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A5FZ21 VDIR...QYFNVL.LNYKWRLLSFAIVTLLA...LLFVL.SMRSETARATILIESTQAV...SIEEYVG.LD.TKSQEYLL
A3G76 VDIR...QYFNVL.LNYKWRLLSFAIVTLLA...LLFVL.SMRSETARATILIESTQAV...SIEEYVG.LD.TKSQEYLL
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A0TL6 .FV.AVLDLL.LESRWLLAATIT.CVLLAAG...LAYAF.LGKPVANIMQVSDNSGSD...TLN...DKL.GELASLF.QSK...ASTD
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B1BH10 ... FI ... AVLDLLE.TEGRWLLAAIA.LGVFIVG... VAVAV.FSKPVVQADILIQVEDS.PDT... SA.AKSLL.GDVSSLF.DVK... S5AA
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A0GD66 ... FV ... TILDVLE.TESRWLIGIVV.AFFVVTG... TLVAF.LSNPVVEADLLIQVEDS.PES... SA.EGSLLD.GDVSSLF.DVK... STAA
B1BF12 ... LA ... GVIDTF.VSRWLLIACVT.AACVAGG... TLVAF.LSHQVQADILIQVEDS.GDA... SG.AKSLL.GDVSSLF.DVK... STAA
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Q3K9H3 ... SIDL ... GTFGSL.IDQKWLIIAGIT.GAFMGTG... VAYAI.LATPIYRADIIMVQVEDS.KND... MLGFSPLNS.M.LGQQ... SP5V
Q4TWZ7 ... SIDL ... RLLGAL.LDRWLLIATVT.SLFLG... TGLGL.FATPIYRADIIMVQVEDS.SGT... VPLGMDG... TQA... PGM
A5CWB2 ... EIDL ... ALLGAL.LDRYFIIAGIT.ALFMFIG... VYVAV.LSTPIYQADILIQVEDS.SAS... VPGFDMMAG.M.FEST... SAAV
A0G1Q0 ... EIDF ... NLGAL.IDHRKLLIATVT.GTFVTLG... VLVSJ.LATPIYRADIIMVQVEDS.PTG... GTMMAGDQLL.NTAN... ABAV
Q7N0Y6 ... EIDL ... RLLSAL.FDYRWVIGIT.LLFTVIG... LCYSJ.LATPIYRADIIMVQVEDS.PTG... GTMMAGDQLL.NTAN... ABAV
Q84GX2 ... EIDL ... RLLSAL.FDYRWVIGIT.LLFTVIG... LCYSJ.LATPIYRADIIMVQVEDS.PTG... GTMMAGDQLL.NTAN... ABAV
A0KM80 ... EIDL ... RLLGAL.LDRWLLIATVT.SLFLG... TGLGL.FATPIYRADIIMVQVEDS.SGT... VPLGMDG... TQA... PGM
A2PBK6 ... EIDL ... RLLGAL.LDRWLLIATVT.SLFLG... TGLGL.FATPIYRADIIMVQVEDS.SGT... VPLGMDG... TQA... PGM
AKCVI7 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A6AFB4 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A6ASR0 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
Q06B98 ... MHPH ... RYH ... NG ... FAVFG... VTFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A0SQG5 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A0UQX6 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
AEKZ88 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
Q7MF63 ... EIDL ... KLLGAL.LDAKWLIIATVT.PLFAVVG... VAVAL.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
Q8BD24 ... EIDL ... KLLGAL.LDAKWLIIATVT.PLFAVVG... VAVAL.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
Q2EXK3 ... EIDL ... KLLGAL.LDAKWLIIATVT.PLFAVVG... VAVAL.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A7JX87 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
Q1VFX8 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A6AQ24 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A6B0V0 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
Q87F54 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A7N712 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A8T3C8 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A3Y9Z8 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A6FC99 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A9ISQ1 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
Q5ER16 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
Q1ZRT7 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
Q2CSW6 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
Q1Z896 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
Q6LNR2 ... EIDL ... KLFGLL.LDGKWLIIATVT.MVFAVVG... VAFAI.LSTPIYKADALIQEAKKGGG... ISSLVGDMGELF.SSD... STAT
A6GFV4 ... EIDL ... RLIGPL.WDNRWLLIATVT.FVAGILG... CAYAL.MATPIYQADALIQEAKKGGG... SL.LRETLDSSIGSI.GON... SATQ
