

Supplementary Table S1:

Assignment of subtelomeric repeats to the *U. maydis* chromosomes

Chromosome	Terminus Telomere ^a	Contigs ^b
	L.....R	L.....R
1	2.....37	1.269, 1.256, 1.1.....1.26
2	36.....32	1.27.....1.50
3	26.....28	1.51.....1.73
4	38.....3	1.187.....1.245
5	4	1.83
6	7.....19	1.84.....1.94
7	45.....	95.....
8	44.....24	1.106.....1.114
9	25.....18	1.265, 1.264, 1.115.....1.122
10	40.....39	1.123.....1.131
11	46.....8	1.132..... <u>1.142</u>
12	35.....1	1.143.....1.150
13	14.....33	1.159.....1.170
14	15.....23	1.151.....1.158
15	34.....41	1.180.....1.186
16	31.....20	1.204.....1.212
17	11.....12	1.171.....1.179
18	42.....27	1.195.....1.203
19	43.....29	1.191.....1.194
20	22.....9	1.213.....1.223, 2.253 ^d
21	6.....5	1.224.....1.232
22	10.....17	1.233.....1.237
23	30.....13	1.247.....1.250
unlinked ^c		
UL	16	1.252
UL	21	1.262
(UL) ^d	47	1.263

^a Subtelomeric repeats were identified by TERMINUS (Li, W., Rehmeier, C. J., Staben, C. & Farman, M. L. TERMINUS--Telomeric End-Read Mining IN Unassembled Sequences. Bioinformatics 21, 1695-8, 2005). The numbers listed under L (left) and R (right) indicate the telomeric repeats assigned to the respective chromosome by TERMINUS. Detailed analysis can be viewed at

http://fungus.kbrin.uky.edu/cgi-bin/gbrowse/U_maydis_broad_tel_100k.

^b Listed are the contig numbers (http://www.broad.mit.edu/annotation/fungi/ustilago_maydis/) containing subtelomeric repeats.

^c unlinked indicates that the respective contigs are not linked to chromosomes.

^d subtelomeric repeat is supported by a single sequence read only.