

Dvu_cyFBPase1_ALVD23 HL-DFLLNDLVLSAKIISRSVLLV... KLEB-ANRVL-Y-RMER-SGACAMASEENADII... PEKLRHGDYVL-FDPLDGSNIDVNI... V... CI-D-D-V-L-OPGYEQVAAGYLYL... GSP... TMLVFT

Dvu FBpase1_ALVD23 GQGVHGFLLDPVSGEFLLSHPDMSIP-RGIYSINSESYWWD-PREVYSFKYSLRYSGLVADFHRTLLYGGIFMYPMDY-RH-P-DKPK-QKLRMLCEASPLAFIABJAGGRAIDG-S-RR-ILD-V-CP-GT-LHB-RI

Dvu_FBpaseI_A1VD23 ----- PLFIGSAR DVA K-VEE IY A RH ----- RA
 Ava_FBpaseI_Q3MCI4 ----- FLIIGSKE DVA K-VEE F I QN ----- GH
 Bna_cyFBpase_92362 ----- PFFCGSIE DMN E-LE K-A Y LS ----- A AK-----T-----A
 Gsu_cyFBpase_XP_005709391.1 ----- QVVMGSYE DVE LVE QL F KGPRSDPM YLL ----- RR-----SHSIEEMKDSKEESTSFN ----- KDEDGPTILCST-----LPRL-----A
 Cme_cyFBpase_XP_005535415.1 ----- PAVMGSVN DVE LLE QL L AKIDRDFM FLLRSVSV ----- TQA ----- DEWCARSRLS-DRVQA-----PWSPLQIVGG-----VLAS-----VPP
 Pum_cyFBpase_Pum02290029.1.p ----- EVMVGSDE DIN LCT SH F ----- RK ----- WGR-----GPSADP-----MYSLRRSKS-IDA-QMK-----AG-----E-----EGDGGPLV-----NSP-----SIGAG-G
 Pum_cyFBpase_Pum06540006.1.p ----- PIIILGSED DVS LCA SH F ----- RT ----- WGS-----GPKSDPMAMLR-----RH-----HSIDA-CLR-----RSSGARSVGSFGGRSPTRG-----VTIIDE
 Cme_cyFBpase_XP_005537806.1 ----- PVFMGSABE DIE E-FL E I A S ----- S ----- K-----FQ
 Gsu_cyFBpase_XP_005707946.1 ----- PVFMGSYE DVC D-L E SF C ----- C-----K-----SA
 Pum_cyFBpase_OSX71615.1 ----- PVMVGSPE DVA D-F E AV S ----- T-----K-----LA-----N
 Ccr_cyFBpase_XP_005712315.1 ----- PVMVGSSE DIA D-F E AL A ----- S-----K-----Y
 Ppu_cyFBpase_contig_3402.5 ----- PVFMGSYN DIN Y-IN E L Y ----- H-----P-----G
 Ota_cyFBpase_XP_003080995.2 ----- PIHVGSFA DIE R-LS QMY ----- RE-----S-----PG-----G
 Olu_cyFBpase_XP_001419675.1 ----- PFHCGSAR DIE R-LD E I L ----- SS-----VR-----A
 Osp_cyFBpase_59046 ----- PIHLGSAR DVE R-LS R-M L ----- AA-----E-----VE-----H-----T
 Bpr_cyFBpase_XP_007510822.1 ----- IHLGSKE NMD D-LK K-CL ----- R-----R-----E-AAA-----D-----P
 Mco_cyFBpase_XP_002506051.1 ----- PIHMGSEE DVE E-ID R-F Y ----- R-----R-----E-AAA-----D-----P
 Mpu_cyFBpase_XP_003057094.1 ----- GHILGSVE DVD E-IE E-C M ----- K-----N-AR-----R-----A
 Cpa_cyFBpase_Contig11350-abini -----
 Ath_cyFBpase_NP_175032.1 ----- PIFLGSYD DVE E-IK A-L Y ----- A-----A-----E-----E-----E
 Fan_cyFBpase_ABW38332.1 ----- PIFLGSYD DVE E-IK A-L Y ----- A-----A-----E-----E-----E