A1ACR5 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
A7ZNN4 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q8FQ15 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
F7639F ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
E1LZ14 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
B1B4M7 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
B1B4Z1 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
B1B4T5 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q3Z0E3 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q0T371 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q3K19 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q0TQ30 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q1R4L2 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q8X7L9 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
B1LNY3 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
A1B8C4 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q57M88 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q5PDX9 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
A9N7M8 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q9F7B1 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q8Z5G6 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
A1B8Y5 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
A4W8C0 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
A7MH44 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q6D7A6 ... EIDL ... RLLGAL.LDRWLLIATVT.SLFLG... TLVAF.LATPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q2NUC0 ... EIDL ... RIFGSI.IDYKWLIIATVT.SLAAALG... ILYTL.FATPIYRADIIMVQVEDS.TGTS... QIQ.MNLSL.LEAK... PYSM
Q46631 ... RFLA ... RLLGAL.LDRWLLIATVT.SLFLG... TLVAF.LATPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q8V7H8 ... RFLA ... RLLGAL.LDRWLLIATVT.SLFLG... TLVAF.LATPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q5KQZ1 ... EIDL ... RLVGTV.TEARNWVIGIT.AVFALCA... VVTF.FATPIYSADALVQEQKSGG... SLVQ.DIGSAL.ANKP... PASD
Q07ZM6 ... EIDL ... RLIGEV.IDHRKLLIATVT.FLFLG... FLVAF.LAPPVVEADLVQVEDS.NGN... NFLS.SLSQVL.PTP... PQSA
Q5XL53 ... EIDL ... RLIGEV.IDHRKLLIATVT.FLFLG... FLVAF.LAPPVVEADLVQVEDS.NGN... NFLS.SLSQVL.PTP... PQSA
A2V7T4 ... EIDL ... RVIGEL.IDHRKLLIATVT.SVFTLFA... ILYAL.LATPIYRADIIMVQVEDS.NGN... AILS.SLSQVL.PDQ... PQSA
A2V7U9 ... EIDL ... RVIGEL.IDHRKLLIATVT.SVFTLFA... ILYAL.LATPIYRADIIMVQVEDS.NGN... AILS.SLSQVL.PDQ... PQSA
Q9X4B9 ... EIDL ... RVIGEL.IDHRKLLIATVT.SVFTLFA... ILYAL.LATPIYRADIIMVQVEDS.NGN... AILS.SLSQVL.PDQ... PQSA
A7M6X7 ... EIDL ... RLIGEV.IDHRKLLIATVT.SVFTLFA... ILYAL.LATPIYRADIIMVQVEDS.NGN... AILS.SLSQVL.PDQ... PQSA
A8GC49 ... EIDL ... RLIGEL.IDHRKLLIATVT.SVFTLFA... ILYAL.LATPIYRADIIMVQVEDS.NGN... AILS.SLSQVL.PDQ... PQSA
A6T8F7 ... EIDL ... RLIGEV.IDHRKLLIATVT.SVFTLFA... ILYAL.LATPIYRADIIMVQVEDS.NGN... AILS.SLSQVL.PDQ... PQSA
A7M6Z3 ... EIDL ... RLIGEV.IDHRKLLIATVT.SVFTLFA... ILYAL.LATPIYRADIIMVQVEDS.NGN... AILS.SLSQVL.PDQ... PQSA
Q48452 ... EIDL ... RMVGL.IDHRKLLIATVT.SVFTLFA... ILYAL.LATPIYRADIIMVQVEDS.NGN... AILS.SLSQVL.PDQ... PQSA
A2V7M4 ... EIDL ... RVIGEL.IDHRKLLIATVT.SVFTLFA... ILYAL.LATPIYRADIIMVQVEDS.NGN... AILS.SLSQVL.PDQ... PQSA
A2V7Y1 ... EIDL ... RVIGEL.IDHRKLLIATVT.SVFTLFA... ILYAL.LATPIYRADIIMVQVEDS.NGN... AILS.SLSQVL.PDQ... PQSA
A7ZK84 ... EIDL ... RLVGEL.WDHRKLLIATVT.ALFTLIA... VAVSL.LSTPIYQADTLVQEQKSGG... AILS.GLSDMI.PNS... PESA
P38134 ... EIDL ... RLVGEL.WDHRKLLIATVT.ALFTLIA... VAVSL.LSTPIYQADTLVQEQKSGG... AILS.GLSDMI.PNS... PESA
