

TaPDIL3A	24	AKLDLDEVDD	SEVLEALLAV	DEEEEADAAPP	GGG--GGAEA	VRRTQSMVLV	LDNDNAARAV	81
GmPDIL3a	25	-----EVKD	-E-LEELLAV	DEEVEREAEK	GGEKLSEAEV	LSKAQRIVIE	LKNENTERVV	76
		**.*	* * ** *****	*** *	** *	**.	. **.	: :* :*: *.*: *.*:
TaPDIL3A	82	RDHPELLLLG	YAPWCERSAK	LMPRFAEAAA	ALRAMGSAVA	FAKLDGERFP	KAASTVGNG	141
GmPDIL3a	77	NGNEFVLVLG	YAPWCPRS <del>AE</del>	LMPHFAEAAT	SLKELGSPLI	MAKLDADRYP	KPASFLGVKG	136
		..:	: *:*** *****	***:*****:	: *: ***:	: ****. :*:*	*.** :***:	
TaPDIL3A	142	FPSVLLFVNG	TEHAYTGLHT	KDAIVTWVRK	KTGTPVIRIE	SKDSAEELLK	KGQTFALGLF	201
GmPDIL3a	137	FPTLLL <del>FVNG</del>	TSQPYSGGFT	ADDIVIWAQK	KTSTPVIRIS	SVAEA <del>KFLT</del>	KYQTFLIGRF	196
		***:*****	*.:*. :*.	* * ** .:*	**.*****.	*	***:*. * *** :* *	
TaPDIL3A	202	KNYEGTDHEE	FMKAATAENE	VQFVETNDRN	VAKILFGIA	SEEQFLGLVK	SEPEKFEKFD	261
GmPDIL3a	197	ENFEGPDYEE	FVSAAKSDNE	IQFVETSQVE	LAQVLYPDIK	PTDRFLGIVK	SEPERYSAYD	256
		:*:***.*:***	*.:***.:**	:*****.:	: *:***:*. *	. :***:***	****:.. :*	
TaPDIL3A	262	GAFEEKEILO	FVELNKFPLI	TVFTDLNSAK	VYSSPIKLQV	FTFAEAYDFE	DLESIVQEVA	321
GmPDIL3a	257	GAFILNKILE	FVDYNKFPLV	TKLTEMNSVR	VYSSPIKLQV	LVFANIDDFK	NLLDTLQDVA	316
		*** :	***: ***:	*****: *	:***:***.:	*****	: .***:***	
TaPDIL3A	322	RGFKTKIMFI	YVDTAEENL <del>A</del>	KPFLTLYGLE	GDKPTVT-AF	DTSKGAKYVL	EADINAKNLK	380
GmPDIL3a	317	KTFKSKIMFI	YVDINDENL <del>A</del>	KPFLTLFGLE	ESKN <del>T</del> VVGAF	DNSMSSKYLL	ESKPTQINIE	376
		: *:*****	*** :****	*****:***	. * .**	*. * .:***:*	*. :***: . *::	
TaPDIL3A	381	EFSLSSL <del>DGT</del>	LPPYFRSEPV	PQ-EEGLVEK	VVGRTFDSSV	LQSPHN <del>IL</del> <del>IL</del>	AHAPWCVDCE	439
GmPDIL3a	377	EFCNNLMQGS	LSPYFKSQPI	PDNTEASVRA	IVGKTFDDEI	LSSKKDV <del>IL</del> <del>IL</del>	VFTPWC <del>MN</del> CE	436
		**. .*:***	*.***:***:	*: * .	:***:***..:	*.* :***	..:***:***	
TaPDIL3A	440	AISKNIEKLA	KHFSGLDNLK	FARIDASVNE	HPKLQVN <del>NN</del> YP	TLLYPAEDK	TNP <del>I</del> LSK <del>KL</del>	499
GmPDIL3a	437	ATSKQVEKLA	KHYKGSSNLI	FARTDASANE	HPKLQVN <del>D</del> YP	TLLFYRADDK	ANPIKLSTKS	496
		* ***:***	*.**	*** ***.**	*****:***	***:*	*:*** :*****. *	
TaPDIL3A	500	SLKDMARFLK	EKLQISDVEI	KEKLQTPNIE	TVAAADNVKD	EL	541	
GmPDIL3a	497	SLKELAASIN	KYLKVKNQVL	-----	-----	KD	EL	520
		***:*	.. : *::..	:		**	**	

**Figure S 5. Figure S5. Alignment of amino acid sequences of TaPDIL3A and soybean GmPDIL-3a.** The active center CXXC/S motifs (shaded in black), conserved glutamic acid (boxes with dotted lines) is indicated. Asterisk indicates positions which have a single, fully conserved residue. Colon indicates conservation between groups of strongly similar properties. Period indicates conservation between groups of weakly similar properties.