 Mpo_cyFBpase_Mapoly0005s0291.2 ----- PIFLGSYD DVE E-VK D-L Y ----- A-----A-----Y-----Y-----Y
 Mpo_cyFBpase_Mapoly0005s0291.1 ----- PIFLGSYD DVE E-VK D-L Y ----- A-----A-----Y-----Y-----Y
 Ppa_cyFBpase_Pp3c3_1090V3.1.p ----- PIFLGSYD DVE E-IK A-L Y ----- A-----A-----E-----S-----S
 Ppa_cyFBpase_Pp3c13_1900V3.1.p ----- PIFLGSYD DVE E-IK A-L Y ----- A-----A-----E-----S-----S
 Smo_cyFBpase_D8RRD1 ----- PIFLGSFE DVE E-IK T-L Y ----- H-----A-----S-----G
 Smo_cyFBpase_D8SBY7 ----- PIFLGSYD DVE E-IK K-L Y ----- S-----A-----T-----I
 Smo_cyFBpase_D8QTD0 ----- PIFLGSYD DVE E-IK K-L Y ----- S-----A-----T-----I
 Apr_cyFBpase_XP_011400401.1 ----- PIVLGSCE DVD D-IE R-H Y ----- K-----E-----Q-----G
 Psp_cyFBpase_XP_002948170.1 ----- PISLGSKE DVD R-LL E-I M ----- K-----E-----E-----G
 Cva_cyFBpase_XP_005845821.1 ----- PIYLGSK E E L-IE M-F K ----- K-----E-----E-----G
 Csol1228_cyFBpase_CSI_122800009 ----- GCK ----- RE-----M-----G
 Csol1230_cyFBpase_CSI2_12300000 ----- QAA R-C ----- K-----C-----G
 Csol1412_cyFBpase_CSJ00003447-R ----- PIVLGSKE E E E-IE R L ----- K-----KE-----C-----G
 Bna_cyFBpase_85805 ----- PVILGCKR DVE P-VL AGYE G YSDA T N I S I K ----- S-----S-----NS-----SG-----L
 Egr_cyFBpase_ABF68600.1 ----- PVILGGER DVK L-VL S-K Y ----- K-----E-----L-----G
 Egr_cyFBpase_BAU20292.1 ----- PVILGGER DVK L-VL S-K Y ----- K-----E-----L-----G
 Ptr_cyFBpase_23247 ----- PIIMGKGR DVQ V-VF D-Q Y ----- K-----K-----A-----GI-----D
 Toc_cyFBpase_EJK72926.1 ----- PIIMGHR DVG V-VY D-C Y ----- K-----K-----A-----GI-----D
 Esi_cpFBpase2_CBN75354.1 ----- PAFFGSPD -----DLLL-LL-D-PR-YLHSKKK ----- Q-----VS-----T
 Ptr_cpFBpase2_31994 ----- PIFLGSIE NVFELDQ F YK-YY-SDDDNKE Q ----- Q-----VS-----T
 Toc_cpFBpase2_EJK67142.1 ----- PIFLGSVE NVFELDQ F YK-YY-GDD ----- Q-----VS-----T
 Esi_cpFBpase2_CBN77737.1 ----- GLFLGSEE DIL E-LE R A ----- L ----- EAGSRAE REAAAEAAAE-AEAEAAEKAKAEAAAAAEEKEKEEEEEEEEEEEKE--EETIEPEAVAE--AVAVAEAPVDAEASMEEGASPGV--VEDEGGEPAL-----GGEDDDHEPVVVAQK-D
 Egr_cpFBpase2_BAU20291.1 ----- PLFAGSAA DVA E-LE S-YGDVC G G ----- A-----A-----Q
 Bna_cpFBpase2_38456 ----- PVFLGSSE DIE E-LE S-YGDVC G G ----- A-----A-----Q
 Ppu_cpFBpase2_contig_3490.10 ----- PLFLGSSD DLN E-LE K-YD-VC G K ----- D-----G
 Bpr_cpFBpase2_XP_007512791.1 ----- PLFAGSSE DIA E-IE K-YENVK G T ----- E-----G