Q3Z3E0 ... EIDL ... RLVGEL.WDHRKLLIATVT.ALFTLIA... VAVSL.LSTPIYQADTLVQEQKSGG... AILS.GLSDMI.PNS... PESA
Q31Y44 ... EIDL ... RLVGEL.WDHRKLLIATVT.ALFTLIA... VAVSL.LSTPIYQADTLVQEQKSGG... AILS.GLSDMI.PNS... PESA
A7ZT22 ... EIDL ... RLVGEL.WDHRKLLIATVT.ALFTLIA... VAVSL.LSTPIYQADTLVQEQKSGG... AILS.GLSDMI.PNS... PESA
B1LVV2 ... EIDL ... RLVGEL.WDHRKLLIATVT.ALFTLIA... VAVSL.LSTPIYQADTLVQEQKSGG... AILS.GLSDMI.PNS... PESA
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Q0T655 ... EIDL ... RLVGEL.WDHRKLLIATVT.ALFTLIA... VAVSL.LSTPIYQADTLVQEQKSGG... AILS.GLSDMI.PNS... PESA
Q83LL7 ... EIDL ... RLVGEL.WDHRKLLIATVT.ALFTLIA... VAVSL.LSTPIYQADTLVQEQKSGG... AILS.GLSDMI.PNS... PESA
P58764 ... EIDL ... RLVGEL.WDHRKLLIATVT.ALFTLIA... VAVSL.LSTPIYQADTLVQEQKSGG... AILS.GLSDMI.PNS... PESA
Q32H6 ... EIDL ... RLVGEL.WDHRKLLIATVT.ALFTLIA... VAVSL.LSTPIYQADTLVQEQKSGG... AILS.GLSDMI.PNS... PESA
E1ERL8 ... EIDL ... RLVGEL.WDHRKLLIATVT.ALFTLIA... VAVSL.LSTPIYQADTLVQEQKSGG... AILS.GLSDMI.PNS... PESA
A4WC0 ... EIDL ... RLLGAL.LDRWLLIATVT.SLFLG... TLVAF.LATPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
B0QVZ7 ... EIDL ... RLLGAL.LDRWLLIATVT.SLFLG... TLVAF.LATPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q9CM26 ... EIDL ... RLLGAL.LDRWLLIATVT.SLFLG... TLVAF.LATPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q1QWU3 ... EIDL ... RLLGAL.LDRWLLIATVT.SLFLG... TLVAF.LATPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q5D1Y2 ... EIDL ... RLLGAL.LDRWLLIATVT.SLFLG... TLVAF.LATPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q0V4R3 ... EIDL ... RLLGAL.LDRWLLIATVT.SLFLG... TLVAF.LATPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q0A890 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q8Z5N1 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
B1D7F4 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
A6GM15 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
A8VLL1 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
B0P1E6 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q2IHH7 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
A7H1R0 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
A7H9R3 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
A7HDN7 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q0AAL3 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
B0V615 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
B0VMQ4 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q9RMD9 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q52788 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS
Q6FV8 ... EIDL ... ELLDLE.ADNKLLIATVT.FITCLIG... AAISF.LSRPIYRADIIMVQVEDS.NGN... ANTNNGKLN.AGISPML.DVK... PAAS

ASWC15 EDLDM...ALLLAL.LRGWKTILATA.LLGLLLG...VTYSR.YVQPTTQDALLQIDNKS...STAAALGANISELVGEE...STPAE
A3DF66 EDLDR...EMVYLL.LKK.WYLIVLC.FVLSAGTA.FVVYQF.YIKPVYKATTLFLGKEKQD...V.SLFSFDIGVNN...QLVVD
A5G8LO EVHLL...DYLRLV.MRRRWSFIGVF.CVVFLG...VAITY.SVKTPEAATLHVHDSKSG...K.GDLLGALGVSE...KNTVD
A1BQ06 EISLE...EFKIV.LRRKYGILVM.ALSLFAA...IFYHY.TETPEYHAYVMMINDNKEPT...DL.LATVLGSGAAVDN...KAVK
Q3VQ54 EISLG...ELKTI.LRRKYGILVM.ALSLFAA...WINK.AQTEYHAYVMMINDNKEPT...DL.LATVLGSGAAVDN...KAVK
A4S730 EITVD...EIFRI.LRRKYGILVM.ALSLFAA...MLVYV.LQKPEYHAYVMMINDNKEPT...DL.LATVLGSGAAVDN...KAVK
Q3VJ33 ...IQ...ELLOVL.WNNKLIIGAVT.GLVVMLV...LLHF.SATPEYHAYVMMINDNKEPT...DL.LATVLGSGAAVDN...KAVK
Q4AL13 ...IQ...ELLOVL.WNNKLIIGAVT.GLVVMLV...MLHF.SATPEYHAYVMMINDNKEPT...DL.LATVLGSGAAVDN...KAVK
Q44LW6 ...IQ...ELLRLL.WGRKYLILAVT.AASLALA...LLFRY.SATPEYHAYVMMINDNKEPT...DL.LATVLGSGAAVDN...KAVK
