

	10	20	30	40	50	60	70	80	
BpWRKY18				MVLLQVIEGE		KEKRETYNGADV	DYKAP		VSVQTS
BpWRKY23	---	MAGIDDDNA	AIIGDWVPPTPNRT	FFSAMLDDIGSRPLS	PPSSNTTE	LFILGP	EPMLSGNTNVN	NNNGT	S
BpWRKY36			MAQTQSSSTELSE	RLSSSGDDPG	GRPGTG	SSNSAARYKL	MSPAKLPI	SRAPCI	TIPPGLSPT
BpWRKY38			MAEREEPPPRST	SSSSSQASKSMAY	NLPSRPTISL	PPRSMETVFN	GGGGPAM	NGLGF	SPG
BpWRKY46			MAKKDDYGRVSAP			APARPTITLPPR	PSMETLFT	GGAG	ASPG
BpWRKY51	MASSSGSLDTSAN	SHPT	SFTFSTHFFMST	SFSDLLASS	YDDE	SNNNVNTNTQNKQ	FRGLSDR		IADR
BpWRKY54				MVTSG					
BpWRKY55			MSENESEF	ALRVENPKPP	E	E.EE.EDEEEE	EEES	SED	
BpWRKY61				TSFTDLLSG		NDNMDSSMAIS	WGYSDQ		KTDRIG
BpWRKY62			MDIKEAERIVIAK	AP		VASRPTCSS			

	90	100	110	120	130	140	150	160	
BpWRKY18		MDFEFPT	TELP		KANATKNC	AVDLSAEVK			V
BpWRKY23		LS	DKF	D	DSFSEHKSSSRAGL	VERMAARAG	FNAPRLNTQG	RSADMSSNS	DIRSPYLTI
BpWRKY36	SFLES	PVLLSNN				MKAEPSP	TGSFLK	TQG	HGHGGSAP
BpWRKY38	PMTLLSS	FSD			TD	CRSFSQLLAGAM		PAAIP	SQQRQ
BpWRKY46	PMTLVSS	FSDN			YADG	DSRSFSQLLAGAMA		PLARPS	FAENSTD
BpWRKY51		SGVPKFKS	ITP			PSLP	SPP	SP	SYFAIP
BpWRKY54						EC	PDEVAS	DELQQR	QIAGD
BpWRKY55						EEEEEE	DEVGGLQ	VG	FRGS
BpWRKY61		DEL	PKFKS	QP		PSLP	FSPAP	SP	SYFAIS
BpWRKY62						FRSFS	ELLA	GATD	ASPSN

	170	180	190	200	210	220	230	240	
BpWRKY18	FKN		MGMNGC		IDLQIHSD	LIAND			
BpWRKY23		LSNSLA	AQSPPTTCKFP		FIP	D	RSMT	ISEAP	RSK
BpWRKY36		SERN	SNCFEFKPI	ATSNMVPADL	HWRI	EQSM	VQQR	QPQAFVSSP	
BpWRKY38		GAGDDDFR		FRQNR	PPIFTVPQ	LSPAGL	DSPGLFSP	GGG	
BpWRKY46		GSGFKQSR	PMNLMVARSP	MTIPP	LSPSGL	NSPGFFPPQ	GDMG	GIWWQM	VSLRNA
BpWRKY51		LL	SCN	ILPSP	TGTFPSQGF	EWKS	SCNNRM	NVKQE	KNYSDFS
BpWRKY54		SPQNP				DYEIRAKQL	Q	ANMPSS	
BpWRKY55		QLSE	ENGLQG	NSTSKLV	GGAELKDK	GESQ	IVVLAS	VTAQPV	AQT
BpWRKY61		PSHF	SNLASPTT	CAFAGEAF	NRMS	SAENQ	GVKGEEK	FSSDFS	
BpWRKY62		RPK	TVRFKP	MVNF	APAGLVSSQA	EISG	TAVCNSSD	KVSKF	S

	250	260	270	280	290	300	310	320	
BpWRKY18							QKSLP		
BpWRKY23				TTS	FAFRP	VAEPGS	SFFFG	ASSK	MTPTTLP
BpWRKY36							SVK	EVAVSSSELS	LSA
BpWRKY38								PFGM	THQQ
BpWRKY46	IDFEVQ	ILLTNN	AKDIDQ	IQFPLDSQ	DRLSHFFKLCQI	Y	IVP	ISKELE	SWKDV
BpWRKY51							FRT	NRP	LSSSTNFQSS
BpWRKY54								V	EKSSQVPDAA
BpWRKY55								KNQFQFS	VCPTSSSEL
BpWRKY61								FQP	TKPAAISSTVFQSS
BpWRKY62								KSTV	LYKPLAKLVSKT

	330	340	350	360	370	380	390	400	
BpWRKY18						KGPI	HGEDVETN	HLLEGDLKGSYPST	GTVR
BpWRKY23	SLQ	SVEPTKV	QTQNRSS	LPQADF	SRSC	TEKDNG	ANTV	LADQRAYDAVG	GSTE
BpWRKY36	PVN	MVTSG				ASAPTE	VDSDEL	NNR	TSNTGFQTSQS
BpWRKY38	ALA	QVTAHAAQAN	SHMHV	EPHYSSS	ISAAPATSLT	QLP	AFSTNATAH	QQVP	SVPNSSVAMNESSDVSHSDQR
BpWRKY46	ALA	QVTAQAAL	AQSHIHM	QTEYQ	PSSVAAPT	ESLTHN	PSYTLNCASQQQMA	STSDPRSSM	MESSEASHADRKYQPPS
BpWRKY51	NTI	QTSQ		QQCAWTFQ	EPTRQDD	FSSGKSMVKTE	FGSMQSYSP	EFAP	IQNTQTQD
BpWRKY54	VPT	MQSDQ				EGRTSS	IVSE	LS	QAP
BpWRKY55	SPT	SVTQP				ISSLP	SPPTLPEQRL	SQAKSNNE	ECVPKKDQQNS
BpWRKY61	SNM	SAEES	FKRQ	QGAWN	FSKPTD	QTEFSM	EKVEVKA	E	FAP
BpWRKY62	TVS	LLANM	GNFNTS	QQQLQPSV	EASVQYPNQDKQ	NFRSQIT	SNLHQNIP	SHVETNQT	GPPKIASQN

	410	420	430	440	450	460	470	480	
BpWRKY18		AL	EDRYN	WRKYGQKQVKG	SEYPRSY	YKCTH	ANCQVKKK	VERSHDGQ	ITEITYKG
BpWRKY23	G	GAQS		G			NS	P	
BpWRKY36		PSD	G				P	E	LF
BpWRKY38	TV	DNPAAGF					P	P	

[illegible]

	890	900	910	
BpWRKY18	E Q K D D S L Y D A C L P T V D H G N V T S S L Y H Q V M G R F P P	599		
BpWRKY23	. P . A E P M S E P G . N L S N G T . V . Q H I . S . L . L G P Q M	752		
BpWRKY36	N G S Y P F P Q N M G K I L T G P	575		
BpWRKY38		540		
BpWRKY46		615		
BpWRKY51	. P R . . M F L E S L . A	598		
BpWRKY54	. G S . T V C L . M V G C S	456		
BpWRKY55	M E S A R T . L S I G F E . K P C	503		
BpWRKY61	. P . N T F F . S F . S E D Y	550		
BpWRKY62		477		