

Table 2 Functions markers for rice grain shape gene

Marker	Primer Sequence	Type	Polymorphic site	PCR product size (bp)	Reference
SF28F SF28R	F: TGCCCATCTCCCTCG TTTAC R: GAAACAGCAGGCT GGCTTAC	CAPs- <i>Pst</i> I	C/A substitution in Exon-2	136/110	Fan et al., (2009)
lgy3F lgy3R	F: CCTGACAATAATTTCG CCCAATA R: CGTAAGAGAGCACG CACGTA	InDel	InDel between Exon-8 and Intron-9	392	Liu et al., (2018)
GL3F GL3R	F: CGATTCTATCTGGTT CAGTGGTAGA R: CACCGCCGTGTAAG TTCAAC	dCAPs- <i>Acc</i> I	A/C substitution in Exon-10	139/118	Yi et al., (2016a)
NGSP11F 210QCF	F: TGACACGCCACAGT CCAAGACGAGCAGT R: AAGGGAGTTGAGA GTAGAAAAA	InDel	17.1Kb duplication	1421	Wang et al., (2015b)
SLG7F SLG7R	F: CCATACCACATCTCA TCTCAC R: GCTCACGCACATCC AACT	InDel	11bp delete in promoter at -104bp	109/98	Zhou et al., (2015)
CAPS6-1F CAPS6-1R	F: CCACAGCCACAACG AGAAT R: ACCGTTCCGGGTAGG TTATGT	CAPs- <i>Bss</i> H II	1bp delete (G) at 313bp	590/372/217	Wang et al., (2014)
GS9F GS9R	F: CTCGCTTTCTTTACC TATGTTCAAGCCTTC R: GAAACTGTTGCCTT TGCTCTTGCTCT	InDel	7Kb insert	250	Zhao et al., (2018)
GW5-1F GW5-1R	F: AGTACGACCATGAT GTTTCCC R: GACCTAACCCATCT CATTCCA	InDel	1212bp InDel	775	Weng et al., (2008)
GW8-1F GW8-1R	F: AAAGAGACAGCCAC GGAATC R: ATCTTGAGATCCCA CTCCATG	InDel	10bp InDel in promoter	151/141	Yi et al., (2016b)
GW8-2F GW8-2R	F: AGGCGAGATCAGCT TCGTCA R: GCTACCGTCTTCAG AAGTGGC	dCAPs- <i>Hind</i> II	A/C substitution in Exon-3	108/89	
GW8-3F GW8-3R	F: ATGTTCTCCGATGGT GGGTT R: TGAAGGCCAGAGAT GAGAGG	CAPs- <i>Nco</i> I	G/T substitution in Exon-3	164/134	
GS5-1F GS5-1R	F: GCAAGACAAGGAG CAGCACTA R: AGAAGCCGACCCCA ACAG	CAPs- <i>Dde</i> I	CTA/ACC substitution in Exon-2	225/196	Yi et al., (2016c)
GS5-2F GS5-2R	F: CAGTTCTCGGTACT GCGTCGA R: CACAAACCTCCAG CAACC	dCAPs- <i>Sal</i> I	A/C substitution in Exon-9	188/169	