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SiH2B.1		A	P	K	
ZmH2B.13		A	P	K	
SiH2B.5		A	P	K	
SiH2B.6		A	P	K	
SbH2B.2		A	P	K	
ZmH2B.6		A	P	K	
ZmH2B.12		A	P	K	
ZmH2B.7	.....	A	P	K	.....
SbH2B.4	.....	A	P	K	.....
ZmH2B.5	.....	A	P	K	.....
SbH2B.8	.....	A	P	K	.....
SbH2B.6	.....	A	P	K	.....
SbH2B.11	.....	A	P	K	.....
ZmH2B.1	.....	A	P	K	.....
ZmH2B.5	.....	A	P	K	.....
SiH2B.3	.....	A	P	K	.....
SiH2B.7	.....	A	P	K	.....
SbH2B.7	.....	A	P	K	.....
ZmH2B.3	.....	A	P	K	.....
SiH2B.9	.....	A	P	K	.....
ZmH2B.2	.....	A	P	K	.....
SbH2B.10	.....	A	P	K	.....
SbH2B.9	.....	A	P	K	.....
SbH2B.3	.....	A	P	K	.....
OsH2B.1	.....	A	P	K	.....
OsH2B.2	.....	A	P	K	.....
OsH2B.3	.....	A	P	K	.....
OsH2B.4	.....	A	P	K	.....
OsH2B.5	.....	A	P	K	.....
OsH2B.9	.....	A	P	K	.....
SbH2B.1	.....	A	P	K	.....
ZmH2B.10	.....	A	P	K	.....
ZmH2B.11	.....	A	P	K	.....
SiH2B.4	.....	A	P	K	.....
SiH2B.8	.....	A	P	K	.....
OsH2B.6	.....	A	P	K	.....
SbH2B.8	.....	A	P	K	.....
ZmH2B.4	.....	A	P	K	.....
ZmH2B.9	.....	A	P	K	.....
OsH2B.10	.....	A	P	K	.....
SbH2B.12	.....	A	P	K	.....
OsH2B.7	.....	A	P	K	.....
AtH2B.1	.....	A	P	R	.....
AtH2B.6	.....	A	P	R	.....
AtH2B.10	.....	A	P	K	.....
AtH2B.7	.....	A	P	K	.....
AtH2B.3	.....	A	P	K	.....
AtH2B.4	.....	A	P	K	A
AtH2B.8	.....	A	P	K	A
AtH2B.5	.....	A	P	K	.....
AtH2B.9	.....	A	P	K	.....
SiH2B.10	.....	A	L	K	.....
BbH2B.1	.....	A	P	K	.....
BbH2B.2	.....	A	P	K	.....
BbH2B.3	.....	A	P	K	.....
BbH2B.4	.....	A	P	K	.....
BbH2B.5	.....	A	P	K	.....
OsH2B.8	MSQRIHFLSRCQFESSQPLDPGV	V	P	K	.....
AtH2B.2	.....	A	P	R	K...PKVSVTKKKKKVVEETIKVT..VTEEGDP.....CVITETANDQETQDLTFSIPVGENVTT
BbH2B.6	.....	A	P	R	K.....
