

Supplementary Table 1. A. List of SSR markers identified from the 100 kb region of *Xa21* locus (*japonica*)

Motif	No. of Repeats	SSR start	SSR end
Monomeric Repeats			
c	13	472	484
t	7	1609	1615
a	10	4540	4549
a	12	10536	10557
t	7	16771	16776
t	8	16836	16843
a	9	16839	16847
a	8	26261	26846
t	7	26638	26644
a	10	26646	26655
t	8	31075	31083
t	12	32690	32701
t	13	46774	46786
t	7	46809	46815
a	7	47478	47484
t	7	48962	48968
t	7	52895	52901
t	8	53911	53918
a	9	54067	54076
a	7	59847	59853
a	7	61060	61066
a	8	61068	61075
a	7	61910	61916
a	7	61918	61925
a	8	63426	63434
a	7	63458	63465
a	10	66090	66099
t	7	66870	66876
a	7	67275	67281
a	7	73624	73630
g	11	74936	74946
g	10	75119	755129
t	12	75163	75174
a	13	85199	85212
a	7	85243	85249
a	8	85251	85258
g	7	85412	85418
a	7	87164	87170
Trimeric Repeats			
gcg	4	57522	57533
ggc	4	65234	65245
ccg	4	74077	74088
cct	4	74089	74100
cct	4	74119	74130
tga	4	80236	80247
gcg	5	82252	82266
ggc	4	82310	82321
gtg	6	86473	86490
ttg	4	98951	98962
Tetrameric Repeats			
atta	4	803	818
caac	3	1106	1117
taat	3	1782	1793
cctt	4	2063	2078
ggga	3	8001	8012
aatt	3	10637	10648

gata	4	10891	10906
ttat	4	11148	11163
attt	3	30457	30468
aaga	3	52019	52030
attt	3	60498	60509
aatt	3	63838	63849
aatt	3	94556	94567
aaac	3	99237	99248
aatt	3	101663	101674
Pentameric Repeats			
ggcag	4	23567	23586
gtggc	4	37829	37848
gtggc	5	37954	37978
Hexameric repeats			
atatgc	3	2572	2589
tcgttc	3	37629	37646
tcgttc	3	37701	37718
gattag	3	61084	61101
Heptameric Repeats			
Cgagcgg	3	69071	69091

B. List of SSR markers identified from the 100 kb region of *Xa21* locus (*Indica*)

Motif	No. of Repeats	SSR start	SSR end
Monomeric Repeats			
a	7	21212	21219
a	7	21225	21231
a	7	21289	21296
a	7	22800	22807
a	10	22809	22819
a	9	33812	33821
a	9	40408	40417
a	11	40793	40803
a	7	47497	47503
a	7	66721	66727
a	9	67250	67258
a	7	68094	68100
a	7	68102	68108
a	8	69614	69621
a	7	69644	69650
a	7	72073	72079
a	8	72080	72087
a	8	73596	73603
a	7	73627	73633
a	8	76189	76196
a	7	77374	77380
a	10	83713	83722
a	13	96691	96703
a	7	96735	96741
a	9	96743	96751
a	11	97057	97067
a	7	98652	98659
a	12	109122	109133
a	7	109165	109171
a	8	109173	109180
c	17	9520	9536
t	10	23205	23214
t	7	29367	29373
t	8	30180	30187
t	8	30191	30198
t	8	30434	30441
t	8	31127	31134
t	7	33737	33743
t	8	33802	33809

t	7	40785	40791
t	7	46856	46862
t	7	60055	60061
t	8	61072	61079
g	11	85235	85245
g	7	96902	96908
g	7	109334	109340
Dimeric Repeats			
at	5	15007	15016
ta	6	24546	24557
at	5	33338	33347
ta	5	41886	41895
ta	5	94435	94444
ta	9	94770	94787
at	14	100093	100120
ga	5	31176	31185
ag	5	47382	47391
ga	5	59292	59301
ga	5	64668	64677
ga	9	71555	71572
ga	9	75537	75554
ag	6	92324	92335
cg	6	55082	55093
cg	6	59252	59263
Trimeric Repeats			
gcc	4	2082	2093
gcc	4	4314	4325
ggc	4	7906	7917
gcc	5	21702	21716
gcc	4	21825	21836
gcc	4	21895	21906
gcc	4	93191	93202
cgc	8	34159	34182
cgc	4	84263	84274
cga	4	43924	43935
cgg	4	54992	55003
ggc	5	55019	55033
cgg	4	58512	58523
ggc	4	59189	59200
gcg	4	64505	64516
ggc	4	71422	71433
ggc	4	75404	75415
ccg	4	84169	84180
ccg	4	84355	84366
gcc	4	93191	93202
gcg	5	93361	93375
ggc	4	93419	93430
cct	4	84181	84192
cct	4	84211	84222
gtg	6	97962	97979
gtg	6	110395	110412
tga	4	90368	90379
Tetrameric Repeats			
atta	4	9855	9870
tcta	7	11912	11939
atct	4	13059	13074
tcga	4	23739	23754
ttat	4	23994	24009
atct	4	67161	67176
taaa	3	15684	15695
tcga	4	23739	23754
ttat	4	23994	24009
atag	3	30584	30595
aaga	3	52019	52030

atta	3	53527	53538
attt	3	66708	66719
atct	4	67161	67176
aatt	3	70026	70037
aatt	3	74008	74019
aatt	3	106004	106015
Pentameric Repeats			
gcggc	3	64449	64463
Hexameric Repeats			
gattag	3	67267	67284
gccacc	3	93110	93127

Supplementary Table 2. SSRs found in the exonic region of both *indica* and *japonica* 100 kb region of *Xa21* locus

Predicted genes	Motif	No. of Repeats	SSR start	SSR end	Seq. Length (bp)
Osjp02-Hypo_protein-1	tcg	4	83	94	1011
Osjp02-Hypo_protein-2	cga	6	93	110	1011
Osjp03-LRR_protein-2	cgc	8	24	47	4080
Osjp05-Transposon_protein-1	agg	4	182	193	2445
Osjp07-LRR_protein-1	cga	4	124	135	2766
Osjp11-LRR_protein-1	cac	6	39	56	1458
Osjp12-Transposon_protein-2	aac	4	895	906	4875
Osin01-NBS-ARC-3	ggc	4	1054	1065	2772
Osin01-NBS-ARC-4	ggc	4	2050	2061	2772
Osin02-Hypo_protein-2	cgc	4	5	16	627
Osin04-LRR_protein-2	cgc	8	24	47	3111
Osin05-LRR_protein-1	cga	4	178	189	2763
Osin12-LRR_protein-1	cac	6	39	56	1329
Osin14-LRR_protein-2	cac	6	39	56	2943
Osin02-hypo_protein	g	7	507	501	627