**AMPYLATION FASTA FILE:**

**Positive and Negative**

> Positive- 0

AEHCSIQDAQAAMRLYVMVKKEWESMARDRR

> Positive- 1

ARAGIDDMSMENKPLYQMRLLSEAFVIKGLS

> Positive- 2

ARQDIIPDVEISRKVYKGMLDLLKCTVLSLE

> Positive- 3

ATLGKIPKSAAIGGKSNAGRKTSLDGSQNQD

> Positive- 4

ATQRKLRRFSELRGKLVARGEFWDIVAITAA

> Positive- 5

CAGSRRRFSDSEGEETVPEPRLPLLDHQGAH

> Positive- 6

CKNASLLLGEKTIILSRQTSVLNAGNSVFNH

> Positive- 7

CSLNKPPFLMLLKGSTRFNKTKTFRINQLLQ

> Positive- 8

CYETISKAQAFERMMSPTGSNLKSNHSDECT

> Positive- 9

DAEAQGKSSEVSLTSSVTSLDSSPVDLTPRP

> Positive- 10

DHNGMLSKEELSRYGTATMTNVFLDRVFQEC

> Positive- 11

DLQIGCKQLRILKMQYCTNISKKAAQRMSSK

> Positive- 12

DLQKSDTVIESNTFCSKSNLNSTISKNFHRN

> Positive- 13

DQHEPKKVADLGCGDTSLLRLLKVNPCIELL

> Positive- 14

DTFEVLVDQTVVNKGSLLEDVVPPIKPPKEI

> Positive- 15

DVRNSEVVAIKKMSYSGKQSNEKWQDIIKEV

> Positive- 16

DVSPPLGQHETGGSPSKQQMRSVISVTSALK

> Positive- 17

DVVREIYKDANTQVHTLRKMVKEKEEAIQRQ

> Positive- 18

DYADCHDALKAITEVTTTLQHILIRLENLQK

> Positive- 19

EEVSLRRVIGAKKDQYFLDKKMVTKNDVMNL

> Positive- 20

EINIEVYSLVQKKDPSGLDKKKKTSKSKAIT

> Positive- 21

EIWDWDRTTRNDFMGSLSFGVSELMKMPASG

> Positive- 22

EKIKQVNERATLFRITSNAMINACRDFLMLA

> Positive- 23

EKKVWEEHLVAKGVKSSDVSPPLGQHETGGS

> Positive- 24

EMGMRLLCEGKNQNGTHALSILLMSRKSSLA

> Positive- 25

ENRASAQSKTLEARNTLRLWKKAYFDTRAKI

> Positive- 26

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FYVTETTFQKNRLFFYRKSVWSKLQSIGIRQ

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GDNSFKDSRHLNFLTSEQALADFAELIKHLK

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GHHDYADCHDALKAITEVTTTLQHILIRLEN

> Positive- 35

GKYHHGLSALKPIRTTSKHQHPVDNAGLFSC

> Positive- 36

GLLSFYNARTKQVLHTFKTRFTQPLLPAFTV

> Positive- 37

GNKGLRLKESGAINTSLFVLGKVVDALNQGL

> Positive- 38

GTSGDHDDSFMKMLRSKMGKCCHHCFPCCRG

> Positive- 39

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> Positive- 40

HKPGSTPEPIAAEVRSPSMESKLHRQALALQ

> Positive- 41

HPFLCAADFRKIASLYGSDKFDLPYGMRTSA

> Positive- 42

HYKVTALHWAAFRNATKQWVQEKPNGLLYFW

> Positive- 43

IFRKLRNAKGEELGKSSDLEDNRSEDSVRPW

> Positive- 44

IHLSDETNLNSPIRPYENPRYFKNVIALAFD

> Positive- 45

IPTLGKDGALVQPKMSASFVPDHKASMVLFL

> Positive- 46

IRRFAHLLVKKDICNSETKKDLLKKVKNAIS

> Positive- 47

IRVALMEKRMSEYITTALRDTRTTRRFYDSG

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KFAARKKWKQSVRLISLCQRLSRSFLSRSNM

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> Positive- 53

KIGGDLPKGRETKENYGKTLKIENVSYQDKG

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LPTLEVKPPDRPSSKSKDPPREEEKEKKKKK

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> Positive- 75

MAFDRYVAICNPLRYSVIMSKAAYMPMAASS

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MFKSSLLLDLIKGMKYLHHREFVHGRLKSRN

