

Supporting Information S1. The positive benchmark dataset contains 1,167 lysine succinylation fragments from 896 protein sequences (Liu et al. CPLM: a database of protein lysine modifications. Nucleic acids research 2014, 42, (D1), D531-D536). Each segment contains 31 amino acid residues with the succinylation site at the center marked with **K**. Listed are also the codes of the source proteins from which these peptide sequences are derived as well as the positions of their succinylation sites in proteins. See the main text for further explanation.

| Code | Position | Fragments |
|--------|----------|--|
| B1XA46 | 100 | PAETLDLIREYRVAI K GPLTTPVGGGIRSLN |
| B1XA46 | 242 | LVHKGNIKMFTEGAF K DWGYQLAREEFGGEL |
| B1XB26 | 62 | QGSQLTNKYAEQY P K RYYGCEYVDIVEQL |
| B1XB26 | 242 | THKTLAGPRGGLILA K GGSEELYKKLNSAVF |
| B1XB26 | 250 | RGGLILAKGGSEELY K KLNSAVFPGGQGGPL |
| B1XB26 | 277 | GGPLMHVIAGKAVAL K EAMEPEFKTYQQQVA |
| B1XB26 | 293 | EAMEPEFKTYQQQVA K NAKAMVEVFLEGRYK |
| B1XB26 | 331 | NHLFLVDLVDKNLTG K EADAALGRANITVNK |
| B1XB26 | 346 | KEADAALGRANITVN K NSVPNDPKSPFVTSG |
| B1XB26 | 354 | RANITVNKNSVPNDP K SPFVTSGIRVGTPAI |
| B1XGN9 | 115 | FLTDETARKHITAGAK K VVMTGPSKDNTPMF |
| B1XGN9 | 124 | HITAGAKKVMTGPS K DNTPMFVKGANFDKY |
| B1XGN9 | 132 | VVMTGPSKDNTPMFV K GANFDKYAGQDIVSN |
| B1XGN9 | 192 | HATTATQKTVDGPSH K DWRGGRGASQNIIPS |
| B1XGN9 | 213 | RGASQNIIPSSTGAA K AVGKVLPELNGKLTG |
| B1XGN9 | 217 | QNIIPSSTGAAKAVG K VLPPELNGKLTGMAFR |
| B1XGN9 | 225 | GAAKAVGKVLPELNG K LTGMAFRVPTPNVSV |
| B1XGN9 | 249 | PTPNVSVVDLTVRLE K AATYEQIKAAVKAAA |
| B1XGN9 | 257 | DLTVRLEKAATYEQI K AAVKAEEGEMKGV |
| B1XGN9 | 261 | RLEKAATYEQIKA K AAVKAEEGEMKGVLYTE |
| B1XGN9 | 331 | TGYSNKVLDLIAHIS K SIHAILDLVKNSTYT |
| B1XEK8 | 9 | FDFIKSMMSKIFDFV K PGVITGDDVQKVFQV |
| B1XEK8 | 72 | VIVQFSNGGASFIAG K GVKSDVPQGAAILGA |
| B1XEK8 | 115 | HYGVPVILHTDHC K LLPWIDGLLDAGEKH |
| B1XEK8 | 231 | RFTIAASFGNVHGVY K PGNVVLTPTILRDSQ |
| B1XEK8 | 251 | VLTPILRDSQEYVS K KHNLPNLSNLFVHFG |
| B1XEK8 | 319 | YKANEAYLQGGQ L GN P K GEDQPNKKYYDPRVW |
| B1XEK8 | 326 | LQGQ L GN P K GEDQPN K KYYDPRVWLRAGQTS |
| B1XEK8 | 348 | VWLRAGQTSMIARLE K AFQELNAIDVLVDIA |
| B1XBY2 | 38 | HGKTTTLTAAITTVLA K TYGGAARAFDQIDNA |
| B1XBY2 | 177 | DFPGDDTPIVRGSAL K ALEGDAEWEAKILEL |
| B1XBY2 | 249 | RGIIKVGEEVEIVGI K ETQKSTCTGVEMFRK |
| B1XBY2 | 253 | KVGEEVEIVGI K ETQ K STCTGVEMFRKLLDE |
| B1XBY2 | 295 | RGIKREEIERGQVLA K PGTIKPHTKFESEVY |

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| B1XBY2 | 314 | IKPHTKFESEVYILS K DEGGRHTPFFKGYRP |
| B1X843 | 63 | TEATTTLWDKVMEGV K LENRTHAPVDFDTAV |
| B1X843 | 107 | KQLEKIVGLQTEAPL K RALIPFGGIKMIEGS |
| B1X843 | 117 | TEAPLKRALIPFGGI K MIEGSCKAYNRELDP |
| B1X843 | 124 | ALIPFGGIKMIEGS C KAYNRELDPMIKKIFT |
| B1X843 | 195 | GDYRRVALYGIDYLM K DKLAQFTSLQADLEN |
| B1X843 | 454 | LAKTMLYAINGGVDE K LKMQVGPKSEPIKGD |
| B1X843 | 467 | DEKLKMQVGPKSEPI K GDVLNYDEVMERMDH |
| B1X843 | 654 | GRDQKGAVASLTSA K LPFAYAKDGISYTFS |
| B1XBY6 | 105 | AGAELVGMEDLADQI K KGEMNFDVVIASPA |
| B1XBY6 | 154 | NPKVGTVTPNVAEAV K NAKAGQVRNRNDKNG |
| B1XBY6 | 186 | IHTTIGKVDFDADKL K ENLEALLVALKKAKP |
| B1XBY6 | 197 | ADKLKENLEALLVAL K KAKPTQAKGVYIKKV |
| B1XBD9 | 70 | KRQAVTNPQNTLFAI K RRLIGRRFQDEEVQRD |
| B1XBD9 | 245 | EDFDSRLINYLVEEF K KDQGIDLRNDPLAMQ |
| B1XBD9 | 246 | DFDSRLINYLVEEF K KDQGIDLRNDPLAMQR |
| B1XBD9 | 304 | DATGPKHMNIKVTRA K LESLEDLVNRSIEP |
| B1XBD9 | 359 | TRMPMVQKKVAEFFG K EPRKDVNPDEAVAIG |
| B1XBD9 | 502 | SAKDKNSGKEQKITI K ASSGLNEDEIQKMVR |
| B1XBD9 | 528 | QKMVRDAEANAAD R KFEELVQTRNQGDHLL |
| B1XBD9 | 587 | LETALKGEDKAAIEA K MQELAQVSQKLMEIA |
| B1XDP7 | 51 | RNVVLDKSFGAPTIT K DGVSVAREIELEDKF |
| B1XDP7 | 117 | EGLKAVAAGMNPMDL K RGIDKAVTAAVEELK |
| B1XDP7 | 321 | GMELEKATLEDLGQA K RVVINKDTTTIIDGV |
| B1XDP7 | 390 | GVAVIKVGAATEVEM K EKKARVEDALHATRA |
| B1XBY5 | 81 | SFTFVTKTPPAVLL K KAAGIKSGSGKPNKD |
| B1X6H1 | 38 | PVTVIEVEANRVTQV K DLANDGYRAIQVTTG |
| B1XD38 | 115 | MLTNWKTVRQSIKRL K DLETQSQDGTDFDKLT |
| B1XDP6 | 34 | TKSAGGIVLTGSAAA K STRGEVLAVGNRIL |
| B1XDV3 | 71 | AKLAEVLAAANARAE K INALETVTIASKAGD |
| B1XDV3 | 112 | RDIADAVTAAGVEVA K SEVRLPNGVLRTTGE |
| P00366 | 84 | MVEGFFDRGASIVED K LVEDLKTRETEEQKR |
| P00366 | 110 | EEQKRNRVRSILRI K PCNHVLSLSFPIRRD |
| P00366 | 162 | KGGIRYSTDVSDEV K ALASLMTYKCAVVDV |
| P00366 | 363 | LEDFKLQHGTILGFP K AKIYEGSILEVDCDI |
| P00366 | 415 | IIAEGANGPTTPEAD K IFLERNIMVIPDLYL |
| P00366 | 457 | WLNNLNHVSYGRLTF K YERDSNYHLLMSVQE |
| P00366 | 503 | VPTAEFQDRISGASE K DIVHSGLAYTMERSA |
| P00366 | 527 | YTMERSARQIMRTAM K YNLGLDLRTAAYVNA |
| P00366 | 545 | LGLDLRTAAYVNAIE K VFRVYNEAGVTFTFT |
| P00346 | 239 | STLTGRIQEAGTEVV K AKAGAGSATLSMAYA |
| P00346 | 301 | PYFSTPLLLGKKGIE K NLGIGKISPFEEKMI |
| P00889 | 76 | GQITVDMMYGGMRGM K GLVYETSVLDPDEGI |
| Q93077 | 96 | PRHLQLAIRNDEELN K LLGRVTIAQGGVLPN |

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| Q5QNW6 | 35 | TKVQKKDGKKRKRSR K ESYSVYVYKVLKQVH |
| Q5QNW6 | 117 | LLPGELAKHAVSEGT K AVTKYTSSKSSTYKT |
| Q5QNW6 | 121 | ELAKHAVSEGTKAVT K YTSSKSSTYKTVAKT |
| Q71DI3 | 15 | MMARTKQTARKSTGG K APRKQLATKAARKSA |
| Q71DI3 | 57 | YRPGTVALREIRRYQ K STELLIRKLFPQRLV |
| Q71DI3 | 80 | KLPFQRLVREIAQDF K TDLRFQSSAVMALQE |
| Q71DI3 | 123 | TNLCAIHAKRVTIMP K DIQLARRIRGERARE |
| P62805 | 32 | KRHRKVLRDNIQGIT K PAIRRLARRGGVKRI |
| P62805 | 78 | LENVIRDAVTYTEHA K RKTVTAMDVVYALKR |
| P62805 | 92 | AKRKTVTAMDVVYAL K RQGRTLYGFGGGFGY |
| P04912 | 14 | SMMSGGKGKAGSAA K ASQSRSAGLTFPV |
| P04912 | 22 | GKAGSAAKASQSRS A KAGLTFPVGRVHRLLR |
| P02294 | 50 | KVRKETYSYIYKVL K QTHPDTGISQKSMIS |
| Q4AB57 | 36 | AGLQFPVGRIHRLLR K GNYAERVGAGAPVYL |
| P84040 | 80 | NVIRDAVTYTEHA K RKTVTAMDVVYALKRQG |
| P10853 | 109 | EIQTAVRLLLPGELAK H AVSEGTAVTKYTS |
| P10853 | 6 | APASKAPEPMMPEPA K SAPAPKKGSKKAVTK |
| H3BJC6 | 4 | FCRNSSIQKLAMMAL K QISSNRCFGGLQKVF |
| P25688 | 10 | DHYHAMMAHYHDNYG K NDEVEFVRTGYGKDM |
| P25688 | 277 | IHYFNIDMSKMGLIN K EEVLLPLDNPYGKIT |
| P25688 | 80 | IIPDTIKNTVHVL A KLRGIRNIETFAMNIC |
| P08228 | 10 | VAKMAMMAMKAVCVL K GDGPVQGTIHFEQKA |
| P08228 | 123 | SGEHSIIGRTMVVHE K QDDLKGKGGNEESTKT |
| P30115 | 195 | LLKALRSRVSNLPTV K KFLQPGSQRKPFDDA |
| P30115 | 138 | KIKEQTRNRYFP A FE K VLKSHGQDYLVGNR |
| D3YZQ9 | 42 | RLPVSKDSKSMATL K DQLIVNLLKEEQAPQ |
| D3YZQ9 | 51 | SKMATLKDQLIVNLL K EEQAPQNKITVVGVG |
| D3YZQ9 | 163 | QRNVNIFKFIIIPNIV K YSPHCKLLIVSNPVD |
| D3YZQ9 | 118 | QHGSFLKTPKIVSS K DYCVTANSKLVIIITA |
| D3YZQ9 | 155 | GESRLNLVQRNVNIF K FIIIPNIVKYSPHCKL |
| D3YZQ9 | 113 | EMMDLQHGSFLKTP K IVSSKDYCVTANSKL |
| D6RHN4 | 5 | LYSQGTKWSGMMGSW K TGQSYLAAGLLKNQV |
| D6RHN4 | 17 | GSWKTGQSYLAAGLL K NQVAVVTGGGTGIGK |
| A2AL20 | 13 | DSMMSDSRDPASDQ M KQWKEQRASQRPDVL |
| A2AL20 | 129 | GHLKDAQLFIQKKAV K NFTDVHPDYGARIQA |
| A2AL20 | 125 | ENIAGHLKDAQLFIQ K KAVKNFTDVHPDYGA |
| A2AL20 | 171 | NAIHTYTQAGSHMA A KGKANLNAKGKAAMHS |
| M0QWU8 | 8 | KDFEAQSMMSQAEFD K AAEEVKRLKTQPTDE |
| Q9QUH0 | 9 | NVFEQAMMAQEFVN C KIQSGKVVFIFKPTCP |
| Q9DCC7 | 178 | VLILQLVKDAAHPQF K EIQKILKEPVTDIGL |
| P97807 | 112 | KRAAAEVNQEYGLDP K IASAIMKAADVAEG |
| P97807 | 119 | NQEYGLDPKIASAIM K AADEVAEGKLNDFP |
| P97807 | 220 | LPGLQKLHDALS A KS K EFAQVIKIGRTHQTQD |
| P97807 | 77 | DKYYGAQTVRSTMN F KIGGATERMPIPVIQA |

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| P97807 | 58 | SQNSFRVEFDTFGELKVPTDKYYGAQTVRST |
| P97807 | 63 | RVEFDTFGELKVPTDKYYGAQTVRSTMNFKI |
| P97807 | 210 | AAAVEVHKVLLPGLQKLHDALSAKSKEFAQV |
| P35486 | 244 | MGTsverAAASTDYyKRGDFIPGLRVDGMDI |
| P35486 | 83 | MQTVRRMELKADQLYKQKIIRGFCHLCDGQE |
| P35486 | 63 | EGPPVTTVLTRDGLKYRMMQTVRRMELKA |
| P35486 | 385 | SSDPPFEVRGANQWIKFKSVSVSKFKIWQNA |
| P35486 | 77 | LKYRMMQTVRRMELKADQLYKQKIIRGFCH |
| P35486 | 321 | EIQEVRSKSDPIMLLKDRMVNSNLASVEELK |
| P35486 | 277 | VREATKFAAAYCRSGKGPILMELQTYRYHGH |
| P35486 | 313 | GVSyRTREEIQEVRSKSDPIMLLKDRMVNSN |
| P07724 | 588 | DDFAQFLDTCCAADKDTCFSTEGPNLVTRC |
| P07724 | 543 | AETFTFHSDICTLPEKEKQIKKQTALAEVLK |
| P07724 | 229 | LVSSVRQRMKCSSMQKFGERAFKAWAVARLS |
| P07724 | 223 | GVKEKALVSSVRQRMKCSSMQKFGERAFKAW |
| P07724 | 460 | PTLVEAARNLGRVGTCCCTLPEDQRLPCVED |
| E9Q8F4 | 117 | PDDLyRAAGAIQGMKEVLASDLVVKVRAPM |
| E9Q8F4 | 294 | KESGEGQGGYAKEMSKEFIEAEMKLFAQQCK |
| E9Q8F4 | 70 | KQLTVGVPKEIFQNEKRVALSPAGVQALVKQ |
| E9Q8F4 | 171 | YPAQNPDLLNKLSEKTTVLAMDQVPRVTIA |
| D6RFD7 | 30 | VSHFECRTQHskaAHKQEPGLGFSFELTEQQ |
| D3Z7X0 | 478 | LLVLKAAHLMDVAGNKAAALEMAMIKMVVPS |
| D3Z7X0 | 535 | FFGWAQTLRLGDDQLKVAKMELKNQSRLQEP |
| D3Z7X0 | 439 | LALMKTRVMSRTAFGKPLVEQGTLADIARS |
| F6RAZ3 | 225 | ALESARLLTWRAAMLKDNKKPFTKESAMAKL |
| F6RAZ3 | 65 | VIMSVNNSLYLGPIIKFGSAQQKQQWITPFT |
| Q99J08 | 393 | SFTVEVLLPDKAAEEKMNQQGADTPKPTDAG |
| Q99J08 | 253 | PVEYGGTMTDPDGNPKCKSKINYGGDIPKQY |
| Q99J08 | 51 | YFLLRWLRARSFDLQKSEAMLRKHVEFRKQK |
| Q99J08 | 257 | GGTMTDPDGNPKCKSKINYGGDIPKQYYVRD |
| Q99J08 | 11 | VRGSMMsGRVGDLSPKQEEALAKFRENVQDV |
| Q8BWT1 | 209 | NEAGYFNEEMAPIEVKTKKGKQTMQVDEHAR |
| Q8BWT1 | 211 | AGYFNEEMAPIEVKTKKGKQTMQVDEHARPQ |
| Q8BWT1 | 312 | VPAINGALKKAGLSLKDMDLIDVNEAFAPQF |
| Q8BWT1 | 137 | MSQSPYCVRNVRFGTKFGLDLKLEDTLWAGL |
| Q8BWT1 | 13 | LAMMALLRGVFIVAAKRTPPGAYGGLLKDFS |
| Q8BWT1 | 212 | GYFNEEMAPIEVKTKKGKQTMQVDEHARPQT |
| Q8BWT1 | 214 | FNEEMAPIEVKTKKGKQTMQVDEHARPQTTL |
| Q8BWT1 | 158 | KLEDTLWAGLTDQHVKLPMGMTAENLAAKYN |
| Q8BWT1 | 171 | HVKLPMGMTAENLAAKYNISREDCDRYALQS |
| Q8BWT1 | 234 | VDEHARPQTTLQLQLKLPsvFKKDGTvtAGN |
| Q8BWT1 | 191 | REDCDRYALQSQQRWKAANEAGYFNEEMAPI |
| Q9CR57 | 189 | KAAGQKAPAQKAAGQKAAPPAKGQKGQKTPA |
| Q9CR57 | 85 | QKYVRKAWEKADINTKWAATRWAkkIDARER |