A6L0K5 ...IQ...DLWGMF.IPKWYWFATSL.FVALATA...SLYLL.STPNVYTRTAAILIKDDSKNN...S.PASAMNEFADMGIFKSN...TNIN
A7ACT5 ...IQ...DLWGMF.IPKWYWFATSL.FVALATA...SLYLL.STPNVYTRTAAILIKDDSKNN...S.PASAMNEFADMGIFKSN...TNIN
A6KY94 ...IQ...DLWGMF.IPKWYWFATSL.FVALATA...SLYLL.STPNVYTRTAAILIKDDSKNN...S.PASAMNEFADMGIFKSN...TNIN
A7V4S1 ...IQ...DLWGMF.IPKWYWFATSL.FVALATA...SLYLL.STPNVYTRTAAILIKDDSKNN...S.PASAMNEFADMGIFKSN...TNIN
B0N1U9 ...IQ...DLWGMF.IPKWYWFATSL.FVALATA...SLYLL.STPNVYTRTAAILIKDDSKNN...S.PASAMNEFADMGIFKSN...TNIN
A7AJ60 ...IQ...DLWGMF.IPKWYWFATSL.FVALATA...SLYLL.STPNVYTRTAAILIKDDSKNN...S.PASAMNEFADMGIFKSN...TNIN
A7ABU7 ...IQ...DLWGMF.IPKWYWFATSL.FVALATA...SLYLL.STPNVYTRTAAILIKDDSKNN...S.PASAMNEFADMGIFKSN...TNIN
B0N94 GTVIA...DMLSAV.YRNRKWLIVL.AVCVLIIG...FLYK.SSKKILRATVVKDEQKGG...G.VN.GAAAFQDLFSLGG...STVD
B0M110 TFSVH...DLQTV.YANWYWFATSL.FVALATA...SLYLL.STPNVYTRTAAILIKDDSKNN...S.PASAMNEFADMGIFKSN...TNIN
Q7MW22 FFSLE...EFFLSL.LTSNWKIVASV.LACLLIA...YIIO.RQSPIYHAQATVLIKSAEKS...G.T.DLATLSDELALGSR...RWD
A5ZNE7 ...EFFLSL.LTSNWKIVASV.LACLLIA...YIIO.RQSPIYHAQATVLIKSAEKS...G.T.DLATLSDELALGSR...RWD
B0P408 ...EFFLSL.LTSNWKIVASV.LACLLIA...YIIO.RQSPIYHAQATVLIKSAEKS...G.T.DLATLSDELALGSR...RWD
A6BH65 ...EFFLSL.LTSNWKIVASV.LACLLIA...YIIO.RQSPIYHAQATVLIKSAEKS...G.T.DLATLSDELALGSR...RWD
A6NFR4 ...EFFLSL.LTSNWKIVASV.LACLLIA...YIIO.RQSPIYHAQATVLIKSAEKS...G.T.DLATLSDELALGSR...RWD
B1C231 ...EFFLSL.LTSNWKIVASV.LACLLIA...YIIO.RQSPIYHAQATVLIKSAEKS...G.T.DLATLSDELALGSR...RWD
B0P409 ...EFFLSL.LTSNWKIVASV.LACLLIA...YIIO.RQSPIYHAQATVLIKSAEKS...G.T.DLATLSDELALGSR...RWD
A5V160 .MTLO...RYLTLF.WRWLWMLLMT.LIAGGAA...YLVSR.QMTPYIEASTTLLINQAPAGS...S.SPDYQAVLT...AERLAR
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A9B6E3 MNIIR...RYITGL.RRRWLLVVLGP.VVAAGAA...YGISS.QQTPRYASSTRVIVGQTLKNS...NPDYGSVA...SERLVA
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A4TF38
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Q57M8 ..YRFLVTGMEAESGFAPFNIAKIN.ELDA..IE..GLKQNLISIEKKG...QTVIVLSLGTGE.....NPAQIRTLDDNISQYFLQNIQRKS
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P38134 ..VAITIAIDIKAPGTOFVLSQRT.ELEA..IN..ALQETPTVSEKSK...ESGMELMTGD.....DPQLITRILNSIANNYQNIQRKA
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Q31YP4 ..VAITIAIDIKAPGTOFVLSQRT.ELEA..IN..ALQETPTVSEKSK...ESGMELMTGD.....DPQLITRILNSIANNYQNIQRKA
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B0P408MSSDKRNIISVNDYEMNIDLYSILRD.....INWYALVILLLAAASMLLSVYVGR
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B0IGB7RLVETAIKSLKDLVREQEDAVNEKMM..ALKKLIASSELYPTSWRNGEHRSTTAGMEEEE...FRNKAQAQAMPFERREKELASVQELQIR
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B1CUG3IYLDERKQSVSGRVLVLAEBEWIRQIT...EQVVRADIAADARNYQESMDIVSKEDAQ...DERIKTLLELTGREKIGIESRVEVKA
405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500

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A2V7Y1 A1LEKKNTLEKSKLNRVSSMPSTQEVLRMLDVKVNNDLYVGLNNNEVQQLKLVKAG.VGN
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B1C640	ARIITTAET.PT	...KPSAPKRALV...	VAFAMFVGGCA...	FCAFAGLNEFRFRT	...GDDVQNDV	LDVESLGMV	PLIENN	...A
Q2K599	ARIITTAET.PT	...KPSAPKRALV...	VAFAMFVGGCA...	FCAFAGLNEFRFRT	...GDDVQNDV	LDVESLGMV	PLIENN	...A
ASPCD7	ARIITTAET.PT	...KPSAPKRALV...	VAFAMFVGGCA...	FCAFAGLNEFRFRT	...GDDVQNDV	LDVESLGMV	PLIENN	...A
ATIL87	ARVISAVT.PS	...LPAAPKLVLS...	LLGLVGGGAG...	YAVRELRDLFRS	...ASQIRD	LRLECCVMP	RTSAR	...Q
A6FV21	VRILNPAV.PG	...GASFPNTSRI...	TIVLSLVLG...	MLVGGAGLFR...	DLDFSVFR	...GEOIQRI	LGLEFGLG...	VTGS
