

Supplemental Figure S1. Position and pattern of introns within the basic and hinge regions of the bZIP domains of the OsbZIP transcription factors.

<u>OsbZIP No.</u>	<u>Protein</u>	BASIC REGION	HINGE	<u>Pattern of introns</u>	
		←-----→			
OsbZIP02	RISBZ4	---TVDPKRVKR	ILANRQSAQRSRVKQLQYISEL		
OsbZIP06		---IRDPKRVKR	ILANRQSAQRSRVKQLQYISEL		
OsbZIP15		---PLDVKRVRR	MVSNRESARRSRKRKQAHLADL		
OsbZIP18		---DKEHKRLKR	LLRNRVSAQQARERKKAYLNLDL		
OsbZIP19		---IADPKRVKR	ILANRQSAQRSRVKQLQYISEL		
OsbZIP20		RITA-1	---PLDVKRMRR	MVSNRESARRSRKRKQAHLADL	
OsbZIP25		---LADPKRVKR	VLANRQSAARSKERKMRYIAEL		
OsbZIP30		RF2b	---AIDPKRAKR	ILANRQSAARSKERKARYITEL	
OsbZIP33		REB	---PADQLQRR	KQSNRESARRSRKAAHLNEL	
OsbZIP35		---LTDPRRVKR	ILNNRASATKSKEKKMKHVGEEL	a	
OsbZIP36		---LVDPKRAKR	ILANRQSAARSKERKMRYIAEL		
OsbZIP48		---DKEHRRLKR	LLRNRVSAQQARERKKAYMSEL		
OsbZIP50		---DDPMSKKKR	QMRNRDSAMKSREKKMYVKDL		
OsbZIP52		RISBZ5	---STETKRIRR	MVSNRESARRSRKRKQQLSEL	
OsbZIP58		RISBZ1	---DEEDKVKKR	KESNRESARRSRKAAHLKDL	
OsbZIP61		---AIDPKRAKR	ILANRQSAARSKERKARYITEL		
OsbZIP68		---LTDPKRVKR	ILANRQSAARSKERKMRYIQEL		
OsbZIP75		RF2a	---LVDPKRAKR	ILANRQSAARSKERKMRYIAEL	
OsbZIP76	---LSDPKVKR	VLCNRRSAARSKERRLNYKLEL			
OsbZIP78	---LADPKRVKR	VLANRQSAARSKERKMRYIAEL			
OsbZIP81	---LLDPKRAKR	ILANRQSAARSKERKIKYTSEL			
OsbZIP84	---LIDPKRAKR	ILANRQSAARSKERKIKYTSEL			
OsbZIP05	OSBZ8	---DKESKRERRKQSNRESARRSRLRKQ	AEETEEL		
OsbZIP09		---KLMERRQKRMKKNRESAARSARKQ	AYTNEL		
OsbZIP10		---KTVERRQRRMIKNRESAARSARKQ	AYTVEL		
OsbZIP12		---RAAMQRQKRMKKNRESAARSREKQ	AYIAEL		
OsbZIP13		---ERELKKQKRKQSNRESARRSRLRKQ	AECEEL		
OsbZIP17		---TPDAKTLRRLAQNREAAARKSRLRKK	AYIQNL		
OsbZIP23		---KVVERRQRRMIKNRESAARSQRKQ	AYMMEL		
OsbZIP26		---ERELKRQKRKQSNRESARRSRLRKQ	AEWEEV		
OsbZIP29		---KTVERRKRMKKNRESAARSARKQ	AYTNEL		
OsbZIP34		---ERELKRERRKQSNRESARRSRLRKQ	ERPTSFCHPPNYPVTFYGLTNQECEL		
OsbZIP40		---RAAMQRQKRMKKNRESAARSREKQ	AYIAEL		
OsbZIP42		---KLVERRQKRMKKNRESAARSARKQ	AYTNEL	b	
OsbZIP45		---ERELKREKRKQSNRESARRSRLRKQ	AEATEDL		
OsbZIP46		---KVVERRQRRMIKNRESAARSARKQ	AYIMEL		
OsbZIP49		---TPDPKTLRRLAQNREAAARKSRLRKK	AYIQQL		
OsbZIP54		---SGDDRRTIRMMRNRESALRSRARKR	AYVEEL		
OsbZIP55		---SGDDRRTIRMMRNRESALRSRARKR	AYVEEL		
OsbZIP56		---SGDDRRTIRMMRNRESALRSRARKR	AYVEEL		
OsbZIP59		---ERELKRERRKQSNRESARRSRLRKQ	QECEEL		
OsbZIP62		---KTVERRQKRMKKNRESAARSARKQ	AYTNEL		
OsbZIP66		TRAB1	---KVVERRQRRMIKNRESAARSARKQ	AYTMEL	
OsbZIP72		---KVVERRQRRMIKNRESAARSARKQ	AYTLEL		
OsbZIP80		OsZIP-2a	---EKEAKRLRRVLANRESARQTILRRQ	AIRDEL	
OsbZIP86		OsZIP-1a	---ERELKRQRRKQSNRESARRSRLRKQ	AECEEL	
OsbZIP03		OsZIP-1b	---HEDQK	TLRRLAQNREAAARKSRLRKKAYVQQL	
OsbZIP08			---KLDHK	TLRRLAQNREAAARKSRLRKKAYIQNL	
OsbZIP11			---SVDAK	TLRRLAQNREAAARKSRLRKKAYVQNL	
OsbZIP28			---PMDQK	TLRRLAQNREAAARKSRLRKKAYVQQL	
OsbZIP37			---KPPDK	TLRRLAQNREAAARKSRLRKKAYIQQL	
OsbZIP41			---LLDAKT	TLRRLAQNREAAARKSRLRKKAYVQQL	
OsbZIP43	---DKNIRM		TLRRLAQNREAAARKSRLRKKAYVQQL		
OsbZIP63	---LMDQK		TLRRLAQNREAAARKSRLRKKAYVQQL		
OsbZIP64	---KPRDK		TLRRLAQNREAAARKSRLRKKAYIQNL		
OsbZIP70	---TLDPK		TLRRLAQNREAAARKSRLRKKAYIQQL		
OsbZIP74	---ERDPK		TLRRLAQNREAAARKSRLRKKAYIQQL		
OsbZIP79	---KALDPK		TLRRLAQNREAAARKSRLRKKAYIQQL		
OsbZIP83	---KTLPK		TLRRLAQNREAAARKSRLRKKAYIQQL	c	