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| P17182 | 335 | LTVTNPKRIAKAASE | K | SCNCLLLKVNQIGSV |
| P17182 | 420 | AKYNQILRIEEELGS | K | AKFAGRSFRNPLAKA |
| P17182 | 228 | FAPNILENKEALELL | K | TAIAKAGYTDQVVIG |
| P02088 | 18 | HLTDAEKA AVSCLWG | K | VNSDEVGGEALGRLL |
| P09411 | 48 | QITNNQRIKAAVPSI | K | FCLDNGAKSVVLM SH |
| P09411 | 6 | DLTLKNSLSMMSLSN | K | LTLDKLDVKGKRVVM |
| P09411 | 191 | MVGVNLPQKAGGFLM | K | KELNYFAKALES PER |
| P09411 | 192 | VGVNLPQKAGGFLM | K | KELNYFAKALES PERP |
| P09411 | 11 | NSLSMMSLSNKLTL D | K | L DVKGKRVVMRVDFN |
| P09411 | 91 | YSLEPVAAELKSLLG | K | DVLF LKDCVGPEVEN |
| P09411 | 361 | EAFARGTKSLMDEVV | K | ATSRGCITIIIGGGDT |
| Q9DC50 | 406 | ASDLQIAASTFTSFG | K | KLTKEEALHPDTFIQ |
| Q9DC50 | 181 | CKVPGITRDSIMNYF | K | TESEGHCPHIAVLC |
| Q9DC50 | 40 | VPAL EESLKKYLESV | K | PFANEDEYKKTEEIV |
| Q91YY4 | 133 | NPTQRSKDQLIRAAV | K | FLD TDTICYRV EEP E |
| P51660 | 139 | LRGSFQVTRA AWDHM | K | KQNYGRILMTSSASG |
| P51660 | 275 | RNQPM TPEAVRDNWE | K | ICDFS NASKPQTIQE |
| P51660 | 46 | ER GALVIVNDLGGDF | K | GIGKGSSAADKVVAE |
| P51660 | 662 | AVFEWHITKGGTVAA | K | WTIDLKSGSGEVYQG |
| P51660 | 724 | FSGRLKARGNIMLSQ | K | LQMILKDYAKLKAYD |
| P51660 | 57 | GGDFK GIGKGSSAAD | K | VVAEIRRKG GKAVAN |
| P51660 | 355 | ELQSIMYALGV GASV | K | NPKDLKFVYEGSADF |
| P51660 | 578 | AKPVYPGQTLQTEMW | K | EGNRIHFQTKVHETG |
| P51660 | 423 | QYLELYKPLPRSGEL | K | CEAVIADILDKGSGV |
| P01942 | 41 | GAEALERMFA SFPTT | K | TYFP HFDVSHGSAQV |
| P01942 | 8 | KDEGSLVMMVLSGED | K | SNIKAAWGKIGGHGA |
| D3Z636 | 68 | HYISPFHDIPLKADC | K | EEHDI PRKKARND EY |
| D3Z636 | 254 | PDGKPENKFAFNGEF | K | NKAFALDVINSAHER |
| D3Z636 | 256 | GKPENKFAFNGEFKN | K | AFALDVINSAHERWK |
| D3Z636 | 246 | NWFRLYKVPD GKPEN | K | FAFNGEFKNKAFALD |
| D3Z636 | 100 | NLFNMVVEI PRWTNA | K | MEIATEEPLNPIKQD |
| P56480 | 264 | EMIESGVINLKDATS | K | VALVYGQMNEPPGAR |
| P56480 | 124 | RTIAMDGTEGLVRGQ | K | VLD SGAPIKIPVGPE |
| P56480 | 133 | GLVRGQKVLD SGAPI | K | IPVGPETLGRIMNVI |
| P56480 | 198 | LVTGIKVVDLLAPYA | K | GKGIGLFGGAGVGKT |
| P32020 | 511 | TITMADSDLLALMTG | K | MNPQSAFFQGK LKIA |
| P32020 | 470 | IGGIFAFKVKDGP GG | K | EATWVVDVKNKGKSV |
| P32020 | 479 | KDGP GGKEATWVVDV | K | NGKGSVLPNSDKKAD |
| P32020 | 341 | QGGTLVDRGDNTYGG | K | WVINPSGGLISKGHP |
| P32020 | 491 | VDVKNGKGSVLPNSD | K | KADCTITMADSDLLA |
| P32020 | 462 | EGEQFVKKIGGIFAF | K | VKDGP GGKEATWVVD |
| P32020 | 492 | DVKNGKGSVLPNSDK | K | ADCTITMADSDLLAL |
| P32020 | 454 | EIEKKLEEEGEQFVK | K | IGGIFAFKVKDGP GG |
| P32020 | 443 | GDGFKANLVFKEIEK | K | LEEEGEQFVKKIGGI |

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| P32020 | 453 | KEIEKKLEEEGEQFVKKIGGIFAFKVKDGP |
| P32020 | 524 | TGKMNPQSAFFQGKLKIAGNMGLAMKLQNLQ |
| P32020 | 522 | LMTGKMNPQSAFFQGKLKIAGNMGLAMKLQNL |
| P32020 | 274 | MMTDLPSTFEEKSIIKVVGYSMSKEAARRCY |
| P32020 | 432 | HQVSAAPTSSAGDGFKANLVFKEIEKKLEEE |
| P32020 | 464 | EQFVKKIGGIFAFKVKDGGPGKEATWVVDVK |
| P32020 | 282 | FEEKSIIKVVGYSMSKEAARRCYEKSGLTPN |
| A2BGI8 | 19 | EVGRMKIELFADVVPKTAENFRQFCTGEFRK |
| D3YVC1 | 58 | GRGRGRGARGGKAEDKEWIPVTKLGRLVKDM |
| G3UYH1 | 54 | NKLFINNEWHDAVSKKTFPTVNPTTGEVIGH |
| Q99J39 | 167 | FLVQLRADLLEAQALKLVEGPHVREMNGVLK |
| Q99J39 | 221 | EVLQKISECEAVHPVKNWMDMKRRVGPYRRC |
| Q99J39 | 346 | PGFTKWLLGLLNVQGEHGRNELFTDSECQE |
| P50544 | 72 | SSDASTREKPARAESKSFAVGMFKGQLTIDQ |
| Q9WVM8 | 263 | SMDVDGRVIRADTFSTVSSGLRVGFMTGPK |
| Q9WVM8 | 69 | TVENGSTIRFEDDLIKRALQYSPSYGIPELL |
| Q9WVM8 | 367 | AGMFLWIKVKGISDTKQLIEEKAIEREVLLV |
| Q9WVM8 | 172 | INVPSDEHGIIPEGLKKILSQWKPEDSKDPT |
| Q9WVM8 | 327 | EEGFLAHIDRTIDFYKNQRDSILAAADKWLR |
| Q9WVM8 | 28 | ARKPSPIRTTADILSKAPKTLISLAPGSPNP |
| Q8C196 | 522 | GMGGQTALNCGVELFKRGVLKEYGVKVLGTS |
| Q8C196 | 119 | GGAPDTTARDELGLNKYMESDGIKVAGLLVL |
| Q8C196 | 1444 | DGSIDLVINLPNNNTKFVHDNYVIRRTAVDS |
| Q8C196 | 889 | DKWFLYKMRDILNMDKTLKGLNSDSVTEETL |
| Q8C196 | 458 | YSGSQAVKAMKEENVKTVLMNPNIASVQTNE |
| Q8C196 | 915 | TEETLRKAKEIGFSDKQISKCLGLTEAQTRE |
| Q8C196 | 612 | SGICPNKETLIDLGTKAFAMTNQILVERSVT |
| Q8C196 | 1183 | KFVEGAREVEMDAVGKEGRVISHAISEHVED |
| Q8C196 | 1232 | QGAIEKVKDATTRKIAKAFAISGPFNVQFLVK |
| Q8C196 | 575 | KIAPSFAVESMEDALKAADTIGYPVMIRSAY |
| Q8C196 | 793 | LDRFHGTSSRIGSSMKSVGEVMAIGRTFEES |
| Q8C196 | 1360 | AFLKAMLSTGFKIPQKGILIGIQQSFRPRFL |
| Q8C196 | 841 | RLPMNKEWPANLDLKKELSEPSSTRIYAIK |
| Q8C196 | 287 | QPLIQNVKKILES DRKEPLFGISTGNIITGL |
| Q8C196 | 400 | TDTEYLFDSFFSLIKKGKGTITITSVLPKPAL |
| Q8C196 | 402 | TEYLFDSFFSLIKKGKGTITITSVLPKPALVA |
| Q8C196 | 307 | GISTGNIITGLAAGAKSYKMSMANRGQNQPV |
| Q8C196 | 1479 | LTNFQVTKLF AEAVQKSRTVDSKSLFHYRQY |
| Q8C196 | 560 | EDRQLFSDKLEINEKIAPSFAVESMEDALK |
| Q8C196 | 831 | CHPSVDGFTPRLPMNKEWPANLDLKKELSEP |
| Q8C196 | 875 | NNMSLDEIVRLTSIDKWFLYKMRDILNMDKT |
| Q8C196 | 57 | KAKTAHIVLEDGTKMKGYSFGHPSSVAGEVV |
| Q8C196 | 1074 | QIPNNLAVPLYKNGVKIMGTSPLQIDRAEDR |
| Q8C196 | 757 | ALGIPLPEIKNVVSGKTSACFEPSLDYMVTK |

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| Q8C196 | 919 | LRKAKEIGFSDKQIS | K | CLGLTEAQTRELR | LRK | | | | | | | | | | | | | | | | | |
| Q8C196 | 603 | SAYALGGLGSGICPN | K | ETLIDLGTAFAMTN | | | | | | | | | | | | | | | | | | |
| Q8C196 | 1269 | IECNLRASRSFPFVS | K | TLGVDFIDVATK | VMI | | | | | | | | | | | | | | | | | |
| Q8C196 | 157 | HWLATKSLGQWLQEE | K | VPAIYGVDTRMLTKI | | | | | | | | | | | | | | | | | | |
| Q8C196 | 55 | SVKAKTAHIVLEDGT | K | MKGYSFGHPSSVAGE | | | | | | | | | | | | | | | | | | |
| Q8C196 | 1471 | AVDSGIALLTNFQVT | K | LFAEAVQKSRTVDSK | | | | | | | | | | | | | | | | | | |
| Q8C196 | 892 | FLYKMRDILNMDKTL | K | GLNSDSVTEETLRKA | | | | | | | | | | | | | | | | | | |
| Q8C196 | 1486 | KLFAEAVQKSRTVDS | K | SLFHRYQYSAGKAAA | | | | | | | | | | | | | | | | | | |
| Q8C196 | 214 | NLIAEVSTKDVKVFG | K | GNPTKVVAVDCGIKN | | | | | | | | | | | | | | | | | | |
| Q8C196 | 1291 | IDVATKVMIGESIDE | K | RLPITLEQPIIPSDYV | | | | | | | | | | | | | | | | | | |
| Q8C196 | 1168 | EEATRVSQEHPVVL | T | K | FVEGAREVEMDAVGK | | | | | | | | | | | | | | | | | |
| F6T930 | 30 | VLTGGDKAFAAGADI | K | EMQNRTFQDCYSSKF | | | | | | | | | | | | | | | | | | |
| F6T930 | 183 | FATDDRREGMTAFVE | K | RKANFKDHDKFN | AKR | | | | | | | | | | | | | | | | | |
| F6T930 | 44 | IKEMQNRTFQDCYSS | K | FLSHWDHITRVKKPV | | | | | | | | | | | | | | | | | | |
| Q9JJL8 | 337 | MVCASTCYRAETDTG | K | EPWGLYRVHHFTKVE | | | | | | | | | | | | | | | | | | |
| Q9JJL8 | 195 | VGDESQARVVRVVG | E | K | PAFSFQPRGHLEIGE | | | | | | | | | | | | | | | | | |
| P48962 | 272 | CWRKIAKDEGANAFF | K | GAWSNVLRGMGGA | FV | | | | | | | | | | | | | | | | | |
| P48962 | 43 | PIERVKLLLQVQH | A | S | KQISAEKQYKGIIDCV | | | | | | | | | | | | | | | | | |
| P48962 | 92 | NVIRYFPTQALNFA | F | K | DKYKQIFLGGVDRHK | | | | | | | | | | | | | | | | | |
| P48962 | 166 | QREFNGLGDCLTKI | F | K | SDGLKGLYQGFSVSV | | | | | | | | | | | | | | | | | |
| P48962 | 63 | EKQYKGIIDCVVR | I | P | K | EQGFLSFWRGNL | ANV | | | | | | | | | | | | | | | |
| P48962 | 245 | PFDTVRRRMMMQS | G | R | K | GADIMYTGTLDC | WRK | | | | | | | | | | | | | | | |
| P51174 | 81 | KFFQEEVIPHHT | E | W | E | K | AGEVSREVWEKAGKQ | | | | | | | | | | | | | | | |
| P51174 | 165 | TKEQIEKFIPQMT | A | G | K | CIGAIAMTEPGAGSD | | | | | | | | | | | | | | | | |
| P51174 | 66 | RIFSSEHDIFRES | V | R | K | FFQEEVIPHHT | WEK | | | | | | | | | | | | | | | |
| P51174 | 42 | CSHSGAEARLETP | S | A | K | KLTDVGIRRIF | SEH | | | | | | | | | | | | | | | |
| P51174 | 279 | EDVRLPANALLGE | E | N | K | GFYYLMQELPQERLL | | | | | | | | | | | | | | | | |
| P51174 | 240 | SPAHGISLFLVEN | G | M | K | GFIKGRKLHKMG | MKA | | | | | | | | | | | | | | | |
| P45952 | 69 | KFAREEIIPVAPE | Y | D | K | S | GEYPFPLIKRAWEL | | | | | | | | | | | | | | | |
| P45952 | 271 | RVPKENVLIGEG | A | G | F | K | IAMGAFDRTTRPTVAA | | | | | | | | | | | | | | | |
| P45952 | 179 | SAGSDVAAIKTK | A | E | K | G | DEYVINGQKMWITN | | | | | | | | | | | | | | | |
| P45952 | 79 | APEYDKSGEYPF | P | L | I | K | RAWELGLINAHIPES | | | | | | | | | | | | | | | |
| P45952 | 212 | KANWYFLLARSN | P | D | P | K | VPASKAFTGFIVEAD | | | | | | | | | | | | | | | |
| P45952 | 217 | FLLARSNPDPKVP | A | S | K | AFTGFIVEADTPGIH | | | | | | | | | | | | | | | | |
| P45952 | 259 | CSDTRGIAFEDVR | V | P | K | E | NVLIGEGAGFKIAM | | | | | | | | | | | | | | | |
| Q8K2B3 | 250 | IALCIEDGSIHR | I | R | A | K | NTVIATGGYGR | TYFS | | | | | | | | | | | | | | |
| Q8K2B3 | 498 | SIKANAGEESVM | N | L | D | K | LRFADGSIRTSELRL | | | | | | | | | | | | | | | |
| Q8K2B3 | 547 | LQEGCEKISQLY | G | D | L | K | H | LKT | FDRGMVWNTDL | | | | | | | | | | | | | |
| Q8K2B3 | 167 | ELENYGMPFSRT | E | D | G | K | I | YQ | RAFGGQSLKFGK | | | | | | | | | | | | | |
| Q8K2B3 | 636 | HWRKHTLSYVDI | K | T | G | K | V | T | LEYR | PVIDKTLNE | | | | | | | | | | | | |
| Q8K2B3 | 615 | RVDEYDYSKPIQ | G | Q | Q | K | K | P | FGEHWRKHTLSYV | | | | | | | | | | | | | |
| Q8K2B3 | 538 | AAVFRVGSVLQ | E | G | C | E | K | I | S | QLYGDLKHLKTFD | | | | | | | | | | | | |
| Q8K2B3 | 335 | NSQGERFMERY | A | P | V | A | K | D | L | ASRDVVSRSMTLE | | | | | | | | | | | | |
| Q9CQ69 | 33 | SLSPFEQRAFP | S | Y | F | S | K | G | I | P | N | V | L | R | R | T | R | E | R | I | L | R |