A4YX2B	ARVISAVT.PK	...KKTTPKSIVL...	AIAGLLGGLT...	GLLGLLELDRFS	...THQVEDR	LRLECCVMP	RTSAR	...Q
Q1Q1Z5	ARVISAVT.PQ	...SXSXKPSI...	LVMLGLLGLL...	GALGFLAFRDM...	DLDFSVFR	...SAQVEM	LHMPCVSLV...	PLLK
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B0IGM7	ARVVTLAS.PS	...VRSXPKNTL...	TALAAISGLT...	LGLGAFARDRM...	SRIHT	...RAOLETI	LGTSCLAIP...	SPANPALT
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A5EAU5	ARLVTAET.PN	...TPSSPKAAL...	TALAAISGLT...	LGLGMAAVAR...	QNNRQIYT	...RAQVRESL	LRNCLAVP...	AFPS
A9N005	ARLVTAET.PT	...KFPSPKRTL...	LMALGGGGG...	VLLGLFGFAVD...	LADRSLRT	...RREAAEV	IGCCCGFPA...	VAVR
A5VF00	ARLSAGAV.PL	...LDPSSNIKLA...	FGIVGLGGV...	AVVALAVYLQ...	RVRT	...KADVERR	LRVYAGAV...	SLG
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ALF8E2	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
A3NPE1	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
Q2T7V2	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
A0G3J1	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
Q13YW2	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
B1FZC2	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
A0G111	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
Q13ZQ0	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
A0GQV7	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
Q144U1	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
A0F201	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
A0TBW3	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
Q0E1E2	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
B1F8E2	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
B1G7K7	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
A0GK02	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
Q144V5	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
B1F6E6	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
A0FNC1	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
A4J718	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
Q13G36	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
A0G1C0	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
Q13Q48	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLVFR
Q13M99	ARVSDAVP	...RPSYNTKRF...	VGIVGFLV...	ALPILGAL...	VEHFDNAIQS	...GSDIIEQA	LDLPHLVS...	PLV

ASWC15 VRIVLDFN.TY.....KIITPKKGLIQALSLLSGLLLGVIIIVFLKSLLRKVVKD...PERLEAK.TGVPVIATIPRS..KT.....
A3DF66 IKVIDTAKI.PE.....NKIKPKKMNICVAGLFLGLVGLGLFLLELDHDFKK...PEVEKMK.LGINVIGTIPADGGK.....
A5G8LO INVVIDAIT.PR.....EPKPLKQKNLLGLFLVGLMGLAGLAFQFEYLDLDTIKD...AEGARRE.LNAPILAVIPFPF.....
A1BQ6 VSVIGASV.PFK.....PEKPNL.KKNMLMGLVGLGGLLAVLFYTTAELVDDSVKD...DSFFRD..IGLATSIIPLVPGE.KNAV
Q3VQ54 VSIIGASFK.PFS.....PEKPNL.SRLLAGFLGLGLLVLVTFGAEMADTVKD...DLFFRD..LGLTVLSVTFVQKQTFP
A4SF30 VSIIGASFR.PFT.....PEKPNL.SRLLAGFLGLGLLVLVTFGAEMADTVKD...DLFFRD..LGLTVLSVTFVQKQTFP
Q3VJ33 VVIGVAAYF.ELA.....PVAPSL.KKNLLIGLILGLGLGALVVFVREMDDHSLKD...DSFLED..HGFTPLAAIPFVDSGGGSM
Q4AL13 VVIGVAAYF.PIE.....PVAPDL.KKNLLIGLILGLGLGALVVFVREMDDHSLKD...DAFLED..HGFTPLAAIPFVDSGGGSM
Q44LW6 VVIGVAPYF.PKL.....RESPTD.KKILLVGLVGLGLGALVVFVLEMDDHSLKD...EQFFED..HGFTPLAAIPFVDSGGGSM
A6L0K5 TRMITAPRG.SAL.....PTAPNK.KNILLVALALGLLVPVAVIIFMQENMNTKVRG...KKDLN..LSVPYIGEIPLYFRN.....
A7ACT5 TRMITAPRG.SAL.....PTAPNK.KNILLVALALGLLVPVAVIIFMQENMNTKVRG...KKDLN..LSVPYIGEIPLYFRN.....
A6KY94 TRMITAPRG.SAL.....PTAPNK.KNILLVALALGLLVPVAVIIFMQENMNTKVRG...KKDLN..LSVPYIGEIPLYFRN.....
A7V4S1 TRVITAPRG.SAL.....PMAPNK.KNILLVAFALGLLVPVAVIIFMQENMNTKVRG...KKDLN..LSVPYIGEIPLYFRN.....
B0NU19 TRVITAPRG.SAL.....PMAPNK.KNILLVAFALGLLVPVAVIIFMQENMNTKVRG...KKDLN..LSVPYIGEIPLYFRN.....