 Mpu_cpFBpase2_XP_003063661.1 ----- PLFIGSRE DVE E-VT S-YAAYG V T Q ----- AA-----T
 Mco_cpFBpase2_XP_002499881.1 ----- PLFVGSVD DVA E-LL T-YGDVR G V ----- A-----A-----K
 Osp_cpFBpase2_32079 ----- PFFVGSSE DVA E-LV S-RGDVC G D ----- AS-----K
 Olu_cpFBpase2_XP_001417955.1 ----- PLFLGSCE DIA E-LV L-RGDVR G D ----- GS-----K
 Ota_cpFBpase2_XP_022838959.1 ----- PLFLGSSE DIA E-LV R-RGDVR G D ----- DS-----K
 Mpo_cpFBpase2_Mapoly0066s0105 ----- PLFLGSPE DIL E-LE S-YGDVC G L ----- VN-----P
 Smo_cpFBpase2_D8RVB3 ----- PLFLGSSE DVL E-LE T-YGDVC G V ----- VN-----P
 Ppa_cpFBpase2_Pp3c18_4950V3.1 ----- PLFLGSAA DIA E-LV S-YGDIC G E ----- KN-----P
 Ppa_cpFBpase2_Pp3c22_22950V3.1 ----- PLFLGSAA DVA E-LV S-YGDIC G Q ----- TS-----P
 Ppa_cpFBpase2_Pp3c24_11070V3.1 ----- PLFLGSAA DVS E-LE A-YGDIC G V ----- FD-----P
 Fan_cpFBpase2_ABW38331.1 ----- PLFLGSLE DMD E-LE S-YGDVC G K ----- VN-----P
 Ath_cpFBpase2_NP_201243.1 ----- PLFLGSLE DVA E-LE S-YGDVC G T ----- VN-----P
 Czo_cpFBpase2_Cz01g04250.t1 ----- PLFLGSPE DIA E-LE S-YGDVC G L ----- SG-----K
 Cme_cpFBpase1_XP_005537627.1 ----- PICGSPR DVE D-L L-K I Y ----- L-----Q-----SM
 Gsu_cpFBpase1_XP_005703487.1 ----- LILGSSE DVD E-LM Q-VY ----- G-----TK-----Y
 Gsu_cpFBpase1_XP_005703442.1 ----- LILGSPA DIE E-FL Q-VY ----- G-----MSRVDR-----ED-----MHM
 Pum_cpFBpase1_OSX71660.1 ----- LVLGSPE DVQ E-LL D-K Y ----- Y-----EA-----D
 Pum_cpFBpase1_OSX75977.1 ----- LILGSAD DVQ E-LL D-M Y ----- A-----S-----H
 Ccr_cpFBpase1_XP_005713305.1 ----- LIIGSKD DVQ E-LV D-M Y ----- A-----AA-----E
 Ppu_cpFBpase1_contig_3540.6 ----- VILGSKN LVN EV-V E-A-Y ----- K-----Q-----A
 Esi_cpFBpase1_CBN74703.1 ----- IYLGSAE DVT E-LI N-A ----- L-----KK-----EK
 Esi_cpFBpase1_CBN76290.1 ----- IYLGSAE DVT E-LI N-A ----- L-----KK-----EK
 Ptr_cpFBpase1_2793 ----- PCFIGSYD DVS E-W ----- E-----W
 Toc_cpFBpase1_EJK50041.1 ----- PCFMGSDD DMD E-LA G-Y ----- L ----- RG
 Ptr_cpFBpase1_9359 ----- IIMGSRQ DV E-VM DAYK N-FG ----- T-----I
 Ptr_cpFBpase1_8744 ----- VIMGSKN DVL EV-I D-A-Y ----- E-----AAS-----N
 Egr_cpFBpase1_ABF68597.1 ----- LMLGAD EM DE-LI E-L-Y ----- N-----AKA-----DA-----ALK-----KSQ
 Bna_cpFBpase1_51585 ----- VFIGSPD DVD E-V E-K-A ----- L-----A-----A
 Cpa_cpFBpase1_Contig53396-snap ----- PFLGSKK CVE L-L E-N-Y ----- Y-----AG-----K-----A