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| E0CX19 | 220 | DVHRAGIATHFVDSE | KLRVLEEEELLALKSPS |
| E0CX19 | 256 | GVLESYHAKSKMDQD | KSIIFEEHMDKINSCF |
| E0CX19 | 54 | LERRGCGGVITLNR | P |
| E0CX19 | 249 | PSAEDVAGVLESYHAKSKMDQDKSIIFEEHM | |
| Q61425 | 95 | KKFTENPKAGDEFVE | KTLSCSLSTSTDAASVV |
| Q61425 | 241 | YLIEAVRLHERGDAS | KEDIDTAMKLGAGYPM |
| Q61425 | 212 | LVDFCKTLGKHPVSC | KDTPGFIVNRLLPYL |
| Q61425 | 81 | SKKGIEESLKRMAK | KFTENPKAGDEFVEKT |
| Q61425 | 80 | KSKKGIEESLKRMAK | KFTENPKAGDEFVEK |
| Q61425 | 202 | PMTSQKTFESLVDFC | KTLGKHPVSCKDTPGF |
| Q61425 | 206 | QKTFESLVDFCKTLG | KHPVSCKDTPGFIVNR |
| Q61425 | 125 | VHSTDLVVEAIVENL | KLKNELFQRLDKFAAE |
| D3Z0K8 | 337 | TRTLNLEKAGISTNP | KNQKIIVDAQEATSVP |
| D3Z0K8 | 175 | SFVDEHTVRGVDKGG | KATLLSAEHIVATGG |
| D3Z0K8 | 79 | KVAVADYVEPSPRGT | KWGLGGTCVNVGCIPK |
| D3Z0K8 | 329 | WAIGRVPETRTLNL | EKAGISTNPKNQKIIVD |
| D3Z0K8 | 158 | HRVQLQDRKVYFNI | KASFVDEHTVRGVDKG |
| Q78IK2 | 16 | MAGAESDGQFQFTGI | KKYFNSYTLTGRMNCV |
| Q99K67 | 93 | ILQEDITEACLILGV | KRPPEEKLMSSKITYAF |
| Q99K67 | 707 | FPGLNLEGYPNRDSI | KYAEIYGISSAHTLLR |
| Q99K67 | 761 | EAYPALRPEANPLTW | KQLLCDLVGISRSSPC |
| Q99K67 | 253 | LPCEYVEPHELREVS | KTGDLRKVYGTVLSRH |
| Q99K67 | 732 | AHTLLRGTLRYKGY | S |
| Q99K67 | 138 | LDEVLKQEIRLIDYE | KMVDHRGSRIVAFGQW |
| Q99K67 | 780 | CDLVGISRSSPCEKL | KEVVFTKLGGDNTQLE |
| Q99K67 | 333 | RLLTRQDAQSLLVPV | KSSVVPVEGCPPELPHK |
| Q99K67 | 778 | LLCDLVGISRSSPCE | KLKEVVFTKLGGDNTQ |
| Q99K67 | 286 | LVRKTDGVYDPVEYE | KYPERYTSRFNTDIAP |
| Q61176 | 39 | VEKGPAALRKAGLLE | KLKETEYDVRDHGDLA |
| Q61176 | 41 | KGPAALRKAGLLEKL | KETEYDVRDHGDLAFV |
| Q61176 | 17 | SSKPKSLEIIGAPFS | KGQPRGGVEKGPAALR |
| Q8BMS1 | 214 | DMMLTGRNIRADRAK | KMGLVDQLVEPLGPGI |
| Q8BMS1 | 350 | ESKALMGLYNGQVLC | KKNKFGAPQKNVQQLA |
| Q8BMS1 | 436 | ERDSIFSNLIGQLDY | KGFEEKADMVIEAVFED |
| Q8BMS1 | 334 | GYLAESQKFGELALT | KESKALMGLYNGQVLC |
| Q8BMS1 | 644 | GRKSGKGFYIYQEGS | KNKSLNSEMDNILANL |
| Q8BMS1 | 569 | MMSEVMRILQEGVDP | KKLDALTTGFGFPVGA |
| Q8BMS1 | 166 | ELAIACQYRIATKDR | KTVLGVPEVLLGILPG |
| Q8BMS1 | 664 | NSEMDNILANLRLPA | KPEVSSDEDVQYRVIT |
| Q8BMS1 | 129 | QEATRISQEGQRMFE | KLEKSPKPVVAAISGS |
| Q8BMS1 | 230 | MGLVDQLVEPLGPGI | KSPEERTIEYLEEVAV |
| Q8BMS1 | 516 | SPVDKMQLLEIITTD | KTSKDTTASAVAVGLR |
| Q8BMS1 | 353 | ALMGLYNGQVLC | KKNKFGAPQKNVQQLA |
| Q8BMS1 | 646 | KSGKGFYIYQEGSKN | KSLNSEMDNILANLRL |

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| Q8BMS1 | 295 | QQVYKTVEEKVKKQT K GLYPAPLKIIDAVKA |
| Q8BMS1 | 46 | TSSALLTRTHINYGV K GDVAVIRINSPNSKV |
| Q8BMS1 | 505 | RPEKVIGMHYFSPVD K MQLLEIITTDKTSKD |
| Q8BMS1 | 460 | IEAVFEDLGVKHKVL K EVESVTPEHCIFASN |
| Q8BMS1 | 390 | GIAQVSVDKGLKTLL K DTTVTGLGRGQQQVF |
| D6RIL6 | 193 | QYKATDFVVDRACT K LVFTPKDGSSAKEWE |
| D6RIL6 | 106 | QTNDQVTIDSALATQ K YSVAVKCATITPDEA |
| D6RIL6 | 155 | RNILGGTVFREPII C K NIPLVPGWTKPITI |
| D6RIL6 | 80 | FIKEKLILPHVDVQL K YFDLGLPNRDQTNDQ |
| D6RIL6 | 166 | PIICKNIPLVPGWT K PITIGRHAHGDQYKA |
| P26443 | 477 | SNYHLLMSVQESLER K FGKHGGTIPVVPTAE |
| P26443 | 480 | HLLMSVQESLER K FGKHGGTIPVVPTAEFQD |
| P26443 | 90 | DRGASIVEDKLVEDL K TRESEEQKRNRVRGI |
| P26443 | 147 | IEGYRAQHSQHRT P K GGIRYSTDVSVDEVK |
| Q9DCM2 | 158 | VKAGMSTAQAQHFLE K ISTQQVKNKLIENTD |
| Q9DCM2 | 144 | DEDITEYQSILAAAV K AGMSTAQAQHFLEKI |
| Q9DCM2 | 93 | QVPLNIPKDFFG E TV K KGSINAMRFLTTVSM |
| Q9DCM2 | 74 | VPRKGQYIFKEIPL L K QFFQVPLNIPKDFFG |
| Q9DCM2 | 116 | RFLTTVSMEQPEMLE K VSREIWMRVWSRDED |
| Q9DCM2 | 165 | AQAQHFLEKISTQQV K NKLIENTDAACKYGA |
| Q9DCM2 | 167 | AQHFLEKISTQQV K NKLIENTDAACKYGAFG |
| Q9DCM2 | 49 | NIKLQLRPTLIAGIM K DSGNQPPAMVPRKGQ |
| Q9DCM2 | 193 | YGAFGLPTTVAHVDG K TYMLFGSDRLELLAY |
| Q9DCM2 | 36 | LGFEVLCRYQHLWNI K LQLRPTLIAGIMKDS |
| H3BJQ7 | 145 | VFVIEEWGRAHQAE G K VRLLADPTGAFGKAT |
| P19783 | 60 | PLPDVAHVMTLSAS Q KALKEKEKADWSSLSR |
| D3Z4U1 | 45 | NHVTRAHVYVEEVPW K RFEKNGIKHVHAFIH |
| D3Z4U1 | 147 | DFAIWIWGAVRDIVL Q KFAGPYDKGEYSPSVQ |
| D3Z4U1 | 112 | FEGFLKDQFTTLPEV K DRCFATQVYCKWRYQ |
| D3Z4U1 | 154 | AVRDIVLQKFAGPYD K GEYSPSVQKTLYDIQ |
| B1ASE2 | 85 | FEKKYNALKIPVPED K YTALVDQEEKEDVKS |
| B1ASE2 | 72 | YRANVAKPGLVDDFE K KYNALKIPVPEDKYT |
| B1ASE2 | 117 | AEFVSGSQLRIQ E YE K QLEKMRNIIPFDQMT |
| B1ASE2 | 78 | KPGLVDDFEKKYNAL K IPVPEDKYTALVDQE |
| Q9QYR9 | 447 | VAQVDAWQQQTFFH K QLGSKSKSGLQKHFF |
| P12710 | 36 | AIGLPEDLIQKGKD I K GVSEIVHEGKKIKLT |
| P12710 | 49 | DIKGVSEIVHEGKK I K LTIITYGPKVVRNEFT |
| P12710 | 96 | AVVKLEGDNKMVT T K GIKSVTELNGDTITN |
| P12710 | 121 | GDTITNTMTLGDIVY K RVSKRIRKSVRKYVI |
| Q91XE0 | 167 | NLSTGSGKPKAIDQD K FKLSSLDVVHAALVN |
| Q91XE0 | 169 | STGSGKPKAIDQDK F K LSSLDVVHAALVNKF |
| Q91XE0 | 141 | IKHSENILYVSSET I K KLFPSLLDTKNLSTG |
| Q91XE0 | 16 | MIVPLQGAQMLQ M K SLRKYLPESLKVYGT |
| Q91XE0 | 142 | KHSENILYVSSET I K LFPSLLDTKNLSTGS |

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| Q91XE0 | 256 | GLVSFVVHSQDQIMT | K | R | G | Y | P | V | Y | S | H | T | E | K | S | N | I | A |
| Q91XE0 | 159 | FPSLLDTKNLSTGSG | K | P | K | A | I | D | Q | D | K | F | K | L | S | S | L | D |
| Q91XE0 | 161 | SLLDTKNLSTGSGK | P | K | A | I | D | Q | D | K | F | K | L | S | S | L | D | V |
| Q91XE0 | 127 | NKTIQNLASIQSFQ | I | K | H | S | E | N | I | L | Y | V | S | S | E | T | I | K |
| D3Z106 | 179 | LVPEVESVASECPD | L | K | T | K | L | V | V | S | D | H | S | H | E | G | W | L |
| D3Z106 | 507 | SHDQEQLIKELQH | H | V | K | S | V | T | A | P | Y | K | Y | P | R | K | V | E |
| D3Z106 | 352 | TTGGESLLPEEYEQ | W | K | Q | R | T | G | L | S | I | H | E | V | Y | G | Q | S |
| D3Z106 | 474 | EHPAVAESAVVSSP | D | K | R | G | E | V | V | K | A | F | I | V | L | N | P | E |
| D3Z106 | 200 | SDHSHEGWLDFC | S | L | I | K | S | A | S | P | D | H | T | C | I | K | S | K |
| D3Z106 | 233 | AIFFTSGTTGYPK | M | A | K | H | N | Q | G | L | A | F | R | S | Y | I | P | S |
| D3Z106 | 324 | QCLAAPGVYRMVL | Q | K | T | S | N | L | R | F | P | T | L | E | H | C | T | T |
| D3Z106 | 514 | IKELQHHVKSVT | A | P | Y | K | Y | P | R | K | V | E | F | V | S | E | L | P |
| Q3UUI3 | 89 | PTRAIQEFQTLF | V | D | S | K | F | K | K | E | E | Q | M | S | K | A | Q | Q |
| Q3UUI3 | 197 | SVVVVNSQLQK | I | E | G | R | K | L | F | V | S | C | T | I | Q | S | I | D |
| Q3UUI3 | 46 | KVIRKDYALPN | P | S | W | T | K | D | L | R | L | L | F | D | Q | F | M | K |
| Q3UUI3 | 57 | PSWTKDLRLL | F | D | Q | F | M | K | C | E | D | G | S | W | K | R | M | P |
| Q99KI0 | 689 | AALEPRHLGGRA | I | T | K | S | F | A | R | I | H | E | T | N | L | K | K | Q |
| Q99KI0 | 144 | LIEAQVGGEKDL | R | R | A | K | D | I | N | Q | E | V | Y | N | F | L | A | T |
| Q99KI0 | 31 | GVRQYHVASVLC | Q | R | A | K | V | A | M | S | H | F | E | P | S | E | Y | I |
| Q99KI0 | 411 | SAAVAKQALAH | G | L | K | C | K | S | Q | F | T | I | T | P | G | S | E | I |
| Q99KI0 | 605 | GKCTTDHISAAG | P | W | L | K | F | R | G | H | L | D | N | I | S | N | N | L |
| Q99KI0 | 736 | VDKLTIQGLKDF | A | P | G | K | P | L | K | C | V | I | K | H | P | N | G | T |
| Q99KI0 | 628 | ISNNLLIGAINI | E | N | G | K | A | N | S | V | R | N | A | V | T | Q | E | F |
| Q99KI0 | 591 | GKDLEDLQILIK | V | K | G | K | C | T | T | D | H | I | S | A | A | G | P | W |
| Q99KI0 | 723 | TFADPSDYNKI | H | P | V | D | K | L | T | I | Q | G | L | K | D | F | A | P |
| Q99KI0 | 730 | YNKIHPVDKLT | I | Q | G | L | K | D | F | A | P | G | K | P | L | K | C | V |
| Q99KI0 | 549 | RSDFDPGQD | T | Y | Q | H | P | P | K | D | S | S | G | Q | R | V | D | S |
| Q99KI0 | 138 | TIHCDHLIEAQ | V | G | G | E | K | D | L | R | R | A | K | D | I | N | Q | E |
| Q99KI0 | 233 | AGIPWELKCPK | V | I | G | V | K | L | T | G | S | L | S | G | W | T | S | P |
| Q99KI0 | 577 | SQRLQLLEPFD | K | W | D | G | K | D | L | E | D | L | Q | I | L | I | K | V |
| Q99KI0 | 50 | SHFEPSEYIRY | D | L | L | E | K | N | I | N | I | V | R | K | R | L | N | R |
| Q99KI0 | 228 | AVDVMAGIPW | E | L | K | C | P | K | V | I | G | V | K | L | T | G | S | L |
| Q99KI0 | 401 | TNSSYEDMGR | S | A | A | V | A | K | Q | A | L | A | H | G | L | K | C | K |
| P28474 | 233 | RIIGIDINKDK | F | A | K | A | K | E | F | G | A | S | E | C | I | S | P | Q |
| Q8BJ64 | 507 | SHVQSDKEIDA | F | V | R | A | K | A | D | S | A | Y | H | P | S | C | T | C |
| Q8BJ64 | 438 | QVHVGTMRAT | S | V | G | W | L | K | L | R | S | A | N | P | R | D | H | P |
| Q8BJ64 | 498 | FRGKELQPG | S | H | V | Q | S | D | K | E | I | D | A | F | V | R | A | K |
| Q8BJ64 | 486 | SREIFAQEAL | A | P | F | R | G | K | E | L | Q | P | G | S | H | V | Q | S |
| P00329 | 340 | SKDSVPKLVAD | F | M | A | K | K | F | P | L | D | P | L | I | T | H | V | L |
| P26043 | 83 | QDVKKENPLQ | F | K | F | R | A | K | F | F | P | E | D | V | S | E | E | L |
| Q8BWF0 | 347 | NRFLVQRGI | H | D | S | F | V | T | K | F | A | E | A | M | K | K | S | L |
| Q8BWF0 | 114 | SWKGVSVKERS | L | L | L | R | K | W | Y | D | L | M | I | Q | N | K | D | D |
| Q8BWF0 | 390 | KAVEKVEKQ | V | N | D | A | V | A | K | G | A | T | V | V | T | G | G | R |
| Q8BWF0 | 123 | RSLLLRLK | W | Y | D | L | M | I | Q | N | K | D | D | L | A | K | I | I |

