

PcYap1 MGDYERYQQNLYLSPNQDLLLLAALSSNNPSQKPKSGSPQIKSSQSPDGNSSNSLSGPPS 60
Yap1 -----MS----- 2
Pap1 -----MSGQTE 6
;*

PcYap1 GGFDNAHANNFGFGDDSPFLDFPPEVDFDFPGSADLIGDLPGSADYDIGGKRKSLDG-- 118
Yap1 -----VSTAKRSLDVSPGSLAEFEGSKSRHDEIENEH-RRTGT----- 40
Pap1 T-----LSSTSNIPAKAEPEQSADFSASHKKRGPVSDSSRRTSSEEVDLMPNV 56
. : : * : * . : . *

PcYap1 KSDIEGEETGKKRRESEAKKPGRKPLTSEPTTKRKAQNRAAQAFAFRERKERHLKDLEDSV 178
Yap1 R-DGEDSEQPKK---KGSKTSKKQDLDPETKQKRTAQNRAAQAFAFRERKERKMKLEKKV 96
Pap1 DDEVDGDKPKK---IGR---KNSDQEPSSKRKAQNRAAQAFAFRERKEDHLKALETQV 108
: : . * : * * * * * * * * * * * * * * * *

PcYap1 ERLQKTSDFMANQENGLLRAQVERLQVELREYRKRLSWMASGSGNAISAMSSNSIPSAHSK 238
Yap1 QSLESIQQQNEVEATFLRDQLITLVNELKKYRPETRNDSK-----VLEYLARRDPNLH-- 149
Pap1 VTLKELHSSSTLTENDQLRQKVRQLEELRILKDGST-----FEMSLPHRNPSSSL 160
* : . * * * : * * : *

PcYap1 GAYGLQ-----NNEFLDFPKFGDLPGGHLFNGQANKN 271
Yap1 ---FSKNVNVHSNSEPIDTPND--IQENVKQKMNFTFYPLDNDNDNDN----- 194
Pap1 PTTGFSSFAHM-KDG-I-SPQSNLHLSPNSEKPNM-HQNVLHNDRSADN----- 207
: . : : : *

PcYap1 DQSKPNSIIPQAPGVLRDLSLNTSPSSR-SNSLSQSNKSKSTGTSNNAASAKATYPGSKSS 330
Yap1 --SK--NVGKQLPSP-----NDPSHSAPMPINQTKKLSDATD---SSSAT---LDSL 237
Pap1 --LN--HRYQVPPT-----L---VDSN 222
: * *

PcYap1 ANDNSTSENSPSSSSDSHQ-S-QLSSNGTS-PEPSLNSPPDRQYRELGPGDSCGGHVTDD 388
Yap1 SNSNDVLNNTPNSSSTMDWLDNVIYTNRFVSGDDGNSKTKNLDSNMFSDNFNFENQFDE 297
Pap1 SAQGTLSPETPSSSDSPNL-YLNYPKRKS-----ITLHGHDCSALSNGENG--EDVA 272
: . : * * . : *

PcYap1 GEKSFCEQLGMAAGNIRNPIPAVRSTSQS-----VSSGQPTPVD----- 427
Yap1 QVSEFCSEKMNQVCGTRQCPIPKKIPISALDKEVFASSSILSSNSPALTN-TWESHSNITDN 356
Pap1 DGKQFCQKLTACGSIACSMLTKTTPHRASVDILSNLHESVSPMADESVPQSSEVSKS 332
. . : : * * : *

PcYap1 GPAE----- 431
Yap1 TPANVIATDATKYENSFSGFGRLGFDMSANHYVVNDNSTGSTDSTGSTGNKKNKNNNSD 416
Pap1 IPNV-----ELSLNV-----NQQ 345
*

PcYap1 -----GVDSQDL-----GIDWL-----AHQNGGQFDPVLFGDWRPQEAVLS--- 468
Yap1 DVLPFISESPFDMN--QVTNFFSPGSTGIGNN-AASNTNPSSLQSSKEDIPFINANLAF 472
Pap1 FVSPFGGTDSFPLPTDTGLDSLFEPSAIEENSHLKNVMEPELFGAWREPAESLDK--- 401
. . : : : * * : *

PcYap1 -----QDFGSFFNEA----- 478
Yap1 PDDNSTNIQLQPFSESQSNKFQYDMFFRDSSKEGNNLFGEFLEDDDDDKKAANMSDDES 532
Pap1 -----E-FFNDEGEIDDVFNHYFHNSNENGLITNSLHG-----L 435
: * : :

PcYap1 -----FPLPDLGSPSHNLSEV-----ATDAAPKKNLVGHIDNKLEEDVV 518
Yap1 SLIKNQLINEEPELPKQYLSVPGNESEISQK---NGSSLQNAKINNGNDNDNDNDVV 588
Pap1 ----DFLENANESFPEQMYPFIKHNKDYSISHPDEVPDGLPQKGKHDTSQMPSENEIV 491
: * : : . . : . : * :

PcYap1 PGEDQSQMLSCTKIWDRLQSMERFRNGEIDVDNLCELSRTKARCEGGVVVNQNDVDDIM 578
Yap1 PSK-EGSLLRCSEIWDRLTHPKYS--DIDVDGLCELSMAKAKCESRGVVINAEDVQLAL 645
Pap1 PAK-ERAYLSCPKVWSKIINHPRFE--SFDIDDLCSKLKNKAKCSSSGVLLDERDVEAAL 548
* : : * : * * * * * * * * * * * * * * * *

PcYap1 GRAK- 582
Yap1 NKHMN 650
Pap1 NQFN- 552
: :

bZIP

NLS

N-CRD
(cys-394)
(cys-401)

C-CRD
(cys-529)
(cys-553)
(cys-562)

NES