ZmYUC MTEKVLVLIVGAGESGLAVAACLGEHGIFYHIVEBEDGSASLMEKETYDELKLHLAKE	59
At YUC MESHPHNETDOT-OHIIL-MESPITISAGPSGLATSACLSSEGVPSLILERSDSIASLMESETYDELELELEPER	73
FLOOZY MSSCKEEDT-QCKWIMWNGPTTIIGAGESGIAVSACLKENGVPSLILLERSDCIASLWOHKTYDRLKLHLEROP LeYUCCA MSCCKEEEPKWIMWNGPTTVGAGESGIAVSACLKENGVPSLILLERSDCIASLWOHKTYDRLKLHLEROP	71
LeYUCCA MGCCKEEEPKMLMANSPITVGAGESGLAVSACLKENGVPSLILERSDCIASLMCHKTYDRLKLHLPKOF	69
OS YUCCA 7 WYLORSDRMDSLFSPQTSWISGPTTVGAGPSGLAVAASLREOGVPFTMLEBADCIASLMOKRTYDRLKLHLPKOF	75
ZmYUC CEMERASHESDARKYI TRECEVRYVDDIVERENT LERY STSMESCEYDEASGRADARARDLADGGGRVARYTARF At YUC CRIFT LDFREY YRKYESINEELAYTASYASHERTARRANOVONAYDSSSGRADARARDLADGGGRVARYTARF FLOOZY COLFL FGFEDNFEX YFTROFT SYLESYASHERTNEKY KOAVOVAFFEN VSGRAVOTON Le YUCCA COLFL FDFRENFEX YFTROFT SYLESYASHERTNEKY KOAVOVAFFEN VSGRAVOTON 0:s YUCCA 7 CLERMAFFEAHYERYFTROFT SYLESYASHEST TEKEK QSMKVAFFE GVCGFMXNOTOD	134
At YUC CRANTLENEEYYEXYESRAEELAYARSYASHERIAERENKANONAATESSSEETENKEEENTEALSKA	141
FLOOZY COMPLEGEDNERWERKERSETSVILLESINEKYKON/OVNEFILIVSGENKUOTONFOVESK	138
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05YUCCA7EEMERMAREAHYEEMERROEDDINEDRAAGDINELEGHTILSDRIEETSELERAASSSAGAEMENIGS	147
2mYUC LVVATGENOEGVIEDIFGLRDEPAGEWESSSYKSWRNYAGKRVLWVGCGNSGMEIAYDLAYNGVETSLVIRSPV At YUC LIVATGENADPYFEEIFGRKRESGEKIVEASSYKSGERERGKVLWVGCGNSGMEISLDLWRENASEELVVENTV FLOOZY LIVATGENAEPVIENICGMOKEKS-PVMETSLYKSGERERGKVLWGCGNSGMEISLDLCRENAIPHMARNSV Le YUCCA LIVATGENAEAVIEEIFGIDKEKS-RUMETSVKSGERERINGRVLWIGGGNSGMEVSLDLCRENAIPHMARNSV OS YUCCA 7 LVATGENAESVVEDIFGIDGE-GGEWEVADYKSGERYRGKRVLWGCGNSGMEVSLDLCDEGREAMVRDAN	209
At YUC IIIVATGENADPYFEIFERKKESGEKIVHASEYKSGEFERROKVIAVGXGNSGKEISLDIVENNASEELAVENTV	216
FLOOZY INVATGENNEPVIENDOCYDKEXS-PVMHTSLYXSCTEENNOEVIMI CCGNFGMEVSLDLCRENN IEHMAENS	212
Le YUCCA INVATGENNEAVIEETECIDEEXE-RIMETSWESSCIESINGSVIMI COGNSGREVELDI CREMATEHAVISNO	210
OS YUCCA 7 LWATGENAESWEDTPGIDGE-GGEWEVADYKSGEAYRGKRVLWVGCGNSGMEVSLDLCDEGAREAMVRDAV	221
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ZmYUC EVMTKGLIY-LGMRIAKMENEVKINDFIILTIANIOFEDLSRYEIVEEDMGELLIMAKTERSAVLIVETT	279
At YUC HVIPREILEVSTEGVGVTILLIC-HEIRIVDEFILLMANILSFONTDRIGLERENTGELEINANVTGESEVLIVGAMS	
FLOOZY BIMEREMLEISTESMANALASC-BEREIVORFIAAVAND TLENTOKLEBERETEEIELMAATEKTEVIAVEALS	
Le YUCCA BILEREMLGISTES IMALLIMA-MELEIVORLILLIVAND TLESTORLELERENTGELELENATERTEVLOVGALS	284
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2=YUC LINTEDIKWGAISRIRGNTVEBENGKERDEDSLVFWTGYRSTANTWERDEGSLLDDNGMERKKAGLOOGSRPWE	354
ZEYUC LINTEDIK WGATSRIRGNTVEREIGEREDIGEN PUSLVPARGYARTANI WADGESS LLDINGSERAKAGLOGESRPAR At YUC LIRSEMIQIMEGVKEITKKGAKEMIGOEKDEDSTIPATGYKSNVETWIO-GGDFFTDDGMEK-TEFFNGME FLOOZY OTRACKIQIMPGVKEITKIGAKEUDGKEGEFDSTITATGYKSNVESMEK-GEDFFTEOGMEK-TEFFNGME Le YUCCA OTRECKIQIMPGVKEITKIGAKEUDGKEGEFDSTITATGYKSNVESMEK-GEDFFTEOGMEK-TEFFNGME 0:s YUCCA7 RIRSETTVPGMARFGRGERELADGRVTALDAVVLATGYRSNVESMER-GEDFFTEOGMEK-TEFFNGME	359
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Le YUCCA (11776/10)MP6//314/0316/MB10/658/GER051114/06/35/055/F2-65/03916/6/4/3	353
OSYUCCA 7 RERSEET VUPENARPGROPTELARERVIALEAVVILATENRENVEOTO-ENDEENKOEYENIATENETE	364
2mYUC SGNELYCVELGMAELAEISRONVSVUADIKAAVDSMVGPPAFWE	398
At YUC GGRGLYTVGFTRRGLLGTASDAVRTAGELGDOARDEIKGSTRMA-GSSRFVFTSKS FLOOZY GENGLYTVGFTRRGLLGTACDARNLARDIGDEARK-YKCFCRAF-GISENLSDSOGICE Le YUCCA GENGLYTVGFTRRGILGTANDARNLARDISEOARE-FKGFCRAF-GITKNLSDNOGICE 05 YUCCA7 GESGLYAVGFTRRGLSGASADAMRAARDLARVMKEATKPTKKSTACHRECISVIE	414
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Supplemental Figure 2. Protein alignment of ZmYUC from maize with homologs from *Arabidopsis thaliana* (AtYUC), petunia (FLOOZY), tomato (LeYUCCA) and rice (OsYucca7).