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| P34914 | 176 | PEPQIYNFLDLTLKA K PNEVVFLDDFGSNLK |
| P34914 | 371 | LNTPFMPPDPDVSPM K VIRSIPVFNYQLYFQ |
| P34914 | 55 | AYQTEFPEGPTQLM K GKITFSQWVPLMDES |
| P34914 | 504 | MVTAEKDIVLRPEMS K NMEKWIPFLKRGHIE |
| P34914 | 57 | QTEFPEGPTQLM K GKITFSQWVPLMDESYR |
| P34914 | 454 | KITTEEEIEFYIQQF K KTGFRGPLNWYRNTE |
| P34914 | 508 | EKDIVLRPEMSKNME K WIPFLKRGHIEDCGH |
| O08749 | 430 | EFKIGKFPFAANSRA K TNADTDGMVKILGHK |
| O08749 | 104 | KALLNNSHYHMAHG K DFASRGIEIPEVRLN |
| O08749 | 143 | HSVKALTGGIAHLF K QNKVVHVNGFGKITG |
| O08749 | 277 | QRILQRQGFKFLNT K VTGATKKS DGKIDVS |
| O08749 | 420 | SEEQLKEEGIEFKIG K FPFAANSRAKTNADT |
| O08749 | 122 | ASRGIEIPEVRLNLE K MMEQKHSVKALTGG |
| O08749 | 166 | NGFGKITGKNQVTAT K ADGSTQVIDTKNILV |
| O08749 | 334 | TQNLGLEELGIELDP K GRIPVNNRFQTKIPN |
| O08749 | 410 | THPEVAWVGKSEEQL K EEGIEFKIGKFPFAA |
| O08749 | 155 | HLFKQNKVVHVNGFG K ITGKNQVTATKADGS |
| D3YZC0 | 61 | SLSSVEYEPKEKTFD K ILIANRGEIACRVIK |
| D3YZC0 | 140 | KRAKVNTIPGFDGVV K DADEAVRIAREIGYP |
| P24270 | 98 | GYFEVTHDITRYSKA K VFEHIGKRTPIAVRF |
| P24270 | 221 | PDGHRHMNGYGSHTF K LVNADGEAVYCKFHY |
| P24270 | 430 | QSALEHSVQCAVDV K RFNSANEDNVTQVRT |
| P24270 | 449 | SANEDNVTQVRTFYT K VLNEEERKRLCENIA |
| F7CFA5 | 54 | IWNPDGIDPKELEDF K LQHGSILGFPKAKVY |
| E9PUY9 | 57 | CNMPKPGMLDFVNKA K WDAWNALGSLPKETA |
| E9PUY9 | 27 | LNQVKLLKKDPGNEV K LRLYALYKQATEGPC |
| E9PUY9 | 126 | SEDGITKITFNRPT K NAISFQMYRDIILAL |
| E9PUY9 | 35 | KDPGNEVKLRLYALY K QATEGPCNMPKPGML |
| E9PUY9 | 46 | YALYKQATEGPCNMP K PGMLDFVNKA KWDW |
| D3Z563 | 53 | LKGTSKESAMKTYVE K VDELKKKYGIGYKKK |
| D3Z563 | 37 | GLLDLKGKAKWDSWN K LKGTSKESAMKTYVE |
| B1AWZ5 | 105 | YDNFAHRTAVRKAL K DKEWQERFLIPNLAF |
| B1AWZ5 | 48 | NGTFYEFRTYFLKPS K TNEFLENFKNSVHLR |
| B1AWZ5 | 57 | YFLKPSKTNEFLEN K NSVHLRTAHSEMIGY |
| B1AWZ5 | 45 | RQSNGT FYEFRTYFL K PSKTNEFLENFKNSV |
| E9PWY6 | 323 | DLLMESNAIIQSMA K TRRFRSKMEAAGFTV |
| E9PWY6 | 42 | ILDSELEGIRGAGTW K SERVITSRQGPSIRV |
| D3Z4M7 | 75 | FVNCKKALET CGGDL K QAEDWLHKQAQKEGW |
| D3Z4M7 | 64 | LMKLRRKTGYSFVN K KALET CGGDLKQAED |
| Q9CZU6 | 193 | ESNFARAYAEGMNR K YWELIYEDCMDLIAK |
| Q9CZU6 | 375 | QREFALKHLPKDPMF K LVAQLYKIVPNILLE |
| Q9CZU6 | 327 | LTQLQKEVGKDVSE K LRDYIWNTLN SGRVV |
| Q9CZU6 | 393 | AQLYKIVPNILLEQ G KAKNPWPNVDAHSGVL |
| Q9CZU6 | 450 | QLIWSRALGFPLERP K SMSTDGLMKFVDSKS |

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| Q9CZU6 | 57 | PKEQARIKTFKQQHG K TVVGQITVDMMYGGM |
| Q99JY0 | 333 | AMLIMSEDRAALAMGY K PKAYLRDFIYVSQDP |
| Q99JY0 | 202 | LNKAKTLGQRLSLLS K FRLNFLSPELPAVAE |
| Q99JY0 | 189 | IRHSRNMRRKMLDLN K AKTLGQRLSLLSKFR |
| Q99KR7 | 189 | KEGMDVVKKIESFGS K SGKTSKKIVITDCGQ |
| Q99KR7 | 166 | SQFFICTIKTDWLDG K HVVFGHVKEGMDVVK |
| P19157 | 128 | ENGKNDYVKALPGHL K PFETLLSQNQGGKAF |
| P19157 | 82 | NAILRHLGRSLGLYG K NQREAAQMDMVNDGV |
| Q9EQI8 | 246 | FFKALLLTGDFVQAG K KSRHVWASKEELGDY |
| Q9EQI8 | 217 | FLGNAPCGHYKFKFP K AIQTESDLGVKVFFF |
| Q91Y97 | 330 | GGKAANKKATQEA F MRAMANCQAAQGGQYVH |
| Q9DBM2 | 274 | GSGQARALQYAFFAE K SANKWSTPSGASWKT |
| Q9DBM2 | 189 | DPVEEAIKFAQTVIG K PIEPRRILNKPVPSL |
| Q9DBM2 | 579 | GRFGQKTGKGWYQYD K PLGRIHKPDPWLSEF |
| Q9DBM2 | 586 | GKGWYQYDKPLGRIH K PDPWLSEFLSQYRET |
| Q9DBM2 | 386 | DLVIEAVFEDMNL K KVFAELSALCKPGAFL |
| Q9DBM2 | 705 | SDYLRRLLVAQGS P PLKEWQSLAGPHSSKLKS |
| Q9DBM2 | 38 | AISPTVITEVRNGLQ K ASLDHTVRAIVICGA |
| Q9DBM2 | 278 | ARALQYAFFAEKSAN K WSTPSGASWKTASAQ |
| Q9DBM2 | 181 | ILDVVVKSDPVEEAI K FAQTVIGKPIEPRRI |
| Q9DBM2 | 572 | ADMLCEAGRFGQKTG K GWYQYDKPLGRIHKP |
| Q9DBM2 | 288 | EKSANKWSTPSGASW K TASAQPVSSVGVGLGL |
| M0QWP3 | 183 | FKLSTLDVTHAPLVD K FWQFGGNNERSQRFIG |
| D3Z6F5 | 255 | PYSGCSMGEYFRDNG K HALIIYDDLKQAVA |
| D3Z6F5 | 117 | DALGNAIDGKGPIGS K TRRRVGLKAPGIIPR |
| D3Z6F5 | 448 | EQVAVIYAGVRGYLD K LEPSKITKFENAFLS |
| D3Z6F5 | 481 | ISQHQSLLGNIIRSDG K ISEQSDAKLKEIVTN |
| D3Z6F5 | 180 | QTGKTSIAIDTIIINQ K RFNDGTDEKKKLYCI |
| B2RQC6 | 1325 | IPEKNILLTIGSYKN K SELLPTVRLLESGLY |
| P52196 | 14 | VMMVHQVLYRALVST K WLAESIRSGRLGPSL |
| P52196 | 224 | VNMPFMDFLTKDGF E KSPEELRAIFQDKKVD |
| P52196 | 154 | HPVTSEPSRPEPAVF K ATLNLSLLKTYEQVL |
| P52196 | 175 | SLLKTYEQVLENLQ S KRFQLVDSRAQGRYLG |
| P52196 | 293 | EWFRRAPPETRV S QGSKGAKGSKGQSVRTE |
| Q9QXX4 | 485 | SALSVVRDLGFFGIY K GAKACFLRDIPFSAI |
| P56382 | 28 | IRFSQICAKAVRDAL K TEFKANAECTSGSSI |
| P56382 | 32 | QICAKAVRDALKTEF K ANAECTSGSSIKIVK |
| P08249 | 185 | TTLDIVRANTFVAEL K GLDPARVNPVIGGH |
| P08249 | 78 | GVAADLSHIETRANV K GYLGPEQLPDCLKGC |
| P08249 | 281 | MNGKEGVVECSFVQ S KETECTYFSTPLLLGK |
| P08249 | 296 | KETECTYFSTPLLLG K KGLEKNLGIGKITPF |
| P08249 | 269 | AGARFVFSLVDMNG K EGVVECSFVQSKETE |
| P08249 | 91 | NVKGYLEGPEQLPDCL K GCDVVVIPAGVPRKP |
| P08249 | 314 | LEKNLGIGKITPFEE K MIAEAIPELKASIKK |

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| P08249 | 335 | IPELKASIKKGEDFV | K | NMKNKVFDEGKKIS |
| P08249 | 215 | HAGKTIIPLISQCTP | K | VDFPQDQLATLTGRI |
| P08249 | 165 | ITAEVFKKHGVNPN | K | IFGVTTLDIVRANTF |
| D3YWM4 | 107 | RAQAVHPGYGFLSEN | K | EFAKRLAAEDVTFIG |
| Q9DB15 | 153 | TEAKPVDKVKLIKEI | K | NYVQGINLVQAKKLV |
| Q99LC5 | 203 | APSSSSVGISEWLDQ | K | LTKSDRPELTGAKVV |
| Q99LC5 | 59 | AGRLGGEVSCLVAGT | K | CDKVVDLCKVAGVA |
| Q99LC5 | 232 | VVVSGBRGLKSGENF | K | LLYDLADQLHAAVGA |
| Q99LC5 | 301 | HLAGMKDSKTIVAIN | K | DPEAPIFQVADYGIV |
| Q99LC5 | 75 | CDKVVDLCKVAGVA | K | VLVAQHDAYKGLLPE |
| Q99LC5 | 85 | VAGVAKVLVAQHDAY | K | GLLPEELTPLILETQ |
| Q99LC5 | 69 | LVAGTKCDKVVDLCK | K | VAGVAKVLVAQHDAY |
| Q61941 | 331 | STALIPGKKAPVLFS | K | EMIESMKEGSSVVDL |
| Q61941 | 1079 | MLLGDAKKTCDALQA | K | VRESYQKQYSEVKA |
| P38647 | 360 | KLTRAQFEGIVTDLI | K | RTIAPCQKAMQDAEV |
| P38647 | 138 | LIGRRYDDPEVQKDT | K | NVPFKIVRASNGDAW |
| P38647 | 300 | HIVKEFKRETGVDLT | K | NMALQRVREAAEKA |
| P38647 | 394 | DIGEVILVGGMTRMP | K | VQQTVDLFGRAPSK |
| P38647 | 206 | ITVPAYFNDSQRQAT | K | DAGQISGLNVLRVIN |
| P38647 | 368 | GIVTDLIKRTIAPCQ | K | AMQDAEVSKSDIGEV |
| P38647 | 135 | TKRLIGRRYDDPEVQ | K | DTKNVPFKIVRASNG |
| P38647 | 288 | LGGEDFDQALLRHIV | K | EFKRETGVDLTKDNM |
| Q9JHI5 | 76 | NLAPKAQEIDQTNDF | K | NLREFWKQLGSLGVL |
| Q9JHI5 | 316 | DHTIPYLHVREAFGQ | K | IGQFQLMQGKMADMY |
| Q9JHI5 | 239 | TAFIVEKGMPGFSTS | K | KLDKLGMRGSNTCEL |
| Q9JHI5 | 260 | GMRGSNTCELVFEDC | K | VPAANVLSQESKGVY |
| Q9JHI5 | 56 | NGLNEEQQLRHTIS | K | FLQENLAPKAQEIDQ |
| Q5FW57 | 270 | DKRGYPVYNHTEQT | K | VIQMSHTLHHVPMP |
| P05202 | 73 | KKMNLGVGAYRDDNG | K | PYVLPVSRKAEAQIA |
| P05202 | 404 | EQVERLTKEFSVYMT | K | DGRISVAGVTSGNVG |
| P05202 | 234 | VDPRPEQWKEIASVV | K | KKNLFAFFDMAYQGF |
| P05202 | 338 | GARIAATILTSPDLR | K | QWLQEVKGMADRIIS |
| P05202 | 90 | YVLPSVRKAEAQIAA | K | NLDKEYLPIGGLAEF |
| P05202 | 396 | FCFTGLKPEQVERLT | K | EFSVYMTKDGRISVA |
| P05202 | 363 | ADRIISMRTQLVSNL | K | KEGSSHNWQHITDQI |
| P05202 | 185 | RDAGMQLQGYRYDP | K | TCGFDFSGALEDISK |
| Q8VCW8 | 531 | GGENIYPAELEDFFL | K | HPQVQEAQVVGKDE |
| Q8VCW8 | 179 | EYVLRKVGCKGIVFP | K | QFKTQQYYDILKQVC |
| Q8VCW8 | 478 | IRGYCVMQGYWGEPP | K | TFETVGQDKWYRTGD |
| Q8VCW8 | 182 | LRKVGCKGIVFPKQF | K | TQQYYDILKQVCPPEL |
| Q8VCW8 | 599 | RYIVFVEGYPLTISG | K | IQFKLREQMEQHLK |
| Q8VCW8 | 340 | HGATLLLSSPSFNGK | K | ALEAISREKGTLLYG |
| D3Z0E6 | 189 | IEGKASAYVFASPGC | K | KWDTCAPVILHAVG |
| Q8CHT0 | 129 | EWDLKPMADRAQVFL | K | AADMLSGPRRAEVLA |