OsH2B.11	.....	A	P	K	Q...KEAANKKKKKKEVAVLVKTKTKVV.....QLTTT
SiH2B.2	.....	A	P	K	RRSSGKVVGSVVKTQVETVEVTTAIVADGEPEQQLAPGALALAPRTGEVSRSKVVHVEITTPDSDNITG

		10	20	30	40
SiH2B.1		AEKKPPAAKKP	AEPEPAEKAAPAE	KAP	AGKKPKAEKR
ZmH2B.13		AEKKPPAAKKV	AEPEPSEKAAPAE	KAP	AGKKPKAEKR
SiH2B.5		AEKKPPAAKKP	AEPEPA	AEKAP	AGKKPKAEKR
SiH2B.6		AEKKPPAAKKP	AEPEPATEK	AEKAP	AGKKPKAEKR
SbH2B.2		AEKKPPAAKKP	AEPEPATEK	AEKAP	AGKKPKAEKR
ZmH2B.6		AEKKPPAAKKP	AEPEPA	AEKAP	AGKKPKAEKR
ZmH2B.12		AEKKPPAAKKP	AEPEPA	AEKAP	AGKKPKAEKR
ZmH2B.7		AEKKPPAAKKP	AEPEPA	AEKTT	AGKKPKAEKR
SbH2B.4		AEKKPPAAKKP	AEPEPA	AEKAP	AGKKPKAEKR
SbH2B.5		AEKKPPAAKKP	AEPEPA	AEKAP	AGKKPKAEKR
ZmH2B.8		AEKKPPAAKKP	AEPEPA	AEKAP	AGKKPKAEKR
SbH2B.6		AEKKPPAAKKP	AEPEPA	AEKAP	AGKKPKAEKR
SbH2B.11		AEKKPPAAKKP	AEPEPSTEK	AEKAP	AGKKPKAEKR
ZmH2B.1		ADKKPPAAKKP	AEPEPATEK	AEKAP	AGKKPKAEKR
ZmH2B.5		AEKKPPAAKKP	AEPEPATEK	VEKAP	AGKKPKAEKR
SiH2B.3		AEKKPPAAKKP	AEPEPA	AEKAP	AGKKPKAEKR
SiH2B.7		AEKKPPAAKKP	AEPEPAAEK	AEKAP	AGKKPKAEKR
SbH2B.7		AEKKPPAAKKP	AEPEPAAEK	AEKTP	AGKKPKAEKR
ZmH2B.3		AEKKPPAAKKP	AEPEPATEK	AEKAP	AGKKPKAEKR
SiH2B.9		AEKKPPAAKKP	AEPEPAAEK	AEKTP	AGKKPKAEKR
ZmH2B.2		AEKKPPAAKKP	AEPEPAA	PAEKAP	AGKKPKAEKR
SbH2B.10		AEKKPPAAKKL	AEPEPA	AEKAP	AGKKPKAEKR
SbH2B.9		AEKKPPASKKP	AEPEPSEKAAPAE	KAP	AGKKPKAEKR
SbH2B.3		AEKKPPAAKKP	VEEESAA	PAEKPP	AGKKPKAEKR
OsH2B.1		AEKKPPAAKKP	AEPEPAAEK	AEKAP	AGKKPKAEKR
OsH2B.2		AEKKPPAAKKP	AEPEPAAEK	AEKAP	AGKKPKAEKR
OsH2B.3		AEKKPPAAKKP	AEPEPAAEK	AEKAL	AGKKPKAEKR
OsH2B.4		AEKKPPAAKKP	AEPEPAAEK	AEKAP	AGKKPKAEKR
OsH2B.5		AEKKPPAAKKP	AEPEPAAEK	AEKAP	AGKKPKAEKR
OsH2B.9		AEKKPPAAKKP	AEPEPA	AEKAP	AGKKPKAEKR
SbH2B.1		AEKKPPAEKKP	AAEEK	AEKAP	AGKKPKAEKR
ZmH2B.10		AEKKPPAEKKP	AAEEK	AEKTT	AGKKPKAEKR
ZmH2B.11		AEKKPPAEKKP	AAEEK	AEKTT	AGKKPKSEKR
SiH2B.4		AEKKPPAEKKP	AEKK	AEKAP	KAEEKPKAEKR
SiH2B.8		AEKKPPAEKKP	AEKK		ADKKPKAEKR
OsH2B.6		AEKKPPAEKKP	VEEK		AEKKPKAEKR
SbH2B.8		AEKKPPAEKKP	AEKK		AEKKPRAEKR
ZmH2B.4		AEKKPPAEKKP	AEKK		AEKKPRAEKR
ZmH2B.9		AEKKPPAEKKP	TEEK		AEKKPRAEKR
OsH2B.10		AEKKPPAEKKP	AEKKA	GEKAP	AGKKPKAEKR
SbH2B.12		AEKKPPAEKKP	AAEEK	APKAA	EKKPPKAEKR
OsH2B.7		AEKKPPAEKKP	AAEGEKS	AEKAP	AGKKPKAEKR
AtH2B.1		AEKKPPAEKKT	AAERPVEENKA	AEKAP	AEKKPKAGKK
AtH2B.6		AEKKPPAEKKP	AAEKPVVEEKSKA	AEKAP	AEKKPKAGKK
AtH2B.10		AEKKPPAEKKP	ASEKPVVEEKSKA	AEKAP	AEKKPKAGKK
AtH2B.7		AEKKPPAEK	AEKPVVEEKSKA	AEKAP	AEKKPKAGKK
AtH2B.3		AGKKPPAEKKP	AEKAPAEEEKV	AEKAP	AEKKPKAGKK
AtH2B.4		AEKKPPAEKKP		AGKAP	AEKLPKAEKK
AtH2B.8		AEKKPPAGKKP		AEKAP	AEKLPKAEKK
AtH2B.5		AEKKPPSEK			APKADKK
AtH2B.9		AEKKPPAEKAP			APKAEKK
SiH2B.10		AEKKPPAGEE		EEEMP	AGKKPKAEKR
BbH2B.1		AEKKPPAKKVA			
BbH2B.2		AEKKPPAKKVA			
BbH2B.3		AEKKPPAKKVA			
BbH2B.4		AEKKPPAKKVA			
BbH2B.5		AEKKPPAKKVA			
OsH2B.8		AEKKPPAEKKP	AE		
AtH2B.2	VEIPVEVP	DERSLPVGENVITTVKIPVDDRDESSPQ	PPETPVVVRD	EPSPQPPETP	ASKSEGT
BbH2B.6				VAQKT	APRSAST
OsH2B.11	TAELELEPTVTV	...QVDDNKTGAAADET	PPVVPTQSOE	TQDP	NEPKAAAA
SiH2B.2	RSSAKQQPTAKRGRGGRRREEKKPPAPAEAAQEPFPQ	SLETQEPNEEEEEDVDVSKKRRKKPPQORR	RDEE	EPETPRVASE	RKTAGTKT

	50	60	70	80	90	100	110
