

Supplementary Table 7. Previously studied function genes containing APA site switching

Gene ID	Gene symbol	Related-function	References
LOC_Os04g57320	OsIM1	alternative splicing	(Kong et al. 2003)
LOC_Os12g19470	OsRBCS4	photosynthesis	(Suzuki and Makino 2012)
LOC_Os02g50350	OsDHODH1	salt and drought tolerance	(Liu et al. 2009)
LOC_Os03g12840	OsITPK2	drought and salt stress responses	(Du et al. 2011)
LOC_Os03g50980	OsSIZ2	stress response and stress adaptation	(Park et al. 2010)
LOC_Os01g62410	OsMYB3R-2	freezing, drought, and salt Stress	(Ma et al. 2009)
LOC_Os03g59040	SQS	associated drought tolerance and yield	(Manavalan et al. 2012)
LOC_Os02g15090	GluD	expressed in the starchy endosperm	(Kawakatsu et al. 2008)
LOC_Os08g32690	SAD1	plant development	(Li et al. 2015)
LOC_Os01g03144	OsABCG1	response to abiotic stress and phytohormone	(Matsuda et al. 2012)
LOC_Os01g48280	OsUBC13	DNA damage	(Zang et al. 2012)
LOC_Os08g45190	PGR5	contributes to the redox homeostasis i	(Nishikawa et al. 2012)
LOC_Os03g40020	YSA	enhance seed purity in hybrid rice production	(Su et al. 2012)
LOC_Os01g25820	Osrboh1	regulation of rice seed vigor	(Liu et al. 2012)
LOC_Os06g39230	OsALDH2B2	rice aldehyde dehydrogenase	(Kotchoni et al. 2010)

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