small RNA-seq	WT	Rep1	Endosperm	SRX115 04321	GSE180 456	309442 41	Single end-50bp
10	Small RNA-seq	WT	Rep2		SRX115 04322	GSE180 456	330438 01	Single end-50bp
11	Small RNA-seq	nrpd1-kd	Rep1		SRX115 04323	GSE180 456	341053 59	Single end-50bp
12	Small RNA-seq	nrpd1-kd	Rep2		SRX115 04324	GSE180 456	334467 54	Single end-50bp
13	Degradome-seq	WT	Rep1	Panicle	SRX114 90570	GSE180 312	795001 84	Single end-50bp
14	Degradome-seq	nrpd1-kd	Rep1		SRX114 90571	GSE180 312	382316 04	Single end-50bp
15	Methylome-seq	WT	Rep1	Panicle	SRX114 92995	GSE180 333	324542 21 pairs	Paired-end 100bp
16	Methylome-seq	nrpd1-kd	Rep1		SRX114 92996	GSE180 333	465194 65 pairs	Paired-end

								100bp
17	Methylome-seq	*nrpd1-kd*	Rep2		SRX114 92997	GSE180 333	468507 96 pairs	Paired-end 100bp
18	H3K9me2 _ChIP	WT	Rep1	Panicle	SRX114 90555	GSE180 311	496946 17	Single end-50bp
19	H3K9me2 _ChIP	WT	Rep2		SRX114 90556	GSE180 311	452864 14	Single end-50bp
20	H3K9me2 _ChIP	*nrpd1-kd*	Rep1		SRX114 90557	GSE180 311	398798 48	Single end-50bp
21	H3K9me2 _ChIP	*nrpd1-kd*	Rep2		SRX114 90558	GSE180 311	429941 28	Single end-50bp
22	H3K4me3 _ChIP	WT	Rep1	Panicle	SRX114 90551	GSE180 311	502093 78	Single end-50bp
23	H3K4me3 _ChIP	WT	Rep2		SRX114 90552	GSE180 311	449335 44	Single end-50bp
24	H3K4me3 _ChIP	*nrpd1-kd*	Rep1		SRX114 90553	GSE180 311	365162 01	Single end-50bp
25	H3K4me3 _ChIP	*nrpd1-kd*	Rep2		SRX114 90554	GSE180 311	355178 65	Single end-50bp
26	H3K27me 3_ChIP	WT	Rep1	Panicle	SRX114 90559	GSE180 311	477479 01	Single end-50bp
27	H3K27me 3_ChIP	WT	Rep2		SRX114 90560	GSE180 311	514465 57	Single end-50bp
28	H3K27me 3_ChIP	*nrpd1-kd*	Rep1		SRX114 90561	GSE180 311	524091 80	Single end-50bp
29	H3K27me 3_ChIP	*nrpd1-kd*	Rep2		SRX114 90562	GSE180 311	480578 75	Single end-50bp
30	H3_ChIP	WT	Rep1	Panicle	SRX114 90563	GSE180 311	338641 48	Single end-50bp
31	H3_ChIP	WT	Rep2		SRX114 90564	GSE180 311	362762 96	Single end-50bp
32	H3_ChIP	*nrpd1-kd*	Rep1		SRX114 90565	GSE180 311	336843 46	Single end-50bp
33	H3_ChIP	*nrpd1-kd*	Rep2		SRX114 90566	GSE180 311	302252 49	Single end-50bp
34	PolII_ChIP	WT	Rep1	Panicle	SRX114 90567	GSE180 311	289855 29	Single end-

								50bp
35	PolII_ChIP	*nrpd1-kd*	Rep1		SRX114 90568	GSE180 311	357494 75	Single end- 50bp
36	INPUT_ch romatin	WT	Rep1		SRX114 90569	GSE180 311	370389 43	Single end- 50bp
37	mRNA- seq	WT	Rep1	Panicle	SRX114 93038	GSE180 335	173213 26 pairs	Paired- end 100bp
38	mRNA- seq	WT	Rep2		SRX114 93039	GSE180 335	173512 26 pairs	Paired- end 100bp
39	mRNA- seq	*nrpd1-kd*	Rep1		SRX114 93040	GSE180 335	149268 95 pairs	Paired- end 100bp
40	mRNA- seq	*nrpd1-kd*	Rep2		SRX114 93041	GSE180 335	160766 26 pairs	Paired- end 100bp
41	mRNA- seq	WT	Rep1	Anther	SRX115 04317	GSE180 335	386956 08 pairs	Paired- end 100bp
42	mRNA- seq	WT	Rep2		SRX115 04318	GSE180 335	324552 82 pairs	Paired- end 100bp
43	mRNA- seq	*nrpd1-kd*	Rep1		SRX114 93044	GSE180 335	292318 06 pairs	Paired- end 100bp
44	mRNA- seq	*nrpd1-kd*	Rep2		SRX114 93037	GSE180 335	336894 53 pairs	Paired- end 100bp
45	H3K9me2 _ChIP	*nrpd1-kd*	Rep3	Panicle	SRX135 86330	GSE180 311		Single end- 50bp
46	H3K9me2 _ChIP	*nrpd1-kd*	Rep4	Panicle	SRX135 86331	GSE180 311		Single end- 50bp
47	PolII_ChIP	WT	Rep2	Panicle	SRX135 86332	GSE180 311		Single end- 50bp
48	PolII_ChIP	*nrpd1-kd*	Rep2	Panicle	SRX135 86333	GSE180 311		Single end- 50bp
49	Methylom e-seq	WT	Rep1	Leaf	SRX135 86334	GSE180 333		Paired- end 100bp
50	Methylom e-seq	*nrpd1-kd*	Rep1	Leaf	SRX135 86335	GSE180 333		Paired- end 100bp