SiH2B.1	LPAGK.SAGKE..GGD..K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.13	LPAGK.SAGKE..GGD..K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SiH2B.5	LPAGK.SAGKE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SiH2B.6	LPAGK.SAGKE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SbH2B.2	LPAGK.SAGKE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.6	VPAGK.SAAKE..GGEG.K..RGKKK	..	GKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.12	VPAGK.SAGKE..GGEG.K..RGKKK	..	GKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.7	VPAGK.SAGKE..GGEG.K..RGKKK	..	GKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
LPAGK.SAGKE..GGD..K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI	
SbH2B.5	LPAGK.SAGKE..GGD..K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.8	LPAGK.SAGKE..GGD..K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SbH2B.6	LPAGK.SAGKE..GGD..K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SbH2B.11	LPAGK.SAGKE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.1	LPAGK.SAGKE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.5	LPAGK.S..KE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SiH2B.3	LPAGKSSAGKD..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SiH2B.7	LPAGKSSAGKD..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SbH2B.7	LPAGKSSAGKD..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.3	LPAGK.SG..AGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SiH2B.9	LPAGK.SAGKD..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.2	LPAGK.SAGKD..GGVD.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SbH2B.10	LPAGK.SAGKEG..GGEG.K..RGKKK	..	GKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SbH2B.9	LPAGKSSAGKD..GGEG.K..KGKKK	..	GKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SbH2B.3	LPAGK.SASKE..GGEG.K..RGKKK	..	GKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
OsH2B.1	LPAGK.AEKGS..GEGRK..AGRKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
OsH2B.2	LPAGK.AEKGS..GEGKK..AGRKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
OsH2B.3	LPAGK.AEKSS..GEGKK..AGRKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
OsH2B.4	LPAGK.GEKG..GEGKK..AGRKK	..	GKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
OsH2B.5	LPAGK.GEKG..GEGKKDR..AGRKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
OsH2B.9	LPAGK.GEKG..AGGKK..AGRKK	..	GKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SbH2B.1	LPASK.SSGKE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.10	LPASK.SSGKE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.11	LPASK.SSGKE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SiH2B.4	LPAS...KE..GGD..K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SiH2B.8	VPGS...GKE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
OsH2B.6	VPGAK...EG..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SbH2B.8	VPG...KE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.4	VPG...KE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
ZmH2B.9	VPG...KE..GGEG.K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
OsH2B.10	LPASKGEKG..GKK..E..RGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SbH2B.12	LPSSK.DGGG..GGG..K..KGKKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISAAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
OsH2B.7	LPASK.ASSKE..GGAGDK..KGRKK	..	AKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
AtH2B.1	LP...PKE..AGD...KKKKR	..	SKKNVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