A7AJ60 TRVITAPRG.SML.....PTAPRK.MNILLVAFALGLLVPVAVIIFMQENMNTKVRG...KKDLN..LSVPYIGEIPLYFRN.....
A7ABU7 ARIIDPAAG.SNA.....PVAPKS.MMILLASIVLGCAPAGVWLVLLAVSDTKVRS...RKDVGVV.LSVPYIGEIPLYFRN.....
B0NF94 CRITIDPAG.VDL.....PVAPKS.VQVALIALLAGIMPALWYIRSLNLTSHVT...KRELKAG.VNPFILGEVPLEK.....
B0MT10 SRTIDSAYG.SPR.....PVSFPT.WLIAGIAPFLGGLPFIITLQIADTTVRG...RKDIEDN.LSAPFLLGDTPOVSG
Q7MM22 ACTVDSADG.SSE.....PISPRK.PVIFFAAFLGLVLPSTFYVVKMQPDKSVRG...RKDLRG..LLPFILGDTPTYSGE
A5ZNE7 IETIQQPSV.AMA.....PINPDLDEKRTVMKVFVAAGCLTALLAGISYRDTIKN...PGEVSTK.LDTRLLGTATYKESK.....
B0P408 LDVLOKPTV.PSG.....PVNKPQPTALMKKFTTIVALCGLTALISFLKDTVRK...PEVSRK.LDAKLLQTYLHEKIIY
A6BH65 MDVLEBPKI.PYT.....PDNPDLADGRQAKKGGVLAGALVLLILGFMFSYMKNTIKO...ENIEBKK.LDARSIGLATSISYWKY
A6NF94 LTVLVPFAV.AS.....PNAQFPRTTIKGAVALGPGVGVVLLVLAASKIIRT...REDMKKW.MNPFILGDTPTYS
B1C231 FHMINDPQL.PTD.....PVKKTITWTVLGGVILGWSGILGCMALPRKTVKK...PDMKRI.TNLCMAITPOVK
B0F409 LTLMDSEGV.PTT.....PANFYSRHEITQIGVLGILLCLLDVLLALGKNTVKK...EDDFKRL.FHAKSLGIMPHAK
A5V160 VNVVETAVP.VT.....TPVRPRIVNTAMAVAGLLAVLGLLLEYSLSRVS...AEDVTA.LTHVGLAAIGRIDG
A7NIZ1 VNVVESAAP.VY.....TPVRPQIATNTGMAAVAGLLLAIGVALLLEYSLSRVS...AEDVTA.LTHVGLAAIGRIDG
A9BE63 ISVVEAATV.NP.....TPVPRPRTSIALGILGFLAIGVALLLEYSLSRVS...PDEGVLD.VNAPLLAAIVKQETK
Q09B59 WRVLDPAFV.QF.....MPTKSVRSMVMAMALGVLGAGVGLLELEESSIS...QVBEQK.LGLFGLGFRVSGQV
Q1DD72 WRVLDPAFV.PL.....MPTKSVRSMVMAMALGVLGAGVGLLELEESSIS...QVBEQK.LGLFGLGFRVSGQV
A9EXV4 IHVLDPRNF.PL.....TALRPRVGVNIGIGLGLLGLGAALARAMDRLT...PDEVERE.LGLFGLGFRVSGQV
Q1XJ4 ATVWRERQL.PD.....EPVSPQPLRNAAVALGLMLGGAALVLEHDDWRRS...PEDAEQV.SGVPFVGVVRLQDTSGG
A3TH6 ASPIPNAD..GGG.....FVVPPSRVRAALSAVLGLLGLALALVLDLDRSLRT...REEVIA.LALPIVAEVPRLGT
A3THK0 ATPIPASAT.DGG.....FVVPPSRVRAALSAVLGLLGLALALVLDLDRSLRT...REEVIA.LALPIVAEVPRLGT
A3ZK21 WRVLDPAFV.NP.....MPTKSVRSMVMAMALGVLGAGVGLLELEESSIS...QVBEQK.LGLFGLGFRVSGQV
Q0IDT5 WRVLDPAFV.TL.....MPTKSVRSMVMAMALGVLGAGVGLLELEESSIS...QVBEQK.LGLFGLGFRVSGQV
Q3M50 IRIIETAVA.PE.....LPTSPKRTVVVIAAGFFGSILAVGLVLLLELMDLTD...ATEAEEL.LQLPLLGVLPFRP
Q8Y5M5 IRIIETAVA.PE.....LPTSPKRTVVVIAAGFFGSILAVGLVLLLELMDLTD...ATEAEEL.LQLPLLGVLPFRP
B0BZC6 LRIIEBANK.PT.....LPSYNPISFVLVGMMAAVALSAGVTLSEAGMDGLRD...LESIAEN.TNVPVLGVIPKOK
A3MB27 ARIVEBALL.PK.....TPVSPRIVNLALGGVFLGFLAIGVALLLEYSLSRVS...QBEAQQL.LDYPLLGTIPADQK