 Mco_cpFBpase1_XP_002505568.1 ----- PFIYGSRE E VQ Y-L E-S-F ----- L-----QE-----R
 Mco_cpFBpase1_XP_002505565.1 ----- PMFVGSK M VR E-L E-E-F ----- L-----ED-----R-----AF
 Mpu_cpFBpase1_XP_003056260.1 ----- PFIYGSRE E VQ Y-L E-S-F ----- L-----VE-----E-----K
 Mpu_cpFBpase1_XP_003063679.1 ----- PMFVGSK M VE G-L E-K-F ----- L-----VE-----E-----K
 Bpr_cpFBpase1_XP_007509936.1 ----- PMFVGSNS A VL G-L E-K-F ----- L-----KE-----R
 Osp_cpFBpase1_43222 ----- PMFVGSAS A VR D-L G-E-F ----- L-----KS
 Olu_cpFBpase1_XP_001422674.1 ----- PMFVGSKS-AVQDLQ EFL K-K ----- K-----K
 Ota_cpFBpase1_XP_003082905.2 ----- PMFVGSAS A VK D-L G-A-F ----- L-----K
 Olu_cpFBpase1_XP_001416538.1 ----- PFFVGSKK E VQ Y-L E-S-F ----- L-----K
 Ota_cpFBpase1_XP_003077945.1 ----- PFFVGSKN E VA Y-L E-S-F ----- L-----K
 Osp_cpFBpase1_54446 ----- PFFVGSKN E VD Y-L E-S-F ----- L-----K
 Bpr_cpFBpase1_XP_007509205.1 ----- PFFVGSVE E VA Y-L E-S-F ----- M-----K
 Apr_cpFBpase1_XP_011398191.1 ----- PLFVGSSE E VE Y-L E-S-F ----- F-----L
 Psp_cpFBpase1_3559 ----- PLFVGSSE E VE Y-L E-S-F ----- L-----L
 Cva_cpFBpase1_XP_005848342.1 ----- PLFVGSSE E VE Y-L E-S-F ----- L-----L
 Csol1228_cpFBpase1_CSI_12280000 ----- P-----TKWE-----VE-----C-----E-----E
 Csol1230_cpFBpase1_CSI2_12300000 ----- PLFVGSSE E VE Y-L E-S-V ----- L-----Q-----N-----K-----PA
 Csol1412_cpFBpase1_CSJ00005697 ----- PLFVGSSE E VE Y-L E-S-V ----- L-----Q-----N-----K-----PA
 Cre_cpFBpase1_XP_001690872.1 ----- PLFVGSSE E VE Y-L E-S-F ----- L-----K
 Vca_cpFBpase1_XP_002948170.1 ----- PLFVGSSE E VE Y-L E-S-F ----- L-----K
 Dsa_cpFBpase1_Dusal.0106s00008 ----- PLFVGSSE E VE L-L E-H-F ----- V-----AG-----K-----R
 Czo_cpFBpase1_Cz04g03070.t1 ----- PLFVGSSE E VE Y-L E-S-F ----- L-----K
 Mne_cpFBpase1_XP_013899573.1 ----- PLFVGSSE E VR Y-L E-S-F ----- L-----K-----A-----Q
 Smo_cpFBpase1_D8RW89 ----- PLYVGSSE E VE K-L E-K-Y ----- L-----SS
 Ppa_cpFBpase1_Pp3c7_15760V3.1 ----- PLYVGSSE E VE K-L E-K-Y ----- L-----S
 Ppa_cpFBpase1_Pp3c19_12890V3.1 ----- PLYVGSSE E VE K-L E-S-F ----- L-----S
 Mpo_cpFBpase1_Mapoly0047s0030 ----- PLFVGSSE E VE K-L E-K-Y ----- L-----A
 Ath_cpFBpase1_NP_001190083.1 ----- PLYVGSSE E VE K-L E-K-Y ----- L-----A
 Fan_cpFBpase1_ABW38330.1 ----- PLYVGSSE E VE K-L E-K-Y ----- L-----A
 ruler 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600

