

Table S2: The total percentage of TE homologous sequences in symmetric (allelic) and asymmetric (PA, PA_d and AL) genes on chromosome 10.

TE% (length) ^a	Genes in Nipponbare				Genes in 93-11			
	Allelic	PA	PA _d	AL	Allelic	PA	PA _d	AL
0	9(8%) ^b	8(14%)	5(10%)	6(9%)	4(3%)	2(3%)	4(6%)	1(2%)
0-5%	44(37%)	9(16%)	15(31%)	15(23%)	57(45%)	33(49%)	29(40%)	14(30%)
5%-10%	27(23%)	22(39%)	14(29%)	22(34%)	35(28%)	17(25%)	13(18%)	13(28%)
10%-20%	28(23%)	12(21%)	7(14%)	14(22%)	22(17%)	9(13%)	21(29%)	10(22%)
>20%	12(10%)	5(9%)	8(16%)	7(11%)	8(6%)	7(10%)	5(7%)	8(17%)
Total genes	120	56	49	64	126	68	72	46

^a The proportion of TE-related fragments (the total length of all small pieces of TE homologous sequences contained in a gene divided by the length of this gene).

^b The first number is the amount of the genes within each range with its corresponding percentage in brackets.

Table S3: The sequence sizes and numbers of non-alignable regions (insertions) in Nipponbare and 93-11 on chromosome 10.

Nip. insertion length	93-11 insertion length					
	<0bp	0-300bp	300bp-1kb	1kb-5kb	5kb-10kb	>10kb
<0bp	/	6	151	183	56	61
0-300bp	11	4	34	81	19	25
300bp-1kb	151	34	18	47	16	13
1kb-5kb	171	31	16	52	22	25
5kb-10kb	64	11	8	20	15	16
>10kb	59	5	9	23	18	60

Note. The bolded numbers represent the insertions and the others (>1 kb) stand for the non-alignable regions which were used in this study.

Table S4: Primer information for the amplification of gene fragments in Table 3.

NO.	Gene	Length	Reverse primer (5' to 3')
1	OsIFCC009208	832bp	GACAATTCAGGGAGGTTACGG GAGCGAGCAGAAGCAGTGG
2	OsIFCC035754	828bp	AAGGTGAAAGTGTGGAGGAGAT CAGAGGTTGGGGATTTCGTAG
3	OsIFSC047991	1078bp	CATGCGACGAAGGTTGACTA GAGGGAGTGCTTTGGTGTCA
4	OsIFCC019895	859bp	GAACAAGAAGGGGCGGTGAA GCAGGTGTCGCAATGGTGAA
5	OsIFCC035751	831bp	TTACGAGATTCCAAGAGACCAA TCCACCAGAGTTTCCATCAAG
6	OsIFCC035229	1013bp	GTTTTGCGAGTATTGGATGTTG ATTGGATTGTTGGGATTATTGA
7	OsIFCC043050	1001bp	ACAACAAGAGCCCCCATAGC CGTCTCCAACATCGGCATAG
8	OsIFCC045542	986bp	CCATTCTCTGCCTTCCTCTACC TGCTTTTCAGTGTCAACCTCTC
9	OsIFCC023444	917bp	GGATGCTTGGGGTCAGATTT CAGTGCTCATTTCGTCATTGT
10	OsIFCC026523	1062bp	CCCTTCTTTGGTGGCATTCA GGGTGGTTGGGATGAGTGCT
11	OsIFSC046156	782bp	AGGGAGGAGCCATCTTCTATT TTCCGCCTTCACCTAATGTC
12	Os12g31620	708bp	CCTCCGCCACCTGTCTGTAA CGTGCCAAGCCCCTAATGAA
13	Os11g45330	1089bp	GTTGATTTGTGCCGAAGAGA ATGCCACGGAGGTTTATTAGA
14	Os06g16790	928bp	GAGCTTAGGCGGGAGAAATCAC CACCTTTCCAGCCATCCTCTAC
15	Os12g09730	1099bp	ACGAGCAGCGACGAATCAAG GCGAGGAGGGCACACAGAA
16	Os10g04670	1014bp	GTGAGTTGGCGATTGACCTG GATTAGGCAAGTCCCCGAGT
17	Os11g11550	844bp	TTGTTTCCTCGCCTGATGGT AAACGCCAGAGCAGCATCTTA
18	Os12g28250	1004bp	GGCACCTACGCTCCTTGAT TGGCTGTCACTTCAACCTCT
19	Os11g15670	1029bp	TACATTGCCGCTACTGGGAG AAAGGCATTCTTGGGCAGAG
20	Os01g20720	1077bp	GCGGTGTTCTCTGACGATA GTTCTGCCACTCCTGCTGTC
21	Os12g18360	992bp	AATGCACATGATACAACACCACT

22	Os04g41370	942bp	AGCCACGGCAGAGAAAGAAAG AATCACAGACATCCCAGAAGAA GTGCCATCATCCCCATAGAA
23	Os07g29820	1061bp	ACAGATAGGTAGAGCCGAGAA ACAAGTGGGCAGCAACAAA
24	Os02g25900	970bp	AAAGCAGCAGATGAGCCTAAG AGTGGCCGATGATGATGAAG
25	OsIFCC040819	561bp	GGGTGGAGTGGGCAAGACAAC TTGAACGACAGCAGGCGACC
26	Os12g37270	921bp	AGCAACTGGAAGGGAGATAAG AACATCGTGCTCCAATAGCCT
27	Os12g03750	1068bp	GGGAGGCAGTTATTTGATGAG CTGGAAGAATTTGATGGTGAGT
28	Os01g57270	899bp	CAAACAACCTGGAAACACAAC AACTCTGGAACAACGAAACCT
29	Os05g16180	904bp	GCAGATGGTGAGTGGTGTAGTT GCAGGTATCTTGGGAGTTGTT
30	Os08g10430	1060bp	AGCAAGTGCAAGGAGGATAA TGGAGCTTGGGCATTACAC
31	Os01g05490	579bp	TCAGCCCACCTTATGT CACCACCGACGAGAAA
32	Os03g61120	207bp	AGGCTCGTGGTTGTATT CAACATCATTCCTCCA
33	Os05g49760	192bp	TCGTCAGAAAGGTGGTG CCGTGAACAAGCAGAGC