AtH2B.6	L...PKEAGAGD...KKKKM	..	KKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
AtH2B.10	L...PKEAGAGD...KKKKM	..	KKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
AtH2B.7	L...PKEAGAGD...KKKKM	..	KKKSVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
AtH2B.3	L...PKEAVTGGV..E..KKKKR	..	VKKSTETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
AtH2B.4	I...SKDA..GGS..E..KKKKK	..	SKKSVETTKIYIFKVLKQ	VHPDV	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
AtH2B.8	I...TKE..GGS..E..KKKKK	..	SKKNIETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
AtH2B.5	I...TKE..GGS..E..ERKKK	..	TKKSTETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
AtH2B.9	I...AKE..GGTS.EIV..KKKKK	..	TKKSTETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFIN	DIFEKLAABAAKTARYNKKPTI
SiH2B.10	LPA...SRE..GGK..E..KGKKK	..	AKKGVETTKIYIFKVLKQ	VHPDI	GISSKAM	SIMNSFTN	DIFEKLAABAAKTARYNKKPTI
BbH2B.1	...AKA...GGA...KKRKL	..	SKH..ETTKIYIYKVLKQ	VHPDT	GISSKAM	SILNSFIN	DIFEKLAABAAKTARYNKKPTI
BbH2B.2	...AKA...GGA...KKRKL	..	SKH..ETTKIYIYKVLKQ	VHPDT	GISSKAM	SILNSFIN	DIFEKLAABAAKTARYNKKPTI
BbH2B.3	...AKA...GGA...KKRKP	..	SKH..ETTKIYIYKVLKQ	VHPDT	GISSKAM	SILNSFIN	DIFEKLAABAAKTARYNKKPTI
BbH2B.4	...AKA...GGA...KKRKP	..	SKH..ETTKIYIYKVLKQ	VHPDT	GISSKAM	SILNSFIN	DIFEKLAABAAKTARYNKKPTI
BbH2B.5	...AKA...GGA...KKRKP	..	SKH..ETTKIYIYKVLKQ	VHPDT	GISSKAM	SILNSFIN	DIFEKLAABAAKTARYNKKPTI
OsH2B.8	...AKA...GGA...KKRKP	..	SKH..ETTKIYIYKVLKQ	VHPDT	GISSKAM	SILNSFIN	DIFEKLAABAAKTARYNKKPTI
AtH2B.2	LKKTD.KVEKKQ..ENKKKK..KKKKR	..	DDLAGDEYRRYVYKVMKQ	VHPDL	GITSKAM	TVVNMFVG	DMFERIAABAAKTARYNKKPTI
BbH2B.6	LP SKT...S..RGRQT	..	SGRRRHESYKRYIFKVLKQ	VHPDM	GISRKGM	TVVMEAFVG	DMYNNRVVLEBAAKTARYNKKPTI
OsH2B.11	K...KKKRAG..HGR..K..RSRRRG	..	GALEYGGYKRYVVRVLKQ	VHPDL	GASAOT	MDVLDMMMA	DMFERIADBBAAKTARYNKKPTI
SiH2B.2	TPQK..QKKRGGGGGGGGKAK..TGRRRRLGEASPGGDAG	..	MGGMGGYKRYVVRVLKQ	VHPEL	GVSGHAM	RVLDMMMA	DMFERIADBBAAKTARYNKKPTI

	120	130	140	150	
SiH2B.1	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
ZmH2B.13	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SiH2B.5	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SiH2B.6	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SbH2B.2	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
ZmH2B.6	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
ZmH2B.12	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
ZmH2B.7	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SbH2B.4	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SbH2B.5	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
ZmH2B.8	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SbH2B.6	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SbH2B.11	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
ZmH2B.1	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
ZmH2B.5	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SiH2B.3	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SiH2B.7	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SbH2B.7	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
ZmH2B.3	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SiH2B.9	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
