

Supplementary Table 1. Summary of Plant RBPs Identified by Classical Methods

RBP	Role	References
AlSRG1	<i>Abiotic stress response</i>	Ben Saad et al., 2018
APUM5	<i>Repress viral replication</i>	Huh and Paek, 2013b
ARP1	<i>Modulation of transcript levels</i>	Jung et al., 2013
AtBRN1	<i>Control flowering time</i>	Kim et al., 2013
AtBRN2	<i>Control flowering time</i>	Kim et al., 2013
AtGRP7	<i>Modulation of alternative splicing</i>	Schoning et al., 2007
AtGRP8	<i>Modulation of alternative splicing</i>	Steffen et al., 2019
AtRBP45b	<i>RNA stability</i>	Muthuramalingam et al., 2016
AtRZ-1a	<i>Cold stress defense</i>	Kim et al., 2005
AtUSP	<i>RNA chaperoning</i>	Melencion et al., 2017
BTR1	<i>Repress viral replication</i>	Fujisaki et al., 2008
CaPR-10	<i>Cleavage of viral RNAs</i>	Park et al., 2004
CaRBP	<i>Delay flowering</i>	Kim et al., 2016
CmRBP50	<i>Long distance RNA translocation</i>	Li et al., 2011
Dek42	<i>Modulation of alternative splicing</i>	Zuo et al., 2019
DRB4	<i>Repress viral protein accumulation</i>	Jakubiec et al., 2012
FCA	<i>Alternative polyadenylation, transcription termination</i>	Hornyik et al., 2010; Sonmez et al., 2011
FPA	<i>Alternative polyadenylation, release of flowering repression, limit defense response</i>	Hornyik et al., 2010; Lyons et al., 2013
GR-RBP3	<i>RNA chaperoning, cold resistance</i>	Wang et al., 2018
GRP8	<i>Root hair cell determination</i>	Foley et al., 2017
HEN1	<i>RNA stability</i>	Ren et al., 2012
HESO1	<i>RNA stability</i>	Zhao et al., 2012
HPR1	<i>mRNA nuclear export, defense signaling</i>	Pan et al., 2012
MCT1	<i>Modulation of gene expression</i>	Gu et al., 2016
MOS2	<i>Nucleoporin trafficking of RNAs, plant innate immunity</i>	Zhang et al., 2005; Monaghan et al., 2010
MOS3	<i>Nucleoporin trafficking of RNAs</i>	Zhang et al., 2005; Monaghan et al., 2010
MOS11	<i>Nucleoporin trafficking of RNAs</i>	Germain et al., 2010; Monaghan et al., 2010
MOS12	<i>Splicing of resistance genes</i>	Xu et al., 2012
MpGR-RBP1	<i>Germination, salt stress resistance</i>	Tan et al., 2014
MtNSR1	<i>Modulation of splicing</i>	Campalans et al., 2004
PPR10	<i>RNA stability</i>	Pfalz et al., 2009
RBP50	<i>Long distance RNA translocation</i>	Ham et al., 2009
RBP-L	<i>Subcellular trafficking of mRNAs</i>	Tian et al., 2018; Tian et al., 2020
RBP-P	<i>Subcellular trafficking of mRNAs</i>	Tian et al., 2018; Tian et al., 2020

SARs	<i>Nucleoporin trafficking of RNAs</i>	Parry et al., 2006
SDP	<i>RNA chaperoning, stress resistance</i>	Han et al., 2015
SERRATE (SE)	<i>Inhibition of root hair cell determination, RNA stability</i>	Foley et al., 2017
UIP1	<i>Mediation of RNA decay, abiotic stress resistance</i>	Park et al., 2013