

**A**

Hvpp	HVTKVRSCGGGKTPMDGYR	WRKYGQK	FIKNNPHRSYYK	TSARC	SAKKHVEKSTDDPEMLIVTYEGS	HLHGPPQ	----210
HvWRKY36	HVTKVRSCGGGKTPMDGYR	WRKYGQK	FIKNNPHRSYYK	TSARC	SAKKHVEKSTDDPEMLIVTYEGS	HLHGPPQ	----96
TaWRKY49	HTTKVRGCGGGK-TPMDGYR	WRKYGQK	FIKNNPHRSYYK	TSARC	SAKKHVEKSTDDPEMLIVTYEGS	HLHGPPQ	----210
TuWRKY49	HTTKVRSCGGGK-TPMDGYR	WRKYGQK	FIKNNPHRSYYK	TSARC	SAKKHVEKSTDDPEMLIVTYEGS	HLHGPPQ	----200
OsI_04396	YTSKVRSCGGKM-PADGYK	WRKYGQK	SIKNNPHRSYYK	TSSRC	SAKKHVEKSTDDPEMLIVTYEGS	HHGPPQLLPP	209
SbSORBIDRAFT_03g039550	YTTKVRSCGGKT-PSDGYK	WRKYGQK	SIKNNPHRSYYK	TSSRC	GAKKHVEKSTDDPEMLMVTYEGP	HLHGPPQ	----222
GhWRKY21	YTLKVRSCGNGM-ADDGYK	WRKYGQK	SIKNSPNRSYYK	TNPRC	NAKKQVEKSRDEADTLIIITYEGL	HLHFVDP	----174
GhWRKY98	YTLKVRSCGNGM-ADDGYK	WRKYGQK	SIKNSPNRSYYK	TNPRC	NAKKQVEKSRDEADTLIIITYEGL	HLHFVDP	----174
TcWRKY49	YTLKIKCCGNGM-ADDGYK	WRKYGQK	SIKNSPNRSYYK	TNPRC	SAKKQVERSRDDPDTLIIITYEGL	HLHFYP	----273
PtPOPTR_0006s08730g	YTLKLRKCGDM-ADDGYK	WRKYGQK	SIKNSPHRSYYK	TNARC	SAKKQVERCEDPDTLIVTYEGL	HLHYTP	----175

**B**

OsWRKY64	---DSVSLETPVPHYDGHQ	WRKYGQK	HINNSKHPRSYRC	TYRQEEK	CKATKTVQQREDLHDHPVMYTVVYGG	HTCCKGPVAS	-ADDHVVEASQ-233	
Os12g0116700	DSVSLETPVPHYDGHQ	WRKYGQK	HINNSKHPRYV	IRHS	-----	-----	-----172	
OsWRKY40	-----HYDGHQ	WRKYGQK	HINKSKHPRSYRC	TYRQEEK	CKATKTVQQREDLHNGDHPIMYTVVYGG	HTCCKGPAAL	-ADDHVVEA- 232	
TaWRKY62	DSVALETPVPHYDGHQ	WRKYGQK	INHTKHPRSYK	TYKQDQC	RATKTVQQQDAVGDDDPAMYTVVYGG	HTCKPG	---QTDAAVVETA 163	
OsWRKY	--HTGSTVAQAPHNDGHQ	WRKYGQK	WISRAKHSRSYRC	ANSKVQGC	PATKTVQQDSSG	---SKLFNVDYDQ	HTCRGDG---IADPYVVD- 183	
OsJWRKY	HTGSTVAQAPHNDGHQ	WRKYGQK	WISRAKHSRSYRC	ANSKVQGC	PATKTVQQDSSG	---SKLFNVDYDQ	HTCRGDG---IANPYVVDTA137	
TcWRKY70	-----DDGHA	WRKYGQK	VILNAKHPRNYRC	THKHDQCC	QATKQVQI	IEDD	---PPKYGTYYGH	HTCKNLKASQLILDS-TSK 204
MeWRKY18	-----	WRKYGQK	VILNAKHPRNYRC	THKFDQCC	QATKQVQRIEDE	---PPMYRTYYGH	HTCKNLVKPCHFLDASDDA 221	
MtWRKY	-----	WRKYGQK	KILHTDFPRNYRC	THKHDQCC	KATKQVQI	QED	---PPLYKTTYAH	HTCR-ILQSSEIIMDSPCDQ 210
AetWRKY55	---RSLVTNVPHYDGHQ	WRKYGQK	NINGRQHARSYRC	TYT-ERNCS	SATKTVQQDQDGGSSIYSADAGEDQGAKYTVVYGD	HTCKASDN	-IS 270	