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| Q8CHT0 | 461 | EIFGPVLTVYVYPDD KY RETLQLVDSTTSYG |
| Q8CHT0 | 551 | YILRWTSPQVIKETH K PLGDWRYSYMQMYSY |
| Q8CHT0 | 113 | KALLNRAIDAALAAR KE WDLKPMADRAQVFL |
| Q8CHT0 | 357 | YGGQKCSACSRLYVP K SLWPQIKGRLL EEHS |
| Q8CHT0 | 346 | VVSGTLRSAFEYGGQ K CSACSRLYVPKSLWP |
| H3BL62 | 140 | QEAASSFGDDRLLIE K FIDNPRHIEIQVLGD |
| E9PWN2 | 479 | PCDWRTKTPVLIRAS K QWFVNITDIKAAAKE |
| E9PWN2 | 74 | RYRDTVLLPQTSFPM K LLGRQQSDMELEIQQ |
| E9PWN2 | 667 | MVHGFTLGEKGEKMS K SLGNVINPDTIISGG |
| E9PWN2 | 194 | EIREKARSFAQAAIE K QKSAFVRWGVMDAWN |
| E9PWN2 | 56 | VVRSVAGADSPQSSS K GGRYRDTVLLPQTSF |
| E9PWN2 | 241 | VFYQMYEKGLVYRSY K PVYWSPSSRTALAEA |
| E9PWN2 | 500 | ITDIKAAAKESLKT V K FIPGAALNSMTDMLD |
| P42125 | 275 | DIQNFTSFISKDSIQ K SLHMYLEKCLKQKKGK |
| P42125 | 270 | KQREADIQNFTSFIS K DSIQKSLHMYLEKCLK |
| P42125 | 71 | SLSLECLTEFTISLE K LENDKSIRGVILTSE |
| P42125 | 283 | ISKDSIQKSLHMYLE K LKQKKGKKQKLKELY |
| P42125 | 222 | VGVVDEVVPEDQVHS K ARSVMTKWLAIPDHS |
| P42125 | 158 | LLALCCDYRVMADNP K YTIGL NESLLGIVAP |
| A2AQY8 | 363 | RFCFVKDKATLQAMD K RLC SWKGEPQAQPEG |
| Q3TCD4 | 273 | QLGQSPEACSSYT F K MMGSAKAAEMLLFGK |
| B1AR13 | 65 | VVAQKTPIRLELVAG K TYRWCVCGRSKNQPF |
| B1AR13 | 96 | CDGSHFFQRTGLSPL K FKAQETRTVALCTCK |
| Q9CQ62 | 106 | RNIDVLKATAEEISS K TGNKVHAIRCDVRDP |
| Q9CQ62 | 49 | QSKDAPQSKFFQPV L K PMLPPDAFQGKVAFI |
| Q9CQ62 | 97 | LGAQCVIASRNIDVL K ATAEEISSKTGNKVH |
| Q9CQ62 | 73 | QGKVAFITGGGTGL G K AMTTFLSTLGAQCVI |
| Q99LB2 | 93 | QGEGLSVTGIVCHV G K AEDREKLITTALKRH |
| Q99LB2 | 235 | FSSVLWEEKAREDFI K EAMQIRRLGKPEDCA |
| Q99LB2 | 228 | PGLIKTRFSSVLWEE K AREDFIKEAMQIRRL |
| Q99LB2 | 106 | VGKAEDREKLITTAL K RHQGIDILVSNAAVN |
| Q8K411 | 942 | SIETLQSFGKAVDWA K SGKFTQQDIDEAKLS |
| Q8K411 | 770 | MTDIKPILRKLPRIK K YLLNCDNMRCSVNAT |
| Q8K411 | 848 | SGSQIVRKLVTDP T K PCQMKTHFVLPFPVN |
| Q8K411 | 1026 | GKSTHGLAILGPENS K IAKDPSWIIKIIWSP |
| Q9WTP7 | 189 | KAYEAQTEPVLQYY Q K KGVLETFSGTETNKI |
| Q9WTP7 | 34 | GKGTVSSRITKH F K HLSSGDLLRQNMLQG |
| Q9WTP7 | 29 | GAPGSGKGTVSSRIT K H F ELKHLSSGDLLRQ |
| Q9WTP7 | 57 | LRQNMLQGTEIGVLA K TFIDQGKLIPDDVMT |
| Q9WTP7 | 64 | GTEIGVLAKTFIDQ G K LIPDDVMTRLALHEL |
| Q91ZA3 | 509 | DISTKFLSDVYPDGF K GHTLTLSERNQLLAI |
| Q91ZA3 | 492 | NIPLREVIINTRF V K GDISTKFLSDVYPDG |
| Q91ZA3 | 381 | VQEMILVAKGYPLRH K QEDIPISGWAVECRV |
| Q8QZS1 | 300 | QDGSPFAIEQMKVIN K MSPTSLKITLRQLME |

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| O35459 | 111 | SKDSDCRAVVVSGAG | K | MFTSGIDLMDMASEL |
| A2AH52 | 174 | NQQRLENEYKRLMSLG | K | AYGIESHVLSPAETK |
| A2AH52 | 38 | LGLQPLATEARPTTE | K | SVPYQRTLKEEAQGA |
| E9Q1J7 | 101 | MFVEHRCADFGMAAD | K | KNKFPGDSVVTGRGRI |
| E9Q1J7 | 454 | KGHQDVEAAQAEYVE | K | FANPFPAAVRGFVDD |
| E9Q1J7 | 103 | VEHRCADFGMAADKN | K | FPGDSVVTGRGRING |
| O09174 | 269 | LPSQMSSADWPPEMKK | K | FADVFAKKTAEWCQ |
| O09174 | 100 | EKLQLGPETLLQDNPN | K | LIYARLSGFGQSGIF |
| O09174 | 117 | IYARLSGFGQSGIFS | K | VAGHDINYLAISGVL |
| O09174 | 57 | ENFLARGKRSALDL | K | RSQGVTVLRRMCARA |
| O09174 | 204 | YLSSFLWKTQPMGLW | K | QPRGQNILDGGAPFY |
| P62075 | 53 | LLQRMTDKCFRKCIG | K | PGGSLDNSEQKCIAM |
| P63038 | 462 | CIPALDSLKPANEDQ | K | IGIEIIKRALKIPAM |
| P63038 | 455 | GGCALLRCIPALDSL | K | PANEDQKIGIEIIKR |
| P63038 | 236 | RGYISPYFINTSKGQ | K | CEFQDAYVLLSEKKI |
| P63038 | 250 | QKCEFQDAYVLLSEK | K | ISSVQSIVPALEIAN |
| P63038 | 202 | SDAMKKVGRKGVITV | K | DGKTLNDELEIIIEGM |
| P63038 | 292 | DVDGEALSTLVLNRL | K | VGLQVVAVKAPGFGD |
| P63038 | 218 | DGKTLNDELEIIIEGM | K | FDRGYISPYFINTSK |
| P63038 | 352 | VQAHDLGKVGEVIVT | K | DDAMLLKGKGDKAHI |
| P63038 | 233 | KFDRGYISPYFINTS | K | GQKCEFQDAYVLLSE |
| B1AR28 | 174 | AHQSIGFKGILLYGT | K | AQREKYLPRVASGQA |
| B1AR28 | 106 | FFEEVNDPAKNDALE | K | VEDDTLQGLKELGAF |
| B1AR28 | 618 | SPQHQELFRNFRSIS | K | AMVENGGGLVTGNPLG |
| G3UYY1 | 14 | AXXADRDATLWASHE | K | MLSQPLKDSDAEVYS |
| P29758 | 392 | LNAIVIRETKDCDAW | K | VCLRLRDNGLLAKPT |
| P29758 | 386 | VRGKGLLNAIVIRET | K | DCDAWKVCLRLRDNG |
| P29758 | 107 | HCHPKIIDAMKSQVD | K | LTLTSRAFYNVNLGE |
| Q8R164 | 184 | TEEDSRIYQGIRDVS | K | WSEKARKPLEALYGY |
| Q8R164 | 260 | PLVPRFHADFLQHV | K | GSRLHLMPEGKHNLH |
| Q8R164 | 191 | YQGIRDVSKWSEKAR | K | PLEALYGYDYLAKTC |
| Q8R164 | 271 | LQHVKGSRHLHLMPEG | K | HNLHLRFADFNRLV |
| Q8R164 | 74 | GEHAIIILLPGMLGSG | K | TDFAPQLQSLNKKRF |
| P51881 | 155 | RLAADVGKAGAEREF | K | GLGDCLVKIYKSDGI |
| P51881 | 105 | AFKDKYKQIFLGGVD | K | RTQFWRYFAGNLASG |
| A2A8E8 | 193 | TRIPKPSRDELFTDT | K | ARHLLVLRKGFYVF |
| O55137 | 42 | APEQPVTLSVLRDE | K | GALFRAHARYRADSH |
| Q91X34 | 350 | VHANQAIAQLMKNGK | K | NWTLLSYPGAGHLIE |
| Q91X34 | 346 | LNSKVHANQAIAQLM | K | NGKKNWTLLSYPGAG |
| Q07417 | 51 | ETHQMLRQTCRDFAE | K | ELVPIAAQLDREHLF |
| Q07417 | 306 | VKYAENRNAFGAPLT | K | LQNIQFKLADMALAL |
| P09671 | 114 | TIFWTNLSPKGGGEP | K | GELLEAIKRDFGSFE |
| Q99P30 | 178 | ITQSGRDFIMHCFEY | K | DPETGVNYLIQGMTS |
| Q99P30 | 77 | DKLKREPGEVCFPGG | K | RDPVDTDDTATALRE |

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| Q99P30 | 20 | CGLPEPVRRNNLIDDA K ARLRKSDVGTRYSHL |
| Q99KR3 | 273 | EHNLLLHLRKLEKDG K IFYTTTPVKKWKAVL |
| Q99KR3 | 282 | KLEKDGKIFYTTTPV K KWKAVLVAKWKKVPT |
| Q9WVL0 | 177 | ADVCLVPQVANAERF K VDLSPYPTISHINKE |
| P38060 | 48 | VKIVEVGPRDGLQNE K SIVPTPVKIRLIDML |
| P38060 | 179 | VRGYVSCALGCPYEG K VSPAKVAEVAKKLYS |
| P38060 | 137 | KEVSVFGAVSELFTR K NANCSIEESFQRFAG |
| Q9DBT9 | 40 | GLREGQESPASPEW K DRAETVIGGGCVGV |
| Q9DBT9 | 250 | NRIVNAAGFWAREVG K MIGLDHPLIPVQHQY |
| Q9DBT9 | 788 | DDVDPEGNESIWKY K VVGNTTSGSYSYSIQ |
| Q9DBT9 | 312 | RDGLLFGPYESQEK M LQASWVTHGVPPGFG |
| Q9DBT9 | 516 | SFRRTNWFEPVGSEY K QVMQRVGVIDLSPFG |
| Q9DBT9 | 141 | GSIRLATTPVRVDEF K YQMTRTNWHATEQYI |
| Q9DBT9 | 427 | EPPFDLIELDPNRYG K WTTTQYTEAKARESY |
| Q9DBT9 | 216 | KYGALLKYPAPVTS L KPRPDGTWDVETPQGS |
| Q8QZT1 | 227 | ALSSYTRSKEAWDAG K FASEITPITISVKGK |
| Q8QZT1 | 171 | VPYVMSRGATPYGGV K LEDLIVKDGLTDVYN |
| Q8QZT1 | 199 | VYNKIHMGNAENTA K KMNISRQEQDTYALS |
| Q8QZT1 | 178 | GATPYGGVKLEDLIV K DGLTDVYNKIHMGNC |
| Q8QZT1 | 260 | VVVKEDDEEYKRVDFS K VPKLKTVPQKENGTI |
| Q8QZT1 | 263 | KEDEEYKRVDFS K VPLKKTVPQKENGITIAA |
| Q8QZT1 | 335 | IDFPLAPAYAVPKVL K YAGLKKEDIAMWEVN |
| D3Z2F2 | 191 | ANGDKDIGNIISDAM K KVGRKGVITVKVTIV |
| D3Z2F2 | 125 | GDGTTTATVLARSIA K EGFEKISKGANPVEI |
| D3Z2F2 | 72 | PKGRTVIEEQSWGSP K VTKDGVTVAKSIDLK |
| E9QPD7 | 1097 | NGQLRSILVKDTQAM K EMHFHPKALKDVKGQ |
| A2CEK3 | 437 | TRKQSVEDILKDHQ K FGRNFFTRYDYEEVE |
| Q9QXF8 | 238 | VQVPGTGRDGSPGFS K FRLSYYPHCLASFTE |
| Q9QXF8 | 191 | RNYDYILSTGCAPPG K NIYYKSDLTKDITTS |
| Q9QXF8 | 201 | CAPPGKNIYYKSDLT K DITTSVLTVNNAHAM |
| Q99MR8 | 577 | VTYNRDGSYDMQIDN K SFRVLGDLSSSEDGCT |
| P54071 | 272 | AYDGRFKDIFQEIFD K HYKTDKDNKIWEH |
| P54071 | 384 | IASIFAWTRGLEHRG K LDGNQDLIRFAQTLE |
| P54071 | 256 | QKKWPLYLSTKNTIL K AYDGRFKDIFQEIFD |
| P54071 | 413 | LEKVCVQTVESGAMT K DLAGCIHGLSNVKLN |
| B1AXW4 | 7 | GIKANGSSMMSSGNA K IGYPAPNFKATAVMP |
| B1AXW4 | 93 | VDSHFCHLAWINTPK K QGGGLGPMNIPLISDP |
| P10518 | 252 | AVARDIQEGADMLMV K PGLPYLDMVREVKDK |
| P36552 | 371 | PIVKKHCDDSYTPRD K LWQQLRRGRYVEFNL |
| Q9CPY7 | 79 | SGKLREMLNISGPPL K AGKTRTFYGLHQDFP |
| Q9CPY7 | 489 | HTKWAHLDIAGVMTN K DEIPYLRKGMSGRPT |
| Q9D6R2 | 58 | GPEISASVMKIFDAA K APIQWEERNVTAIQG |
| Q9D6R2 | 343 | EAACFATIKDGKSLT K DLGGNAKCSDFTEEI |
| Q9D6R2 | 200 | EYARNNHRSNVTAVH K ANIMRMSDGLFLQKC |

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| Q99L13 | 296 | MAKDLGLAQDSATST K TPILLGSLAHQIYRM |
| Q99L13 | 78 | PLILYDVFPDVCKEF K EAGEQVASSPAEVAE |
| Q99L13 | 140 | GSLIDSSTIDPSVS K ELAKEVEKMGAVFMD |
| Q99L13 | 320 | AHQIYRMMCSKGYSK K DFS SVFQYLREEEPF |
| Q99L13 | 241 | MNLGIRSGLDPKLLA K ILNMSSGRCWSSDTY |
| Q99L13 | 59 | IGLGNMGNPMAKNLM K HGYPLILYDVFPDVC |
| D3YVN7 | 234 | SALCALEQRDPELGV K SVQKLLDAVDTYIPV |
| D3YVN7 | 88 | LTAAITKILAEGGGA K FKKYEEIDNAPEERA |
| Q99LP6 | 94 | KRALADTENLRQRSQ K LVEEAKLYGIQGFCK |
| E9Q5T5 | 66 | RRVESLIQRDPVFNL K HLYFMTRDELYEDAV |
| D3Z3B0 | 129 | TYIRDQGLYINDGSW K GKGKTGTGKGKWSG |
| Q99LB7 | 803 | DDSPLEAGLAFTCKL K TSVPFLGREALEKQR |
| Q99LB7 | 392 | IKSTVCGPESFTP DH K PLMGEAPELRGFFLG |
| Q99LB7 | 278 | IQTPCVVNCAGVWAS K VGRMAGVKVPLVAMH |
| O35386 | 108 | VKPPGIVIMRDVALA K QDYMPSDRMVSKIQD |
| O35386 | 59 | FQYTLDNNVLTLEQR K FYEENGFLVIKNLVS |
| O35386 | 231 | TLKPHDYPKWEGGVN K MYHGIQDYDPNSPRV |
| P54869 | 473 | EEFTEIMNQREQFYH K VNFSPPGDTSNLFPG |
| P54869 | 83 | VDQTDLEKFNNVEAG K YTVGLGQTRMGFCSV |
| P54869 | 342 | KQNNLYKGLEAFRGL K LEETYTNKDVDKALL |
| P54869 | 243 | QGLRGTHMENAYDFY K PNLASEYPLVDGKLS |
| P54869 | 350 | LEAFRGLKLEETYTN K DVDKALLKASLDMFN |
| P54869 | 327 | LARLMFNDFLSSSSD K QNNLYKGLEAFRGLK |
| P54869 | 447 | GSPLEKLVSSVSDL P K RLD SRRRMSPEEFTE |
| P54869 | 256 | FYKPNLASEYPLVDG K LSIQCYLRALDRCYA |
| P54869 | 221 | RPTGGAGAVAMLIG P K APLVLEQGLRGTHME |
| P54869 | 118 | NSLCLTVVQRLMERT K LPWDAVGRLEVGTET |
| Q3UNX5 | 67 | FNFAKDVLDQWTNME K AGKRLSNPAFWWIDG |
| Q9CZL5 | 120 | KVQITLTSHDCGGLT K RDVKLAQFIEKAAAS |
| A2APS4 | 129 | ITPQMFGYAGKEHME K YGTKVEHFAKIGWKN |
| A2APS4 | 88 | LALGFEEKMERGSIGT K FSDRTTPTDKHIEVL |
| A2APS4 | 167 | TYSQFQDEYSLEEVM K SKPVFDFTILQCCP |
| A2APS4 | 124 | LSAHPITPQMFGYAG K EHMEKYGTKVEHFAK |
| A2APS4 | 133 | MFGYAGKEHMEKYGT K VEHFAKIGWKNHKHS |
| E9Q1G1 | 70 | EASLKDYEETIGKAK K AWNIWADIPAPKRGE |
| P11352 | 86 | VLGFPCNQFGHQENG K NEEILNSLKYVRPGG |
| P11352 | 146 | LPTPSDDPTALMTDP K YIIWSPVCRNDIAWN |
| P11352 | 95 | GHQENGKNEEILNSL K YVRPGGGFEPNFTLF |
| P11352 | 112 | VRPGGGFEPNFTLF E K CEVNGEKAHPLFTFL |
| P09103 | 224 | KKFDEGRNNFEGET K EKLLDFIKHNQLPLV |
| P09103 | 202 | GITSNSGVFSKYQLD K DGVVLFKKFDEGRNN |
| P47199 | 298 | QFAGLLQAGIEKGWV K PVIGSEYPLEKAAQA |
| Q9QXD1 | 453 | GENTVLYLQVARFLM K SYLQAQVSPGSIPQK |
| Q9CZS1 | 401 | LLCGGERLGERGFFI K PTVFGDVQDGMRIAK |