Dvu_FBpaseI_A1VD23 -----
Ava_FBpaseI_Q3MCI4 -----
Bna_cyFBpase_92362 -----GGKIPQSK-L-----
Gsu_cyFBpase_XP_005709391.1 -----QYNE-----
Cme_cyFBpase_XP_005535415.1 -----F-----LLEDS-----
Pum_cyFBpase_Pum0229s0029.1.p EDGF-----V-CAYL-----FVV-----
Pum_cyFBpase_Pum0654s0006.1.p IDGFVCAHL-----FV-----L-----
Cme_cyFBpase_XP_005537806.1 -----
Gsu_cyFBpase_XP_005707946.1 -----S-----
Pum_cyFBpase_OSX71615.1 -----S-V-----
Ccr_cyFBpase_XP_005712315.1 -----A-----
Ppu_cyFBpase_contig_3402.5 -----K-----
Ota_cyFBpase_XP_003080995.2 -----AAAVRSTFS-----L-----
Olu_cyFBpase_XP_001419675.1 -----G-KKGRVSSPSPR-----
Osp_cyFBpase_59046 -----FN-----N-----
Bpr_cyFBpase_XP_007510822.1 -----L-----
Mco_cyFBpase_XP_002506051.1 -----D-A-----R-----
Mpu_cyFBpase_XP_003057094.1 -----S-W-DQSR-----G-----
Cpa_cyFBpase_Contig11350-abini -----
Ath_cyFBpase_NP_175032.1 -----K-----K-----N-----
Fan_cyFBpase_ABW38332.1 -----K-----K-----E-----
Mpo_cyFBpase_Mapoly0005s0291.2 -----S-----
Mpo_cyFBpase_Mapoly0005s0291.1 -----S-----
Ppa_cyFBpase_Pp3c3_1090V3.1.p -----A-----
Ppa_cyFBpase_Pp3c13_1900V3.1.p -----A-----
Smo_cyFBpase_D8RRD1 -----L-----L-----
Smo_cyFBpase_D8SBY7 -----A-----
Smo_cyFBpase_D8QTD0 -----A-----
Apr_cyFBpase_XP_011400401.1 -----L-----
Psp_cyFBpase_XP_002948170.1 -----L-----L-----A-----
Cva_cyFBpase_XP_005845821.1 -----A-----Q-----
Csol1228_cyFBpase_CSI_122800009 -----
Csol1230_cyFBpase_CSI2_12300000 -----
Csol1412_cyFBpase_CSJ00003447-R -----C-----Q-----
Bna_cyFBpase_85805 -----K-S-----K-----L-----
Egr_cyFBpase_ABF68600.1 -----LA-----A-----
Egr_cyFBpase_BAU20292.1 -----LA-----A-----
Ptr_cyFBpase_23247 -----G-----P-----T-----L-----
Toc_cyFBpase_EJK72926.1 -----V-----PD-----L-----K-----KD-----D-----
Esi_cpFBpase2_CBN75354.1 -----R-----
Ptr_cpFBpase2_31994 -----AKQ-----V-----
Toc_cpFBpase2_EJK67142.1 -----E-----
Esi_cpFBpase2_CBN77737.1 GGTE-----NEE-----VAA-----
Egr_cpFBpase2_BAU20291.1 -----K-----D-----
Bna_cpFBpase2_38456 -----NVE-----A-----
Ppu_cpFBpase2_contig_3490.10 -----S-----D-----V-----
Bpr_cpFBpase2_XP_007512791.1 -----G-----Y-----K-----I-----
Mpu_cpFBpase2_XP_003063661.1 -----E-----V-----
Mco_cpFBpase2_XP_002499881.1 -----T-----V-----A-----L-----
Osp_cpFBpase2_32079 -----T-----V-----
Olu_cpFBpase2_XP_001417955.1 -----T-----V-----