Q3R770 ARIVEBALL.PK.....TPVSPRIVNLALGGVFLGFLAIGVALLLEYSLSRVS...QBEAQQL.LDYPLLGTIPADQK
B0CX44 WRVIAAAL.PD.....EPVSPKRAFNLAVGFLGGLGGLTALAEADTVK...QVBEQK.LGLFGLGFRVSGQV
Q3MDC6 ARVISAAL.PD.....FPEGKRLIFIIIGGGVAGIFLGLIAAFSDDLDRSVKT...VKEAKEV.LRTYVGLVPTLGRN
Q8YXK7 ARVISAAL.PD.....FPEGKRLIFIIIGGGVAGIFLGLIAAFSDDLDRSVKT...VKEAKEV.LRTYVGLVPTLGRN
Q7NDX5 ATLIEPAEV.PE.....IPAWPKLLNLAAGLILGLLGLAALAAAYTREFFDLSVRS...VEEAERG.LGTSLLGSVPRWN
Q7NN6 VQILDPAFV.DS.....KPS.PSGLLVAVGGLVAMLSGSLALALWLRERNMGLV...RELDS...TGLPVLGRIPK
Q7NF7 VQILDPAFV.NS.....KPS.PSGLLVAVGGLVAMLSGSLALALWLRERNMGLV...RELDS...TGLPVLGRIPK
Q7NF11 IGLVDAFV.PE.....KEANPRTLLIALGGLVAVFGSGLTALREANPLLG...KDLQS...VELPVLARPR
A3V33 SRVLEAP.PG.....RQVAPQVRRVSLAVFAFVGLVGVIIIVVQFQVIRG...AGELES.LSGONVMGQPLSPVVD
Q1LZ6 VAVISAGL.PA.....KPSHPDPLVNVIGLGGVFLVGLLAFVVEITDSDVAT...TDAEEL.TGIAVGLVGVIPVYENEN
Q1NE5 QPLDRASP.PD.....SFPSPKVGTEMLFALGGLLGLLGLVGARHAFDDAVTS...AETLAER.VDPLLGAVPVVTG
Q2N710 IAIIDPADV.PR.....APVPRTPVNVIALGLLGAAGIAGVYVIFREFFVDDAART...PDDVVER.FGLPFLGSVPEKLEKTKG
A6CL4 IQILYAGQEQST.PD.....PVKSLLSLISAGISFTIGFLALIVFIREAFTKLN...QEKVERM.LNAPILGSPKLEPQS
A9B7S3 AMIIDPAFVSN.PY.....PVKPNKTLTAAIGVGLIFLGLVLPVLELMDKVKD...ENELKMIKVGYPVGLGRPHLHVON
B0IEB7 LRVPREAIEMYLPTYPAAAPYKPNVNTINLAVGAGAGLLGLGLLLEFMDTSVKT...MEDVERA.LQVPLVGIKPN
A3V8G8 SRVLEAAT.EARY.....IGPQKLLMVAIAAMVGLGGGLMVALRHSRRRFTD...AAALQDA.TGLPVLGAQLPLPSRR
A9A01 VVVVEAALPEA.....PSNQNLPRNLLAAAVLGCMMGGGSAFFLEYLDTIST...AEDAEK.TGVPVIATIPLDSSQ
A0LNJ2 IQVVEYASLPLS.PY.....PYKPDVRRNLLLAIVIGLIGGIGISFFLEYLDTIST...VDEITDR.FHPPVLGVLPLVNEDE
A0LEB3 VSVMTAET.PY.....KPVVKPLFLGLGAAVIGLGLGTAAGLVALEMTSALRS...TELEEN.CRFPVGLVPLADAG
A9KN92 IHIDDSIK.....NAEQIEKYLGLVGLTIGLPLEKMSKKGKMKK...KGDNNHSSIQATLEPTIN
B0VW4 IRIIDYAEER.PT.....VPKPRVSMNLLVGVIIIGLGLGTAFLVHSLDTKLT...LEDMENY.VRPIAGTIPVHAEASKLQEFN
B1C232 LXLFRHTK.....SSENATKLLDGRVVGVP...YKXKXKXKXK...K...S...KQSLISSPIAMSN
A5FYP9 ARIIAAATRPIQ.....PSGPRSAAILSGAVLGLCLGVLAAALLADSLNGSFRS...GGQVR.EALELPCMLLPEVGRRE
A9HF3 AELISRAEIPG.....PSGPRTRQYLAIALSMLCGTGAALLADSLRKRQIRS...TSQDSVP.GLFTLGMVFPVFNALVR
Q0LX01 VRVLDPAQ.AT.....HHKPNVNLNLFGLFGLALAGVYMLQEQTNLSALRS...PDAG.AYTLFELGAPRAKKAVALG
Q0LX7 IRVDAVADN.....IPSSTPMDRDTWLSLPGALCYGLWFEVIRKRLTQLEPSPGHRTLGVFELGVPFSAIDPK
Q0E284 RVVIEPAEVPFR.....PILPNRNFDAIKALLAALALGVAFLRENDRITKS...LAELSK.SGLAVFGTLPFSSASAG
