

Supplementary Table 1. *Candidate genes in the 118 kb target region*

Gene	Description	Transcript information
LOC_Os06g44040	DOMON domain containing protein, expressed	protein length: 881 residues, exon: 1, transcript length: 2945 bps
LOC_Os06g44050	Methyladenine glycosylase family protein, expressed	protein length: 453 residues, exons: 6, transcript length: 1917 bps
LOC_Os06g44060	Phospholipase D. Active site motif family protein, expressed	protein length: 512 residues, exons: 7, transcript length: 2050 bps
LOC_Os06g44100	acetyltransferase, GNAT family protein	protein length: 419 residues, exons: 3, transcript length: 1260 bps
LOC_Os06g44140	Endomembrane protein 70 containing protein, expressed	protein length: 645 residues, exons: 7, transcript length: 2786 bps
LOC_Os06g44144	expressed protein	protein length: 71 residues, exon: 1, transcript length: 537 bps
LOC_Os06g44160	DnaJ domain containing protein, expressed	protein length: 142 residues, exons: 3, transcript length: 861 bps
LOC_Os06g44170	NAD dependent epimerase/dehydratase family protein, expressed	protein length: 363 residues, exons: 5, transcript length: 1373 bps
LOC_Os06g44180	NAD dependent epimerase/dehydratase family protein, expressed	protein length: 358 residues, exons: 5, transcript length: 1370 bps
LOC_Os06g44200	expressed protein	protein length: 482 residues, exons: 3, transcript length: 2103 bps
LOC_Os06g44070	retrotransposon, centromere-specific, putative	protein length: 420 residues, exons: 4, transcript length: 1263 bps
LOC_Os06g44080	ubiquitin family protein, putative, expressed	protein length: 153 residues, exons: 3, transcript length: 832 bps
LOC_Os06g44110	retrotransposon protein, putative, unclassified	protein length: 191 residues, exons: 2, transcript length: 576 bps
LOC_Os06g44120	retrotransposon protein, putative, unclassified	protein length: 141 residues, exons: 2, transcript length: 426 bps
LOC_Os06g44130	retrotransposon protein, putative, unclassified	protein length: 386 residues, exons: 2, transcript length: 1161 bps
LOC_Os06g44150	magnesium transporter CorA-like family protein, putative, expressed	protein length: 436 residues, exons: 5, transcript length: 1631 bps
LOC_Os06g44210	protein phosphatase type-2C, putative, expressed	protein length: 368 residues, exons: 12, transcript length: 1721 bps
LOC_Os06g44090	hypothetical protein	protein length: 103 residues, exons: 3, transcript length: 312 bps
LOC_Os06g44190	hypothetical protein	protein length: 80 residues, exons: 2, transcript length: 243 bps