ZmH2B.2	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SbH2B.10	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SbH2B.9	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SbH2B.3	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
OsH2B.1	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
OsH2B.2	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
OsH2B.3	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
OsH2B.4	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
OsH2B.5	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
OsH2B.9	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SbH2B.1	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSN	
ZmH2B.10	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSN	
ZmH2B.11	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSN	
SiH2B.4	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SiH2B.8	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
OsH2B.6	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SbH2B.8	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
ZmH2B.4	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
ZmH2B.9	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
OsH2B.10	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SbH2B.12	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
OsH2B.7	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAGYHFTQQ	RKNLKMSSSHHLALLRKVIGDGGDAVIGDGGGGLQRLPRRRRPWSRGGGRAAPESTPPAKYARGR
AtH2B.1	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
AtH2B.6	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
AtH2B.10	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
AtH2B.7	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
AtH2B.3	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
AtH2B.4	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
AtH2B.8	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
AtH2B.5	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
AtH2B.9	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
SiH2B.10	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTTN	
BbH2B.1	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
BbH2B.2	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
BbH2B.3	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
BbH2B.4	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
BbH2B.5	TSREIQTA	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
OsH2B.8	TSREIQTS	VRLVLPGE	LAKHAVSE	TKAVTKFTSS	
AtH2B.2	SSREIEAA	VRLVLPGE	LAKHAVSE	SKAVSNFVGYS	
BbH2B.6	SAREVQTA	VRLVLPGE	LAKHAVSE	TRAIMRTQSA	
OsH2B.11	TSREVQSA	VRLVLPGE	LAKHAVSE	TKAISNYLS	
SiH2B.2	SSREVQSA	VRLVLPGE	LAKHAVSE	TKAISNYMSY	

SiH2B.1	.....
ZmH2B.13	.....
SiH2B.5	.....
SiH2B.6	.....
SbH2B.2	.....
ZmH2B.6	.....
ZmH2B.12	.....
ZmH2B.7	.....
SbH2B.4	.....
SbH2B.5	.....
ZmH2B.8	.....
SbH2B.6	.....
SbH2B.11	.....
ZmH2B.1	.....
ZmH2B.5	.....
SiH2B.3	.....
SiH2B.7	.....
SbH2B.7	.....
ZmH2B.3	.....
SiH2B.9	.....
ZmH2B.2	.....
SbH2B.10	.....
SbH2B.9	.....
SbH2B.3	.....
OsH2B.1	.....
OsH2B.2	.....
OsH2B.3	.....
OsH2B.4	.....
OsH2B.5	.....
OsH2B.9	.....
SbH2B.1	.....
ZmH2B.10	.....
ZmH2B.11	.....
SiH2B.4	.....
SiH2B.8	.....
OsH2B.6	.....
SbH2B.8	.....
ZmH2B.4	.....
ZmH2B.9	.....
OsH2B.10	.....
SbH2B.12	.....
OsH2B.7	RPRRGSGGHAPHPESGGGGGGGGAREWRDVGITMRGGGGGRGRGKSAQAADRCCRRMPMDGGPPTPTLAEVLSLSPPITTPRSRAPSSSSRRRRMAAQTL
AtH2B.1	.....