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| Q9CZS1 | 416 | KPTVFGDVQDGMRIA | K | EEIFGPVQPLFKFKK |
| Q9CZS1 | 366 | GNPFELDTQQGPQVD | K | EQFERILGYIRLGQK |
| H7BWY3 | 447 | RNSQEVGTYMLLKFA | K | LRDEFDIVGDVRGKG |
| Q9R0H0 | 89 | MREFGIADPEEIMWF | K | KLHVMNFVEPVGLNY |
| Q9R0H0 | 90 | REFGIADPEEIMWF | K | KLHVMNFVEPVGLNYS |
| Q3U367 | 270 | TGSVPTGVKIMEMSA | K | GVKPITLELGGKSPL |
| P40936 | 211 | TLVTLRFQHYMVGPK | K | FSGVYLEKEVVEKAI |
| P40936 | 14 | EMMEGKVYIGGEDYE | K | EFTPKDYLTTYYSFH |
| F7D3P8 | 34 | RTVKVKSLNDITKRE | K | FSPLTANLMNLLAEN |
| F7D3P8 | 31 | YIKRTVKVKSLNDIT | K | REKFSPLTANLMNLL |
| D3Z2Y8 | 139 | MKDKGDAGVKELDSL | K | SDRLRTIQLNVCNSE |
| Q8BGA8 | 551 | QEHVKTVTAPYKYPR | K | VAFISELPKTVSGKI |
| Q8BGA8 | 302 | NGACIFVHELPRVDA | K | TILNTLCRFPITTLC |
| D3Z1U3 | 127 | NYTGRFLPGFEPTY | K | DTLLPKLPRCNLEII |
| D3Z1U3 | 93 | IVREPWVEQDKFGKV | K | FAVLQTYGDTTHTLV |
| Q9EQ20 | 52 | VPTVKLFIDGKFVES | K | SDKWIDIHNPATNEV |
| Q9EQ20 | 55 | VKLFIDGKFVESKSD | K | WIDIHNPATNEVVGR |
| Q9EQ20 | 517 | GIQFYTQLKTITSQW | K | EEDATLSSPAVVMPT |
| Q9EQ20 | 391 | KEGASILLDGRRIKV | K | GYENGNFVGPTIISN |
| F6RPJ9 | 160 | SCKDREVNAVDSEHE | K | NVMNDAWRLFQLEKA |
| F6RPJ9 | 665 | AMYYLRLLMTEVAWT | K | DELKEALDDVTLPRL |
| F6RPJ9 | 456 | PENVRVAIVSKSFEG | K | TDRTEQWYGTQYKQE |
| P62900 | 75 | PDVRIDTRLNKAVWA | K | GIRNVPYRIRVRLSR |
| Q9DCN1 | 10 | RKVSSMMSSVKRNP | K | KEMISELHSSAAEGNV |
| P52825 | 510 | KHGRTETIRPASIFT | K | RCEAFVREPSKHSV |
| P52825 | 544 | QHMAECSKYHGQLT | K | EAMGQGFDRLHFAL |
| P97450 | 99 | KGEMDTFPTFKFDDP | K | FEVIDKPPQSQPKDIV |
| P97450 | 84 | QDLRELYKLGQMYG | K | GEMDTFPTFKFDDPK |
| P53395 | 410 | TFTLSNIGSIGGTYA | K | PVILPPEVAIGALGA |
| P53395 | 133 | IKRLYYNLDDIAYVG | K | PLIDIETEALKDSEE |
| P53395 | 265 | KDRTEPVTGFQKAMV | K | TMSAALKIPHFGYCD |
| P27773 | 218 | ITIFRPLHLANKFED | K | TVAYTEKKMTSGKIK |
| P27773 | 494 | YLQREATNPPIIQEE | K | PKKKKKKAQEDLDEQA |
| A2AIW9 | 298 | VDVDRSVAQYTGII | K | VERDMSNVSLGPTPI |
| Q9CPU0 | 88 | LAYEDKNDIPKDKSE | K | TAWTFSRKATLELTH |
| O35423 | 334 | HLHKHLQEMGLKFFV | K | DPEIRLPTITTTVTP |
| Q9Z2I8 | 94 | KEIVLKAQILAGGRG | K | GVFNGLKGGVHLTK |
| Q8JZN5 | 525 | HYFGRTVETLLLRF | K | NIVEEQVLVKRVANI |
| A2A848 | 205 | IGPKFGYEEMDNGYL | K | MKNYRIPRENMLMKY |
| A2A848 | 619 | PLNKTEVHESYYKHL | K | PLQSKLKSQLPKLHK |
| A2A848 | 410 | TARFLMKIYDQVQSG | K | LVGGMVSYLNDLPSQ |
| A2A848 | 607 | VYENLFEWAKKSPLN | K | TEVHESYYKHLKPLQ |
| A2A848 | 506 | SEAHCHYVTVKVFAD | K | LPKIQDRAVQAVLRN |
| A2A848 | 224 | YRIPRENMLMKYAQV | K | PDGTIVKPLSNKLT |

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| A2A848 | 601 | GRYDGNVYENLFEWA | KKSPLNKTEVHESYYK |
| A2A848 | 313 | LLATAYAFHFLGRYI | KETYMRINESIGQGDL |
| P11725 | 221 | MSAAKFGMHLQAATP | KGYEPDPNIVKLAEQY |
| P11725 | 231 | QAATPKGYEPDPNIV | KLAEQYAKENGTKLSM |
| P11725 | 289 | KKKRLQAFQGYQVTM | KTAKVAASDWTFLHCL |
| P11725 | 70 | YMLWLSADLKFRIKQ | KGEYLPLLQGKSLGMI |
| D3Z096 | 102 | VNDPEAEKFHDIDDV | KKFKPGYLEATLNWFR |
| D3Z096 | 94 | DWKIIAINVNDPEAE | KFHDIDDVKKFKPGYL |
| D3Z096 | 105 | PEAEKFHDIDDVKKF | KPGYLEATLNWFRLYK |
| D3Z096 | 125 | EATLNWFRLYKVPDG | KPENKFAFAFKNEPKG |
| Q9DC69 | 175 | GVERFIHVSHLNASM | KSSSSKSLRSKAVGEKE |
| P24549 | 412 | AKEEIFGPVQQIMKF | KSVDDVIKRANNTTYG |
| E9Q296 | 548 | EAYPGILGQKFLGSS | KADWMDSAAPLAAYRW |
| D3YYI5 | 61 | MFQYDSTHGKFNGTV | KAENGKLVINGKPI TV |
| F6YFQ5 | 48 | EPLLSRFTEEEEQQM | KRMLQRMVDVLAKPSAA |
| G3UZY2 | 116 | LAIKNGDVVDKFVGI | KDEDQLEAFLKKLIGI |
| Q8CG76 | 244 | RFYAYNPLAGGLLTG | KYKYEDKDQKQPVGRF |
| O35490 | 386 | DAWGVTKGAAELMQQ | KEATTEQQRLRELFKQ |
| O35490 | 40 | GDGGFVFALEKRGYV | KAGPWTPEAAVEHPEA |
| O35490 | 349 | GLDMHTKPWIRARAR | KEYWQNLRIASGRPYN |
| Q99LC3 | 285 | VEDIEYLKYNKGPWL | KQDDWTFHYLRMLVQD |
| Q99LC3 | 350 | PGRKYAPGYNAEVGD | KWIWLKLWIWKDGVEA |
| E9QN44 | 137 | QTCNVDWLKTVRGCS | KVLLRPQTSEEVSQIL |
| P24369 | 116 | MIQGGDFTRGDGTGG | KSIYGERFPDENFKLK |
| Q9DBK0 | 229 | ATISASRLCHGHPFL | KSVDMFKFRGPSTVGD |
| Q9DBK0 | 160 | RKVRLQHENTFNNIM | KESSRFSDSICNEEEG |
| Q9DB20 | 192 | TDPSIMGGMIVRIGE | KYVDMSAKSKIQKLSK |
| Q9DB20 | 176 | LKSFLSPNQILKLEI | KTDPSIMGGMIVRIGE |
| Q9DB20 | 162 | SPLDDAVLSELKTVL | KSFLSPNQILKLEIKT |
| Q9DB20 | 199 | GMIVRIGEEKYVDMSA | KSKIQKLSKAMREMLM |
| G3X8P6 | 351 | VRSVLLRGFDQEMAE | KVGSYLEQQGVKFQRK |
| Q60759 | 240 | WARCEDNCIRGFILE | KGMRGLSAPRIEGKFS |
| D3YTT4 | 48 | IDPSLGLNEEQKGFQ | KVAFDFAAREMAPNMA |
| D3YTT4 | 301 | AHASVILTQEHLKVR | KQFGAPLARSQYLQFQ |
| Q9DCS3 | 316 | IFKDLKLRGFWLSQW | KKNHSPDEFKELILTL |
| Q9DCS3 | 267 | KDLPLPRLALNCVGG | KSSTELLRHLAPGGTM |
| Q9Z2Z6 | 170 | CAKKLYQEFGIRGFY | KGTVLTLMRDVPASGM |
| Q9DB77 | 199 | NALANPLYCPDYRMG | KITSEELHYFVQNHFT |
| Q9DB77 | 92 | LGTSHLLRLASSLTT | KGASSFKITRGIEAVG |
| Q9WUM5 | 94 | GTKLVGGTTPGKGGQ | KHLGLPVFNTVKEAKE |
| Q9WUM5 | 66 | YIDKNTKIIICQGFTG | KQGT FHSQQALEYGTK |
| Q9WUM5 | 57 | SYTASRKHIYIDKNT | KIICQGFTGKQGT FHS |
| O88986 | 380 | KKGIFVIGFSYPVVP | KGKARIRVQISAVHSE |
| G3UWG1 | 73 | ITWGEDTLMEYLENP | KKYIPGTKMIFAGIKK |

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| G3UWG1 | 56 | TGQAAGFSYTDANKN K GITWGEDTLMEYLEN |
| Q8BMF4 | 468 | LLVRKELNKMLEGKG K ISVNDFFIKASALAC |
| Q8BMF4 | 371 | AKKLAAEKGIDLTQV K GTGPEGRIIKKDIDS |
| Q9Z2I9 | 93 | KSSDEAYAIAKKLGS K DVVIKAQVLAGGRGK |
| P16332 | 341 | LWAHLIEKMFQPKNS K SLLLRAHCQTSGWSL |
| P16332 | 593 | DRMVSGAYRQEFGES K EITSAIKRVNKFMER |
| P16332 | 604 | FGESKEITSAIKRVN K FMEREGRRPRLLVAK |
| Q8C5H8 | 312 | LASYYEISVDDGPWE K QKSSGLNLCTGTGSK |
| Q8C5H8 | 314 | SYYEISVDDGPWE K QKSSGLNLCTGTGSKAW |
| A2AFQ2 | 107 | AGIAVAIKTYHQKKN K IHTLEDFQRVINILH |
| A2AFQ2 | 222 | APGLFATPLLTTLPE K VNRFLASQVPFPSRL |
| P62702 | 233 | FATRLSNIFVIGKGN K PWISLPRGKGIRLTI |
| P62702 | 134 | AKYKLCKVRKIFVGT K GIPHLVTHDARTIRY |
| D3Z6F9 | 113 | EGQFNEENFVSKSDA K SMSSSTIMAVGAAEL |
| D3YV36 | 81 | PSPAFWWVNGQGDEI K WSFRKLRDLTCRTAN |
| O88696 | 196 | RGQATDIAIQAEI M KLKKQLYNIYAKHTKQ |
| G3UX44 | 178 | IGKVGNIQTNYASS K AGVIGLTQTAARELG |
| Q9CXJ1 | 256 | ISHVLRGSEWLVS T SKHLLLYQALGWQPPRF |
| E9PVP0 | 270 | VITYLAQVDPKGS L PKWVVKSSQFLAPKAM |
| E9PVP0 | 275 | AQVDPKGS L PKWVVKSSQFLAPKAMKKMYK |
| D3Z0Y2 | 185 | SEEEAKQCFPKG V FT K ELPSGKKYLRYPQP |
| Q9D172 | 221 | GTAEAIKALGAKHCV K GVTEAHVDQKNKVVT |
| Q6P8M1 | 46 | DLQDVIERAIQIGV K KFMITGGSLQDSKDAL |
| H7BXC3 | 74 | EKVVF E QTKVIADNV K DWSKVVLAYEPVWAI |
| H7BXC3 | 93 | KVVLAYEPVWAIGT G KTATPQQAQEVHEKLR |
| H7BXC3 | 60 | CIGEKLDEREAGITE K VVF E QTKVIADNVKD |
| A2ATU0 | 189 | SQEFDHFLATKFATV K RYGGEGAESMMGFFH |
| A2ATU0 | 804 | FKPVIGDSSVDPKN V KT L IFCSGKHFYALLK |
| G5E823 | 362 | IAELWDAGIKAEM L Y K NNPKLLTQLHYCEKA |
| Q2TPA8 | 49 | GANIVIAAKTTQKH P KLLGTIYTAAEEIEAA |
| Q64374 | 144 | RHQGSLSLFPDHSV K KYFDQVDISNGLDWS |
| Q64374 | 244 | PETGKRLQTVKLPVD K TTSCCFGGKDYSEMY |
| Q64374 | 253 | VKLPVDKTTSCCFGG K DYSEMYVTCARDGLN |
| O88737 | 890 | DTAVSGRGLAKHSAQ K ASARPRPES S QEPKR |
| Q9CQB4 | 78 | IKRALDLTMRHQIL P KDQWTKYEEDKFYLEP |
| Q9CQB4 | 19 | RSAVSASSKWLDGFR K WYYNAAGFNKLGLMR |
| Q3UW66 | 146 | GFRHWNQNLPISSG K SHSEPAEFSAQLDPS |
| Q3UW66 | 40 | SSQPLKLLDASWY L P K LGRDARREFEERHIP |
| Q3UW66 | 164 | SEPAEFSAQLDPS F I K THEDILENLDARRFQ |
| O70250 | 241 | PTKPMRFLGDEETVR K AMEAVAAQGKAKAKG |
| Q8K1R3 | 583 | IKIIMEAIQQASVAK K EILQIMNKTISKPR |
| E9Q5A0 | 411 | RLRKQAEKNVEKKIC K FTEVLKTNGLLVLLG |
| Q9CQZ6 | 40 | YRQWKIEGTPLETV Q KKLAARGLRDPWARNE |
| B1ATQ3 | 118 | KANVKIFKSQGTAL E KYAKKSVKVIVVGNPA |