Ota_cpFBpase2_XP_022838959.1 -----T-----V-----
Mpo_cpFBpase2_Mapoly0066s0105 -----G-----V-----
Smo_cpFBpase2_D8RVB3 -----G-----V-----
Ppa_cpFBpase2_Pp3c18_4950V3.1 -----G-----V-----
Ppa_cpFBpase2_Pp3c22_22950V3.1 -----E-----V-----
Ppa_cpFBpase2_Pp3c24_11070V3.1 -----E-----SDDDG-----V-----
Fan_cpFBpase2_ABW38331.1 -----G-----V-----
Ath_cpFBpase2_NP_201243.1 -----G-----V-----
Czo_cpFBpase2_Cz01g04250.t1 -----T-----V-----
Cme_cpFBpase1_XP_005537627.1 -----A-----M-----R-----G-----
Gsu_cpFBpase1_XP_005703487.1 -----SS-----Q-----MQ-----V-----
Gsu_cpFBpase1_XP_005703442.1 -----W-----DN-----L-----SS-----L-----
Pum_cpFBpase1_OSX71660.1 -----Q-----
Pum_cpFBpase1_OSX75977.1 -----E-----
Ccr_cpFBpase1_XP_005713305.1 -----E-----
Ppu_cpFBpase1_contig_3540.6 -----K-----
Esi_cpFBpase1_CBN74703.1 -----A-----E-----
Esi_cpFBpase1_CBN76290.1 -----A-----E-----
Ptr_cpFBpase1_2793 -----
Toc_cpFBpase1_EJK50041.1 -----E-----
Ptr_cpFBpase1_9359 -----E-----
Ptr_cpFBpase1_8744 -----E-----
Egr_cpFBpase1_ABF68597.1 -----LDRLA-----V-----
Bna_cpFBpase1_51585 -----
Cpa_cpFBpase1_Contig53396-snap -----
Mco_cpFBpase1_XP_002505568.1 -----A-----
Mco_cpFBpase1_XP_002505565.1 -----V-----YRNGPRDEL-----
Mpu_cpFBpase1_XP_003056260.1 -----A-----
Mpu_cpFBpase1_XP_003063679.1 -----ARATVKA-----
Bpr_cpFBpase1_XP_007509936.1 -----H-----
Osp_cpFBpase1_43222 -----K-----
Olu_cpFBpase1_XP_001422674.1 -----Y-----
Ota_cpFBpase1_XP_003082905.2 -----K-----
Olu_cpFBpase1_XP_001416538.1 -----M-----
Ota_cpFBpase1_XP_003077945.1 -----M-----
Osp_cpFBpase1_54446 -----M-----
Bpr_cpFBpase1_XP_007509205.1 -----K-----
Apr_cpFBpase1_XP_011398191.1 -----K-----
Psp_cpFBpase1_3559 -----N-----
Cva_cpFBpase1_XP_005848342.1 -----P-----K-----
Csol1228_cpFBpase1_CSI_12280000 -----
Csol1230_cpFBpase1_CSI2_12300000 -----P-----Q-----
Csol1412_cpFBpase1_CSJ00005697- -----P-----Q-----
Cre_cpFBpase1_XP_001690872.1 -----H-----
Vca_cpFBpase1_XP_002948170.1 -----H-----
Dsa_cpFBpase1_Dusa1.0106s00008 -----M-----
Czo_cpFBpase1_Cz04g03070.t1 -----Q-----
Mne_cpFBpase1_XP_013899573.1 -----A-----
Smo_cpFBpase1_D8RW89 -----M-----
Ppa_cpFBpase1_Pp3c7_15760V3.1 -----A-----
Ppa_cpFBpase1_Pp3c19_12890V3.1 -----S-----
Mpo_cpFBpase1_Mapoly0047s0030 -----A-----
Ath_cpFBpase1_NP_001190083.1 -----
Fan_cpFBpase1_ABW38330.1 -----
ruler610.....620.....630.