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MKVSEKIVYVYMKRKYEAMTKLGFKAILPSF

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MYRKMVFYIEACESGSMMNHLPDNINVYATT

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PFPIIIHDEPTYARSSKNAIKVPIVINPNAY

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> Positive- 130

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RSCQRSDSDAEAQGKSSEVSLTSSVTSLDSS

> Negatives- 412

LCRLAAFLDTFLAANSMLSMAALSIDRWVAV

> Negatives- 413

KEITKITQTIESCLLSIVNPEWAVAIAISLA

> Negatives- 414

FWTNWNEQHPSIMRSTLTGKNAQVVVSTDIL

> Negatives- 415

VQKRRSSRQVKRKRYTEDLEFKISDEEADDA

> Negatives- 416

PEEESKSEASFSEEETESLKAKAEAPKTEAE

> Negatives- 417

TTDTEKIHPSSSMAVTNVGTTSSGHELYSSV

> Negatives- 418

DHMGFHFTTGIPAPSTETELDVLLPTATSLP

> Negatives- 419

GSDTAPSMVTSPGVDTRSGVPTTTIPPSIPG

> Negatives- 420

DKLQAKSPKEAEADLSFDSYHSTQTDLGPSL

> Negatives- 421

LSQTSSPAEVSILDVTTAPTPGISTTITTMG

> Negatives- 422

NCLLYQHLPVTRFPCTLACEARHFLLDGEPR

> Negatives- 423

GELQAAWRNGFDQCDYGWLSDASVRHPVTVA

> Negatives- 424

ILEAFGNAKTVKNDNSSRFGKFIRINFDVNG

> Negatives- 425

ASQVTFLCSNIIHFESLRTRTAEALNLDAAL

> Negatives- 426

HLLGFKAKGDYLPETTRPQEMMKIFAFANSL

> Negatives- 427

EMLGNEQQQEDLEKDSKLCPIEPDKSELENS

> Negatives- 428

KSWYGLLHPEDLAHASAQHYRLLAESGDIQA

> Negatives- 429

CYRITDDGIQAFCKSSLILEHLDVSYCSQLS

> Negatives- 430

FSHSKSDTTLPVAITSPGPEASSAVSTTTIS

> Negatives- 431

QQGAASTEGAVLPSSSDALLSDKQVMETIQW

> Negatives- 432

HLANTVQENAKSWVISLGKLLNESAKEELYN

> Negatives- 433

DPDFLKQLEMSIKYGTPFLFRDVDEYIDPVI

> Negatives- 434

STREKASTVLSQIVASIQPPQSPPETPQSGP

> Negatives- 435

ENAWGIRIYQKRTQPTVRSHACEVDPYGMPG

> Negatives- 436

AITEATKMEVPSFDATFIPTPAQSTKFPDIF

> Negatives- 437

YKIGVVGPWACDSLFSKALPEVAARLAIERI

> Negatives- 438

TRKSLPKVKAMDFITSTAILPLLFGCLGVFG

> Negatives- 439

GITIQGVTESPLHPSSTSPSKIVAPRNTTYE

> Negatives- 440

SPHPVSTTFLAHIPPSPLPVTSLLTSGPATT

> Negatives- 441

AGALWLHLMHYCEACTAPKMPEFILYAFHST

> Negatives- 442

ILAKWLEQAARNLELTDKANWPENGLQLAEI

> Negatives- 443

MQFFNYVMRKVWLHQTRIGLSLYDVAGQGYL

> Negatives- 444

LAVENALLEAQDVELYLRPLRRHIQCLQETE

> Negatives- 445

RTRSRSPHEKKKKRRSRSRTKSKARSQSVSP

> Negatives- 446

PATSMVSGLSSPRTRTSSTEGNFTKEASTYT

> Negatives- 447

SVRSTLSESMQLDRNTLPKKGLRYTPSSRQA

> Negatives- 448

IQDSLDLFFRAEELEYSCEKCGGKCALVRHK

> Negatives- 449

SPDSDPYKATSAVVITSTSGDSIVSTSMPRS

> Negatives- 450

PNTSTPGTSTVDLGTSGTPSSLPSPTSAGPL

> Negatives- 451

XXMKDIDIGKEYIIPSPGYRSVRERTSTSGT

