

**Table S3. UQ-NIP-Collapsed assembly chromosome sizes and number of telomeres**

#chr	length	Start-Telomere		End-Telomere		Telomeres
		seq	size	seq	size	
OSUQ01	43,960,277	TAAACCC	8,471	TTTAGGG	12,360	2
OSUQ02	36,506,049	TAAACCC	9,614	TTTAGGG	6,474	2
OSUQ03	37,404,130	TAAACCC	1,718	TTTAGGG	9,043	2
OSUQ04	36,083,220	TAAACCC	3,787	TTTAGGG	10,762	2
OSUQ05	30,417,698	TAAACCC	6,265	TTTAGGG	7,541	2
OSUQ06	32,132,640	TAAACCC	5,927	TTTAGGG	10,106	2
OSUQ07	29,813,588	TAAACCC	10,228	TTTAGGG	7,120	2
OSUQ08	28,607,546	TAAACCC	3,606	TTTAGGG	7,434	2
OSUQ09	23,461,744	TAAACCC	5,710			1
OSUQ10	23,948,751	TAAACCC	7,101	TTTAGGG	5,156	2
OSUQ11	30,712,252	TAAACCC	246	TTTAGGG	4,299	2
OSUQ12	28,269,131	TAAACCC	7,121	TTTAGGG	6,988	2