AtH2B.6	.....
AtH2B.10	.....
AtH2B.7	.....
AtH2B.3	.....
AtH2B.4	.....
AtH2B.8	.....
AtH2B.5	.....
AtH2B.9	.....
SiH2B.10	.....
BbH2B.1	.....
BbH2B.2	.....
BbH2B.3	.....
BbH2B.4	.....
BbH2B.5	.....
OsH2B.8	.....
AtH2B.2	.....
BbH2B.6	.....
OsH2B.11	.....
SiH2B.2	.....

SiH2B.1
ZmH2B.13
SiH2B.5
SiH2B.6
SbH2B.2
ZmH2B.6
ZmH2B.12
ZmH2B.7
SbH2B.4
SbH2B.5
ZmH2B.8
SbH2B.6
SbH2B.11
ZmH2B.1
ZmH2B.5
SiH2B.3
SiH2B.7
SbH2B.7
ZmH2B.3
SiH2B.9
ZmH2B.2
SbH2B.10
SbH2B.9
SbH2B.3
OsH2B.1
OsH2B.2
OsH2B.3
OsH2B.4
OsH2B.5
OsH2B.9
SbH2B.1
ZmH2B.10
ZmH2B.11
SiH2B.4
SiH2B.8
OsH2B.6
SbH2B.8
ZmH2B.4
ZmH2B.9
OsH2B.10
SbH2B.12
OsH2B.7 ATTAAGGQTAAEVARPPDSTPPAESGEEGGVGVHTGEEGKAAAAGEGSDPFFPIIAAPSLPSPPTQPPLLLPRHRGALLVTEEI GRRRRRCRWEAATARD
AtH2B.1
AtH2B.6
AtH2B.10
AtH2B.7
AtH2B.3
AtH2B.4
AtH2B.8
AtH2B.5
AtH2B.9
SiH2B.10
BbH2B.1
BbH2B.2
BbH2B.3
BbH2B.4
BbH2B.5
OsH2B.8
AtH2B.2
BbH2B.6
OsH2B.11
SiH2B.2

SiH2B.1	.....
ZmH2B.13	.....
SiH2B.5	.....
SiH2B.6	.....
SbH2B.2	.....
ZmH2B.6	.....
ZmH2B.12	.....
ZmH2B.7	.....
SbH2B.4	.....
SbH2B.5	.....
ZmH2B.8	.....
SbH2B.6	.....
SbH2B.11	.....
ZmH2B.1	.....
ZmH2B.5	.....
SiH2B.3	.....
SiH2B.7	.....
SbH2B.7	.....
ZmH2B.3	.....
SiH2B.9	.....
ZmH2B.2	.....
SbH2B.10	.....
SbH2B.9	.....
SbH2B.3	.....
OsH2B.1	.....
OsH2B.2	.....
OsH2B.3	.....
OsH2B.4	.....
OsH2B.5	.....
OsH2B.9	.....
SbH2B.1	.....
ZmH2B.10	.....
ZmH2B.11	.....
SiH2B.4	.....
SiH2B.8	.....
OsH2B.6	.....
SbH2B.8	.....
ZmH2B.4	.....
ZmH2B.9	.....
OsH2B.10	.....
SbH2B.12	.....
OsH2B.7	GDGADR
AtH2B.1	.....
AtH2B.6	.....
AtH2B.10	.....
AtH2B.7	.....
AtH2B.3	.....
AtH2B.4	.....
AtH2B.8	.....
AtH2B.5	.....
AtH2B.9	.....
SiH2B.10	.....
BbH2B.1	.....
BbH2B.2	.....
BbH2B.3	.....
BbH2B.4	.....
BbH2B.5	.....
OsH2B.8	.....
AtH2B.2	.DSRKR
BbH2B.6	.....
OsH2B.11	.....
SiH2B.2	.DDA..