> Negatives- 452

WVETSPSMKTERPPASTSVAAPITTSVPSVV

> Negatives- 453

FGTCLQHSVSNFMNATLSEKLFGETTLVKSR

> Negatives- 454

CPTNFYLAADNRTCLSNCTASQFRCKTDKCI

> Negatives- 455

CKWVPFLQQKVSIPLTEGLDLISMLTDDATI

> Negatives- 456

YTTFEKQQKKLHENYYAMYLKYLRSVRLQKK

> Negatives- 457

TIPAMMSALRMVWIISRHYNKDERMIPLMER

> Negatives- 458

TRVYRVQRDIPMPLVSSGVEHGNLRELALAR

> Negatives- 459

VEWLKLHPTYTVDMPSYVPKNADVLFSSFQK

> Negatives- 460

RILKFHSGLLLGLYSSVAIWYARLQEWDNFY

> Negatives- 461

STVLSSVPTGATTEVSRTEAISSSRTSIPGP

> Negatives- 462

EAAVDCFLTALELEASSPVLPFSIIPRELXX

> Negatives- 463

NQSTTLPGPGRNMPNSQMVNIRDMSDNVLYQ

> Negatives- 464

MNMPEVDLYGTVQPHTLIRQHIDYGHWYDRQ

> Negatives- 465

KVRELEEKLVEREKGTVIKPPVEEYEEMKSS

> Negatives- 466

ETSIPVNSAGPPGLSTVASDVIDTPSDGAES

> Negatives- 467

LKHHCNKVLLRVRMLYYLRQEVIGDQADKIL

> Negatives- 468

LVDIVSYQSVLSYFSSHYPPSIILAKESYAE

> Negatives- 469

VPETTSSLATSLGAETSTALPRTTPSVFNRE

> Negatives- 470

TLDTSTTKSQAKTHSTLTQRFPHSEMTTLMS

> Negatives- 471

TSLASASGSFPNSGLYGSYPQGQAPPLSQAQ

> Negatives- 472

SQPQPSGQPWNFHASTSWYWRQSSDRFPRHQ

> Negatives- 473

LPDMRAAASLDTATFSTTEMALALNRYLCLA

> Negatives- 474

AVTSPSPLYSTPSESSHSSPLRVTSLFTPVM

> Negatives- 475

EEDLSEYKFAKFAATYFQGTTTHSYTRRPLK

> Negatives- 476

HKDAATLEPSSSAKITFQCKHTSALSSHVLN

> Negatives- 477

RGGNICRADEFLCNNSLCKLHFWVCDGEDDC

> Negatives- 478

RVLIRELKRLDNITQSPFLSHITSSIQGLAT

> Negatives- 479

PEAIAQGGQSKTLRSSTVRAMPVPTTPEFQS

> Negatives- 480

IQRQVKEINSLQSDFTKYLTTADSSLLQTNI

> Negatives- 481

NKLTNKLPDLWRKIESINQQLLPLGNISDNM

> Negatives- 482

YLYVPYDGYGQQPESYLSQMAFSIDRALNVA

> Negatives- 483

VSSSKLFSSSTAPHETSFGEEVEVHNLLIID

> Negatives- 484

RREGDGTCSLHIESTTSDDDGNYTIMAANPQ

> Negatives- 485

QGGPPVAQVEQDLPISRENLTDLVVDTDTLG

> Negatives- 486

FQDVIETRGREYAGLYDDISTQGWFIGLMCA

> Negatives- 487

VLFGGCTSPALLSQGSILLEHVAEMEDPSTG

> Negatives- 488

WDKTSLECLKVLTGHTGSVLCLQYDERVIVT

> Negatives- 489

LLSNEPSSSSTSRNHSCTPDPEEESKSEASF

> Negatives- 490

LNKKSPPLVKACRRSSLPPNSPKPVRLTKSK

> Negatives- 491

KETQSKYEEAMKEVLSVQKQMKLGLVSPESM

> Negatives- 492

TNTSHVMQYGNKTISTMKVMQFQGMKRKASS

> Negatives- 493

NDITDEVLDGLNPIQTDVERIKDTYGRTQNE

> Negatives- 494

SPIVLTASFTETSTVSLDNETTVKTSDILDA

> Negatives- 495

SADEVQGLAAAAEDWTVAKQEPSGMAEGATT

> Negatives- 496

VWAANMSSSSAGSKDTPSYQSMTSLHTSSES

> Negatives- 497

DTSSTASWEGTHSPVTQRFPHSEETTTMSRS

> Negatives- 498

TSVPTPTLAKITDMDTNLEPVTRSPQNLRNT

> Negatives- 499

VSVPTHPEAVGDASLTVVKLLASDAGLYRCD