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| H3BKG7 | 124 | SLMLVTALNPHIGYD K AAKIAKTAHKNGSTL |
| E9Q5L3 | 284 | KVPETNILGKIGHGY K YAIGSLNEGRIGIAA |
| E9Q5L3 | 278 | LTFFENVKVPETNILG K IGHGYKYAIGSLNEG |
| Q9JHW2 | 123 | VKHRKIHLFDIDVPG K ITFQESKTLSPGDSF |
| E9Q1I5 | 504 | KTYQVAHMKSKDNRI K LMNEILNGIKVLKLY |
| E9QN99 | 173 | YGDQDPMGSSSFQHL K QLPNHRVLVMEGAGH |
| F6TEU8 | 97 | PEAVAARLRRYKDAA K PVIELYKSRGVLHQF |
| F8WJI3 | 36 | VHELNTTVPTASFAG K IDASQTCKQLYESLM |
| E9Q197 | 170 | WSNLLGMKIYEQDEE K QRALLGYADNQCKLE |
| E9Q197 | 109 | SQAVSNARKLEWPLS K VAEGIFETEAPGGYK |
| Q3UXD9 | 83 | PSSSAEVSIAIQCNIR K EEEVSNLVKSTLAKY |
| P17751 | 56 | TDLQRLEPGTMAPTR K FFVGGNWKMNGRKKC |
| P31230 | 267 | DAFPGEPPDKELNPK K IWEQIQPDLHTNAEC |
| Q9EP89 | 288 | QDSEARCRSAKPGKK K NDFEQGELYLKEKFE |
| H7BX88 | 294 | YRNHVAGQMLHGGGS K FNSGNRWFDKTLQFI |
| Q8R3F5 | 312 | SNVSGQKYTHPQHIR K LLGQQVVSPVKWEQT |
| Q80XN0 | 259 | ATSLYSPERIQAI K MMWDDLPEVVRKDYGR |
| P52760 | 7 | IVKRIISSMMSSIIR K VISTTKAPAAIGPYS |
| P52760 | 97 | LLADMNDFGTVNEIY K TYFQGSLPARAAYQV |
| P52760 | 13 | SSMMSSIIRKVISTT K APAAIGPYSQAVQVD |
| P50136 | 377 | RQYLLNQGWDEEQE K AWRKQSRKKVMEAFE |
| P50136 | 353 | DSSAYRSVDEVNYWD K QDHPI SRLRQYLLNQ |
| F6VMP2 | 113 | TLGSDMTNQMQQLSK K YNINPVSLTVGKQEA |
| F6VMP2 | 125 | LSKKYNINPVSLTVG K QEAKLQSLVESQDLV |
| G3X9L6 | 148 | IDDLNEIFPETKLDK K YPYWPHQPIENLNEI |
| G3X9L6 | 144 | DQMTIDDLNEIFPET K LDKKYPYWPHQPIEN |
| Q8JZQ2 | 600 | EHADPLLKVSII PRG K GLGYAQYLPKEQYLY |
| Q8JZQ2 | 330 | AKLEIMEFVNFLKNP K QYQDLGAKIPKGAIL |
| D3YYK0 | 116 | IPEKVPHSQARKLAD K QLSSVVKEAGIRQFL |
| Q9WU19 | 357 | LAMALSGCQNVKVID K TLVRKNPLAVSKIKS |
| D3Z2B3 | 334 | SGILHPHCKLCVFMG K TDPQAPRHQQQSMML |
| Q99N87 | 414 | PEPEVPDTKLDWQDV K AMQGLKRSVWFNLKR |
| Q3UNZ8 | 328 | QGLIHPHTGAVFKLE K INDAFLHVMQRKSTG |
| Q8K4Z3 | 138 | RHLKLFGYQPTIYY P KRPNKPLFTGLVTQCQ |
| P55050 | 47 | GAHDNLKLTITQDGN K FTVKESSNFRNIDVV |
| P10639 | 8 | KSEILKVMVKLIES K EAFQEALAAAGDKLV |
| P10639 | 94 | FYKKGQKVGEFSGAN K EKLEASITEYAYETI |
| P10639 | 85 | EVKCMPTFQFYKKG Q KVGEFSGANKEKLEAS |
| Q9CQN1 | 326 | FQHEEFYRYIAQAYD K PRFTLHYKTDAPLNI |
| O55125 | 191 | PQPRAGPNIYELRTY K LKPGTMIEWGNWAR |
| F6WUQ1 | 31 | GQAEFDKAAEEVKRL K TQPTDEEMLFIIYSHF |
| P61922 | 252 | DIPSFWDWPIAPFPRL K YPLEEFTTDNQQEEA |
| P61922 | 413 | IIKREDLLNNVARVG K TLLTGLLDLQAQYPQ |
| D3YWR7 | 41 | DAILCVAGGWAGGNA K SKSLFKNCDMMWKQS |

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| Q504N4 | 135 | KVQLEPIPGRLLQAEKSVRVFERSVYSDRYI |
| Q9CQQ7 | 144 | EEKIAQLEEVKQSSMKQIQDAIDMEKAQQAL |
| Q9CQQ7 | 225 | KEEEHMIDWVEKHVVKSISVQQEKETIAKCI |
| Q8BFP9 | 403 | KALSTESVERLPVYNKAAWKHYKANHEADDW |
| P63017 | 328 | TLDPVEKALRDAKLDKSQIHDIIVLVGGSTRI |
| P62301 | 27 | SQSALPYRRSVPTWLKLTSDDVKEQIYKLAK |
| A2AE89 | 50 | MGDAPDFDRSQWLNEKFKLGLDFPNLPYLID |
| P28271 | 639 | NALAAPSEKLYAWNPKSTYIKSPFFESLTL |
| Q9D1I5 | 116 | LHPLGSDSPITGFLQKNKAGGMHHVCIEVDN |
| D3YVY3 | 93 | PDEKRVEEFKLKQMWKSPNGTIRNILGGTVF |
| Q68FE8 | 7 | DSKIYTTVMVTTYIKSDLQLDGRQFFQPKD |
| F8WGL3 | 92 | DKDCRYALYDATYETKESKKEDLVFIFWAPE |
| D3YZ54 | 341 | WKTLEKMKSNIAISKELASQKSLPMNYTIV |
| D3YZ54 | 542 | KPCLLNIMIEPQSTRKAQDFHWLTRSNMNSR |
| Q9CQA3 | 276 | PGKAIAEIKKMMATYKEKRALALARKEYTA |
| A2AKU9 | 49 | RLKSIKNIQKITKSMKMVAAAKYARAERELK |
| A2AKU9 | 154 | GILYRTHSDQFLVSFKDVGGRKPPTFGDASVI |
| Q5SX46 | 25 | LDLVKNRMQLSGEGAKTREYKTSFHALTSIL |
| P22315 | 135 | ERRIGGGSPIKMWTSKQGEGMVKLLDELSPA |
| P22315 | 412 | SLNCPLCVNPVCRKTKSFFTSQQQLQQSTFFS |
| P22315 | 287 | PYPQEVGATVHKVMEKLGYPNPYRLVWQSKV |
| Q8R086 | 88 | EHRCRASQESPRMYSKEDVRSHNNPKTGWWV |
| Q3TC72 | 202 | VAHDVSARDWQMRNGKQWLLGKTFDTCPLG |
| Q3TC72 | 128 | LNYADHCQEQNVRVPKSPIIFSKESSSIVGP |
| Q9D6Y7 | 104 | TQVGFAAGGHTRNPTYKEVCSEKTGHAEVVRV |
| Q9D6Y7 | 183 | EAALRSKEEYQKVLSKHNFGPITTDIREGQV |
| Q9DBP5 | 106 | IDGFPRNQDNLQGWNKTMDGKADVSVLFFD |
| Q8CFA2 | 368 | SPSLKKNVAMGYVPFKYSRPGTQLLVEVRRK |
| Q8K215 | 47 | AVRRIRDAFRENKNVKDPVEIQALVNKAKRD |
| P58710 | 398 | YETIMKKFGGRPHWAKAHNCTRKDFEKMYPA |
| Q9CQE1 | 166 | FQMKPGGPALWGNAFKRAVNAHVELGYSTLV |
| A2A7A7 | 213 | FFQEEEMYRVDHYLGKQAVAQILPFRDQNRK |
| D3YTQ5 | 272 | SRRGQEVLTRVKQFMKQHVFPAEKEVAEYYA |
| D3YTQ5 | 250 | LSKRTRLRTTPQADAKSQLFAQSRRGQEVLT |
| Q9DCM0 | 172 | LIRGCGRTDFQQGCAKTLYHSVHEKIFTPLPG |
| P23589 | 66 | SSAEGTRQSPINIQWKDSVYDPQLAPLRVSY |
| P02089 | 60 | SFGDLSSASAIMGNPKVKAHGKKVITAFNEG |
| B1AQR8 | 110 | GMPFELCFLVQRSEFKVMVNKKFFVQYQHRV |
| F8VPN3 | 82 | FTRHNGTGGRSIYGEKFEDENFILKFLASCP |
| F8VPN3 | 114 | TAKTEWLDGKHVVFGKVKEVMNIVEAMECFG |
| P03930 | 46 | QTFPLAPSPKSLTTMKVKTPWELKWTKIYLP |
| P03930 | 54 | PKSLTTMKVKTPWELKWTKIYLP HSLPQQQP |
| P03930 | 48 | FPLAPSPKSLTTMKVKTPWELKWTKIYLP HS |
| D3Z4I2 | 51 | SSAAAHTTEKTQIRPAKSSRPVFDWKDPLILE |

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| O35857 | 177 | SVSKSGEKLGKTAAFKAISQGVESVKKELDE |
| Q7TNG8 | 335 | EAITQDNNGSHFSWAKEAEKRNELWAARHNA |
| Q7TNG8 | 422 | ILLVDPDDAEEQRRVKAFANLGRRALALGG |
| Q9D2G2 | 354 | MNYADIERTINELGEKARKNELAIEDMDGGT |
| G3UYG6 | 1120 | VGVSNRQNKKEVEEEEKLLKLFQGVNKAQDGF |
| Q8R2K3 | 122 | RIFVEGKVDYGEYMDKNNVRRQATTIIADNI |
| P62717 | 76 | IVYCGQVFEKSPLRVKNFGIWLRYDSRSGTH |
| B1AWZ3 | 89 | TVGFGGRINTVFHIWKYDNFAHRAAVYKALA |
| Q6P1B1 | 130 | SRVGVDPLIIPTDYWKMAKVLRSAGHHLVP |
| A2BH06 | 162 | KKRRTGCIGAKHRISKEEAMRWFAQQKQFWR |
| Q9CWB7 | 99 | HLNGQFLMMHRVNTSKLEKQLRKLEQQVLAT |
| D3Z1G7 | 167 | RLSDYLFTVARYAAMKEGSQEKIYKKHDVDH |
| P68040 | 183 | CGWDKLVKVWNLANCKLKTNHIGHTGYLNTV |
| P68040 | 175 | SSNPPIVSCGWDKLVKVWNLANCKLKTNHIG |
| E9PYA3 | 158 | DTKVYCGHEYTVNNLKFARHVEPGNAAIQEK |
| F8WIT2 | 3 | SGRYMAGQAIKAMMAKIAQGAMYRGSVHDFP |
| Q9DCV4 | 245 | NPPSSTYEEALRYFHKAAEEVDPNFYSKNLLL |
| Q62452 | 97 | EDLDREFKYLSYTQWKTPEHSIRSFLTGSAR |
| B0R1E3 | 7 | QAKAIEDAMMADEIAKAQVAQPGGDTIFGKI |
| P16045 | 108 | DQADLTIKLPDGHEFKFPNRLNMEAINYMAA |
| D3Z1A9 | 21 | TTLQKMGKKQNGKSKKVEEAEPEEFVVEKVL |
| P28078 | 6 | VAGSKQEHEMMEHEQKSGAVLLRLLRLLWLL |
| D3Z7C6 | 7 | YWKASAPQMMQPASAKWYDRRDYVFIEFCVE |
| Q9Z204 | 8 | KNTVNSAMMASNVTNKTDPMSMNSRVFIGNL |
| P15864 | 121 | KLNKKAASGEAKPQAKKAGAAKAKKPAGAAK |
| P15864 | 46 | VRRKASGPPVSELITKAVAASKERSGVSLAA |
| P15864 | 34 | PAKKKAASKPAGVRRKASGPPVSELITKAVA |
| P70378 | 199 | GNRVKKTKAAAHFVPKLLEVAMYREPSLHSV |
| B7ZC50 | 112 | GMTKADLINNLGTIAKSGTKAFMEALQAGAD |
| P11438 | 145 | IYTMDSSTTDIKADINKAYRCVSDIRVYMKNV |
| Q8K009 | 70 | PKDGDGKADPLALAAEKDGTVPFKFPRWRLKG |
| P08113 | 360 | RPSKEVEEDEYKAFYKSFSKESDDPMAYIHF |
| Q80X90 | 1572 | TDQEGKPQRATVHDNKGDTYAVTYIPDKTGR |
| Q80X90 | 349 | AGQHISKSPFEVNVDKAQGDASKVTAKGPGL |
| Q80X90 | 551 | KSPFEVQVGPEAGMQKVRWGPGLHGGIVGR |
| Q80X90 | 1232 | PAWVKVEPAIDTSGIKAFGPGIEGKDVFREA |
| Q80X90 | 1510 | VKYADEEIPRSPFKVKVLPTYDASKVTASGP |
| Q80X90 | 1416 | YGGVHIPGSPFRVPSKDVVDPSKVKIAGPGL |
| Q8VCG1 | 103 | SAYDYTISPMEKAIVKTDIQIAVPSGCYGRV |
| P11499 | 559 | PEDEEEKKKMEESKAKFENLCKLMKEILDKK |
| E9Q5T3 | 228 | PKIPKGPSSVEDIKAKMQASIEKGGSLPKVE |
| B8JJK2 | 56 | RPTRPDKARRLGYKAKQGYVIYRIRVRRGGR |
| P62827 | 159 | LQYYDISAKSNYNFEKPFLWLARKLIGDPNL |
| Q8VDD5 | 1793 | NARQQLERQNKELKAKLQEMESAVKSKYKAS |