OsbZIP47 ----RGDQKMQRRRLAQNREAAARKSRMRKKAYIQQL
 OsbZIP82 -----EADTKRAKQRYAQRSRVRKLQYIAEL
 OsbZIP21 -----EKSLKR RSGQSRVRKLQYIADL

 OsbZIP01 ----DKEQNRLKRLLRNRFVSAQQARERKKAYMTEL
 OsbZIP04 ----VMEERKKRKESNRLSAQRSRARKQQQLDEL
 OsbZIP07 ----EELRKTTRKPLGNREAVRKYREKKKAHA AFL
 OsbZIP14 ----LMEQRRAKRMLSNRESARRSRMRKQRHLDDL
 OsbZIP16 ----GNDERKKRRLVSNRESARRSRVRKQRRLDEL
 OsbZIP22 ----LAEERRRRRMI SNRESARRSRMRKQQLSEL
 OsbZIP24 ----EEEEKKTIRMMKNRESALRSRARKRAYVQEL
 OsbZIP27 ---AEEERQRNRKRSNRLSAQRSRIKKQYVDGL
 OsbZIP31 ----DADERLRRKISNRESARRSRARKQRHLDEL
 OsbZIP32 ---EEEEERRQRKVSNRLSARRSRARKQRLEEL
 OsbZIP38 ---GADERKKRMLSNRESARRSRARKQRLEEL
 OsbZIP39 ----EEDERRAARLMNRRESAQLSRQKKRYVEEL
 OsbZIP44 ----KEDLTKTRRPLGNREAVRKYREKKKAHA AFL
 OsbZIP51 ----RRDERKERRLASNRESARRSRVRRRQLDEL
 OsbZIP53 --SPTENNASKKRPSGNRAAVRKYREKKKAHTASL
 OsbZIP57 ----EERRRRLRKKISNRESARRSRARRQRVEEL
 OsbZIP60 ----DDEAKRRARLVNRRESAHQSRQRKKQYVEEL
 OsbZIP65 ----QMDLKRKRKESNRESAKRSRLRKQHLDDL
 OsbZIP67 ----AEEERRRRRMVSNRESARRSRMRKQRQSEL
 OsbZIP69 ----GGVERRKRKRAMKNRESAERSRARKQAYLQEL
 OsbZIP71 ----QMEKKRKRKESNRESARRSRMRKQHLDEL
 OsbZIP73 ----AEEERRRRRMI SNRESARRSRMRKQRQSEL
 OsbZIP77 ----AAGDRRKRMIKNRESAARSRARKQARVNNL
 OsbZIP85 -----NKLLP'TTHFRQYQRSRVRKLQYIAEL
 OsbZIP87 ---AADHRREKRRLSNRESARRSRLRKQHLDEL
 OsbZIP88 EDTDPVNAKRTRRMLSNRESARRSRKRKQAHNLNDL
 OsbZIP89 --ADEERRRRLRRI SNRESARRSRARKQRHLDEL

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