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| Q8VDD5 | 1209 | HSQAVEELADQLEQT K RVKATLEKAKQTLEN |
| Q8VDD5 | 1754 | EEEQGNTTELINDRL K ANLQIDQINTDLNLE |
| Q8VDD5 | 1372 | KQIATLHAQVTDMM K MEDGVGCLETAEEAK |
| Q8VDD5 | 1454 | LEKKQKKFDQLLAEE K TISAKYAEERDRAEA |
| Q8VDD5 | 299 | AGEHLKTDLLLEPYN K YRFLSNGHVTIPGQQ |
| Q8VDD5 | 651 | FKTRKGMFRTVGQLY K EQLAKLMATLRNTNP |
| Q8VDD5 | 1410 | EGLSQRLEEKVAAYD K LEKTKTRLQQEELDDL |
| Q8VDD5 | 1806 | KAKLQEMESAVKSKY K ASIAALEAKIAQLEE |
| B7FAU9 | 906 | KPTHFTVNAKTAGKG K LDVQFSGLAKGDAVR |
| B7FAU9 | 2599 | VGVHGPRTPCEEILV K HMGSRLYSVSYLLKD |
| B7FAU9 | 994 | LGDKVDVGKDQEFTV K SKGAGGQGVASKIV |
| B7FAU9 | 2465 | GAGALSVTIDGPSKV K MDCQECPEGYRVITYT |
| B7FAU9 | 1450 | GSPFKVPVHDVTDAS K VKCSGPGLSPGMVRA |
| P99024 | 58 | QLDRISVYYNEATGG K YVPRAILVDLEPGTM |
| D3Z1N9 | 112 | IAHPKLGKRIRSYMA K GQRLCQPKPKVQTKA |
| E9Q616 | 1309 | VNIEGPDAKLKGPKF K MPEMNIKAPKISMPD |
| E9Q616 | 941 | GKLKGPKLKMPEMNI K APKISMPDVDLHMKG |
| E9Q616 | 2987 | IEGDLKGPSLDIKSP K LDVNAPDIDVHGPEG |
| G3XA10 | 319 | GVSKGKVCFEMKVTE K IPVRHLYTKDIDIHE |
| O54734 | 174 | VADTENLLKAPTIVG K SSLNPILFRGVGMVA |
| K3W4R2 | 433 | ALLTPRIKVGRDYVQ K AQTKEQADFALEALA |
| Q9D1R9 | 43 | NRIVYLYTKKVGKAP K SACGVCPGRLRGVRA |
| P19324 | 295 | LEKLLTKEQLKAWMG K MQKKAVAIISLPKGVV |
| P19324 | 290 | EPLERLEKLLTKEQL K AWMGKMQKKAVAIISL |
| E9PUX4 | 139 | YPTEDVPRKLLSHGK K PFSQHVRRLRSSITP |
| E9PUX4 | 102 | VEKKKKKEKVLATVT K TVGGDKNGGTRVVKL |
| H3BJB6 | 159 | MDDIERAVDDGVNTF K VLTRDKRLVPGGGAT |
| H3BJB6 | 85 | MLVRLNSKWDLRRLC K TVGATALPKLTPPVQ |
| Q91VD9 | 450 | PVDLTTRYDHLGDS P KILQDIASGRHSFCEV |
| Q5SXR6 | 741 | SQDPDVHFKYIQAA C K TGQIKEVERICRESN |
| Q32MW3 | 294 | RILPPKAVWMEDTKL K SLDICHQPQERNVFN |
| Q3UJQ9 | 185 | SPIKYNKDGSAIAS K PREVREFNGQHFILE |
| Q3UJQ9 | 434 | MVKGMGGAMDLS S S S K TKVVVTMEHSAKGNA |
| Q3UJQ9 | 451 | KVVVTMEHSAKGNAH K IMEKCTLPLTGKQCV |
| Q3UJQ9 | 421 | KYGDLANWMI PGKM V K GMGGAMDLS S S S K TK |
| Q3UJQ9 | 418 | QVSKYGDLANWMI PG K MVKGMGGAMDLS S S S |
| Q3UJQ9 | 176 | YGTLVQEGGSPIKYN K DGSAIASKPREVRE |
| Q9Z0J0 | 105 | PDGCKSGINCPIQKD K VYSYLNKLPVKNEYF |
| F7C312 | 80 | VPTSAPRGLFDEYGS K KSDYIKLYVRRVFIT |
| F7C312 | 213 | TSLDQYVERMKEKQD K IYFMAGSSRKEAESS |
| P14211 | 209 | GSLEDDWDFLPPKKI K DPDAAKPEDWDERAK |
| P61089 | 94 | NVDKLGRICLDILKD K WSPALQIRTVLLSIQ |
| P07901 | 632 | AQALRDNSTMGYMA K KHLEINPDHSIIETL |
| F2Z471 | 20 | PTYADLGKSARDVFT K GYGFGLIKLDLKTGS |

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| P83882 | 38 | VTQYKKGKDSLYAQG K RRYDRKQSGYGGQTK |
| Q99KE1 | 224 | NMALLKDPFYMGLYQ K RDRSQLYDDLMDEFM |
| Q99KE1 | 26 | PCTLTCRRVHLKEKG K PLMLNPRTNKGMAFT |
| Q99KE1 | 74 | ETQDIQALRFHRNLK K MTSPLEKYIYIMGIQ |
| P19536 | 85 | SGTKEDPNLVPSISN K RIVGCICEEDNCTVI |
| D3Z1R1 | 53 | IFLRELISNASDALD K IRYESLTDPSKLD SG |
| E9QAD6 | 41 | GVTAVAFNKELDPVQ K LFVDKIREYKSKRQA |
| D3Z7P3 | 135 | FGNSEGKEMVAAGDN K IKQGLLPSLEDLLFY |
| P26041 | 72 | TWLKLNKKVTAQDVR K ESPLLFKFRAKFYPE |
| P26041 | 151 | DFNKEVHKSGYLAGD K LLPQRVLEQHKLNKD |
| G3X9D5 | 44 | KRKRSRKESYSVYVY K VLKQVHPDTGISSKA |
| P20152 | 120 | VELQELNDRFANYID K VRFLEQQNKILLAEL |
| P20152 | 104 | ADAINTEFKNTRTNE K VELQELNDRFANYID |
| G5E8N5 | 347 | VVKVTLTPEEEARLK K SADTLWGIQKELQFQ |
| G5E8N5 | 272 | KEVHKQVVDSAYEVI K LKGYTSWAIGLSVAD |
| P58252 | 275 | LWGDYFD PANGKFS K SANSPDGKKLPRTFC |
| P58252 | 318 | AIMNFRKEETAKLIE K LDIKLDS EDKDKEGK |
| P58252 | 42 | HVDHGKSTLTDSLVC K AGI IASARAGETRFT |
| D3YZ68 | 179 | QKRYEEIVKEVSTYI K KIGYNPDTVAFVPIS |
| D3YZ68 | 44 | YKCGGIDKRTIEKFE K EAAEMGKGSFKYAWV |
| D3YZ68 | 172 | STEPPYSQKRYEEIV K EVSTYIKKIGYNPDT |
| D3Z6C3 | 56 | IRNIGKTLVTRTQGT K IASDGLKGRVFEVSL |
| J3QMG3 | 225 | AWTAGSNNTFRGIAA K YKLDCRTSLSAKVNN |
| P22682 | 285 | LTYDEVKARLQKFH K PGSYIFRLSCTRLGQ |
| Q3UH59 | 624 | KADFCIIHYAGKVDY K ADEWLMKNMDPLNDN |
| Q8K2Y7 | 184 | AWRRDIFGRIVWHKF K QWPIPWYLNKRYNRR |
| P20029 | 214 | IINEPTAAAIAYGLD K REGEKNILVFDLGGG |
| P20029 | 448 | VMTKLI PRNTVVPT K KSQIFSTASDNQPTVT |
| P20029 | 447 | GVMTKLI PRNTVVPT K KSQIFSTASDNQPTV |
| P20029 | 269 | LGGE DFDQ RVMEHFI K LYKKKTGKDVRKDNR |
| Q01853 | 60 | KMDELQLFRGDTVLL K GKKRREAVCIVLSDD |
| Q8BH04 | 491 | SAMRSESTAAAEHK K GTIMHDPFAMRPFFGY |
| Q8BH04 | 90 | ALLEEQGLIRKL PKY K NCWLARTDPKDVARV |
| E9PZF0 | 12 | SNAMMANSERTFIAI K PDGVQRGLVGEI IKR |
| Q61576 | 225 | IKGMDQGLLG MCPGE K RKIIIPFLAYGEKG |
| P48678 | 201 | EMLRRVDAENRLQTL K EELDFQKN IYSEELR |
| P48678 | 270 | QVEQYKKELEKTYSA K LDNARQSAERNSNLV |
| O88342 | 104 | QKEHLLKYEQPFAG K IKDIAWTEDSKRIAV |
| P27659 | 286 | QKGYHHRTEINKKIY K IGQGYLIKDGKLIK N |
| Q8CFI7 | 644 | EKQKLLLKKRHIDQL K EREYNNYSWQDLVAS |
| Q9QXB9 | 174 | LEKELESVGIRLNKH K PNIYFKPKKGGG ISF |
| A2AL12 | 134 | PGAHLTVKKIFVGGI K EDTEEYNLRDYFEKY |
| E9Q4Y4 | 1925 | RKVLLDPKVLRIFPD K FVLKERTQE HITLVY |
| F6ZKZ3 | 173 | PEGFAYPKIGSNYSV K TVEK TWKALQGFKEG |

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| P97314 | 137 | CGDSVYAAEKIIGAG K PWHKNCFRCAKCGKS |
| F6YJW4 | 148 | KCRRPAVKQFHDSKI K FPLPHRVLLQHQHKP |
| Q9CQ65 | 49 | VDTFPGKPSDALILG K IKNVDCVLLARHGRQ |
| P97379 | 392 | VVFDDSEPVQRILIA K PIMFRGEVRLNVEEK |
| E9Q876 | 1735 | EGFGLLLKKIMAILI K RFHHTRRNWKGLIAQ |
| B1ARA3 | 36 | APSHIRRKIMSSPLS K ELRQKYNVRSMPIRK |
| P67984 | 80 | RSKSKITVTSEVPFS K RYLKYLTKKYLKKNN |
| B1AXN3 | 416 | IDDVNYAQEKFDIIV K DLMSKMEYTEINSDS |
| P29341 | 361 | ATKAVTEMNGRIVAT K PLYVALAQRKEERQA |
| Q9ERG0 | 437 | LSLGTYASLHGRIYC K PHFNQLFKSKGNYDE |
| E9PYH2 | 373 | EKKRFEEGKGRYLQM K AKRQGHTEPQPQPET |
| Q80X50 | 249 | TRLDFIGVEGSNYPR K FETAPGAWRTATEEW |
| Q5SX75 | 482 | GATVFPDLGAAIWP K GTAVFWYNLLRSSEG |
| Q9R0E1 | 708 | GCRFLRYDCRISSPR K GWALLHPGRLTHYHE |
| Q9WUP7 | 289 | EVQKLKRYKIENIRR K HNYLPFIMELLKTLA |
| Q9D8E6 | 353 | NTILRQARNHKL RV K LEAAATALATKSEKV |
| P30681 | 157 | QPYEQKA AKLKEKY E KDIAAYRAK GKSEAGK |
| Q9QZD8 | 158 | ALDGLYRVAREESLR K LFSGATMASSRGALV |
| H3BL56 | 7 | VLKKRIAAMMAAIR K LVIVGDGACGKTCLL |
| P48036 | 288 | SRSEIDLFNIRKEFR K NFATSLYSMIKGDTS |
| P32921 | 158 | SHRDMNQILDAYEN K PFYLYTGRGPSSEAM |
| Q8K0D5 | 541 | RETIVAPVPFDFTH K QSGGAGQFGK VIGVL |
| Q05816 | 82 | CNLGEKFDETTADGR K TETVCTFQDGALVQH |
| D3YWW3 | 121 | PIIVFRGEHGFIGCR K VGTGLDANRSSYDVF |
| Q61753 | 8 | KRLNAFAMMAFANLR K VLISDSLDPCCRKIL |
| P62274 | 33 | SRSCRVC SNRHGLIR K YGLNMCRQCFRQYAK |
| E9Q1V0 | 115 | TDAIKLNPR LAILYA K RASVFVKLQKPNA A |
| Q9ERQ3 | 343 | LLFDEPIPRKRKNSM K VFMFKCLWKSCGKVLN |
| Q9Z110 | 347 | HPKVS GHVITDIVEG K KVG TFFSEVKPAGPT |
| B1ATZ0 | 549 | LQEQEKERQMRLEQQ K QTVQMRAQMPAFPLP |
| Q62446 | 200 | GEKARLEIEPEWAYG K KGQPD AKIPNTKLI |
| P63158 | 146 | EMWNNTAADDKQPYE K KAAKLKEKY EKDIAA |
| Q3UQ44 | 910 | KPSYLAKLIFQMPQN K STKFMDTVIFTLYNY |
| Q02053 | 528 | LNRQFLFRPWDVTKL K SDTAA AAVRQMNPYI |
| D3YXP6 | 69 | EHGLDFQRLLDASTY K ETYRRDMICWGEQKR |
| D3YW66 | 219 | GSTLQTKLLIGADGH K SGVRQAAGIQNVSWK |
| D3Z494 | 145 | GVSNFNHFQIERLLN K PGLKHKPV TNQVECH |
| A2AAW9 | 312 | RPGIVSKDSEGKLMC K PIFSKIVSLFAEHND |
| A1EGX6 | 84 | SRKEYESLRLSSQLQ K TLMKRKHVQDMTDKS |
| A1EGX6 | 88 | YESLRLSSQLQKTLM K RKHVQDMTDKSLQTE |
| D3YWC0 | 19 | RLTYCQRLSYNTASN K TRLSRTPDN RIVYLY |
| Q9D5A0 | 350 | MLYNSRSKLSDYFNI K RVPSELREKASVVNA |
| Q61102 | 350 | DSLLNYETVKYFNNE K YEAQRYDGFLKTYET |
| P41105 | 33 | IKR NKQTYSTEPNNL K ARNSFRYNGLIHRKT |

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| Q922Q8 | 73 | FCGLTHLVKLDLSKN K LQQLPADFGRLVNLQ |
| Q922Q8 | 149 | EKQCKQCANKVLQH M KAVQADQERERQRRLE |
| F6QPR1 | 108 | AKMLGEALSKNPGYI K LRKIRAAQNISKITIA |
| A2A654 | 1228 | ESGVKGAGKPPMGAL K SSSESPGSTKASEGH |
| Q6ZWU9 | 5 | SPHLLDKALPMMPLA K DLLHPSPEEEKRKHK |
| D3Z6B9 | 64 | GLDTGPILLQRSCDV K PNDTVDSLNRFLFP |
| Q9CY58 | 68 | SAAQAAAQTNNAAG K QLRKESQKDRKNPLP |
| F6SVV1 | 72 | AIIFVVPVPQLKSFQ K IQVRLVRELEKKFSG |
| Q91XV3 | 170 | GPEAKSDAAPASDS K PSSAEPAPSSKETPA |
| G5E8U2 | 419 | CPFRCAKDNLKSH M KVHQHQDRGETFQCQL |
| Q8R2P8 | 276 | LILNDFVRQKFIVRS K IITYIRSFLDELGFL |
| P11983 | 400 | CDEMERSLHDALCVV K RVLELKSVPVGGGAV |
| J3QK72 | 298 | GRSSGPYGGGGQYFA K PRNQGGYGGSSSSSS |
| A2AU61 | 163 | VKLFARSTAVTTGSA K IKLKSSELQTIKTEL |
| A2AMW0 | 223 | MENKIRSTLNEIYFG K TKDIVNGLRSVQTFA |
| Q9D8N0 | 294 | PFAHLPKSTFVLDEF K RKYSNEDTLSVALPY |
| O08997 | 60 | EHSSDTLLATLNKT G KAVSYLGPKPGLYSVA |
| O35691 | 237 | NEHNAKIIKYIRTKT K PHLFYIPGRMCPATQ |
| G3UZJ6 | 55 | FLARRTNSTFNQVV L KRLFMSRTNRPPLSLS |
| D6RGB5 | 67 | KTRVLGQVSCELVSP K LNRATEGILFFNLEL |
| O08553 | 520 | EVSVTPKTVTPASSA K TSPAKQQAPPVRNLH |
| D3Z794 | 33 | INLKVAGQDGSVVQF K IKRHTPLSKLMKAYC |
| D3YZY0 | 114 | PEEHPTLLTEAPLN P KANREKMTQIMFETFN |
| P09041 | 30 | KGKRVIMRVDFNVPM K NNQITNNQRIKAAIP |
| A2A9Q2 | 535 | TITWALPPQQQHRYV K PLHYISWLVGHEGKG |
| Q14C51 | 328 | NDILDLLKHMVAQKV K PNLQTFNTILKGLRK |
| P57780 | 626 | PYTTVTPQIINSKWE K VQQLVPKRDHALLEE |
| P11440 | 245 | EVESLQDYKNTFPKW K PGSLASHVKNLDENG |
| Q3UIU2 | 93 | PMWVHYYVKYHMA T KPYTIVSSKPRIFFGD |
| B0V2N5 | 166 | TERSVCHLQKVFER Y KSYSPYDMLSEIKKEV |
| P47962 | 220 | ADYMRYLMEEDEDAY K KQFSQYIKNNVTPDM |
| F8WIR1 | 127 | ILDIACWVHHKYNSD K SSTYVKNGTSFDIHY |
| P60766 | 163 | DLKAVKYVECSALT Q KGLKNVFDEAILAALE |