Q7NEU3 WRVIEPAEIPK.....PIWPKPLLTGGGALLGLVFGGLGASLLESVDDRVS...ISQAKELLNPLLGAIPFTEED
A6ZL5 VEILDPAATAGRE.....PVRPRMALGLAAAGLILGLVGLGAVAVDLRDYITRELG...DELEAVAGWDLVPLGQIPRMLP
Q8R84 AMVSHASAP.....DVPSPFNKRLKIGIIVAVLAAGAGAVLDRDYTAGFT...EIERLR.AAIPPLAVVFPKVVGRS
A3V85 ARVIEATF.PAV.....PSAPKMLMAFGLLGLVAGLVALEMTSALRS...REVEA.TGSLVLAFLQAQD
A3V87 AELIYASL.PEY.....PSTSEKMLFAELFAIGGSGTWTQELVTPRT...LADVQL.LGHPVLEAVRTPQK
A4BN8 IQILDRSL.PN.....APFSPNFRSLLGIAGVLSLFLGGLAFLLENRRFTHT...SOAAGQRLQDRDGMVPRVLRQ
A7CV14 VQVPLARAVQ.PRED...EVEPRIVNLNLAAGVGLGIFGAGVAFVAFVDDRVKS...SFDIESV.VGLPVLGVPQKMM
ALZK22 FVILSNAN..LPK.....IPISPKHLLIYITGGVGLPLSALVVIYRLLHNKVTN...LRELER.VTKAPILGTIPRYKX
A3V6B4 AVMASAVMPSN.....PSPFNRLILALAIASVFGVGVGLAFINEFLIGVTS...EDQLRELLNAPVALVPAISTPE
A6E2U4 VQGGNSVTLQLAPVDELVIKQKFLMAGAGAGLGLILAFSFRMDDTKMS...VDEINQ.LHPLGELVPSA
A6E2U4 ATIERAETNET.....PVSFRKEIYRTAVVGLGGLGTAIITLRAWTIYD...ATFVMEATSPILGSLRKMVLS
Q7U18 EFLAVPRTG.....EKSWPKLPLCGLGLMLGLFSGLFLAVANDVDRGFRS...AAELDEA.IGLPSLGRVGLKNSIN
A6DS54 IIREPFAE.....NVVFPSPKFLTAGALLFLNASSFLVILFYGKSKRYN...FAKVDN.YQAPILSVKPFSS
Q6W35 SEIIEGALPDR.....PIKPN.PQLPISALILGFTISLIIYIFGKSKLDRSVRS...VEDVEML.SIPIYGLVPLNDRIN
B1CUG3 LEVFPASVPLVS.....QGRGRLSYLIGALLAISAAMTAAPVVEMDRVSRS...FDQLAG.IARTIPAGLIPRIARSE

805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900

A3FJ14ARNAPLKLNEPVPG.....	LPVVR.....	KPIHALQHPR.....	SHYA
Q3J3B5ARNAPLKLNEPVPG.....	LPVVR.....	KPIHALQHPR.....	SHYA
A4WY8ARSAPLKLSEPVPG.....	LPVVR.....	KPIHALQHPR.....	SHYA
Q1KL5APPKPAAGLAAR.....	ARR.....	QTRFAIKKPS.....	SMFA
Q9C56AQDVKARSPAAL.....	ERRA.....	RMRVSDAP.....	SMF
A9CZ5SAAFTGGENATLDE.....	SGQVFOK.....	MLRLVDFSR.....	SFA
A7UAJ9DDPTLVDPNSPRSI.....	ARGGK.....	TTYVEEHP.....	SFA
Q1MD28DDPTLVDPNSPRSI.....	ARGGK.....	TTYVEEHP.....	SFA
B0J5W6DDPTLVDPNSPRSI.....	ARGGK.....	TTYVEEHP.....	SFA
B1CE40DDPTLVDPNSPRSI.....	ARGGK.....	TTYVEEHP.....	SFA
Q2K59DDPTLVDPNSPRSI.....	ARGGK.....	TTYVEEHP.....	SFA
A9C8D7OPTTEAQBNGHPL.....	TRPTS.....	VARYAVDHP.....	SFA
A7IL87LAMVPPSLSTGGPNQ.....	VGGSA.....	MMRYGTHNL.....	SFA
A6FV21KISSTARSKASSQS.....	VHEVAFPE.....	LLRYGLDKPL.....	SSFA
A4YX2	R.GTASDHAGNTEAECSERLV.....	SRSSG.....	ACWAASAMPS.....	SFA
Q1QZ5EHA...DKASDQGTI.....	VRRSG.....	VYWAASDMPL.....	SFA
A4Z34ARPDVPRGRMI.....	ARGDDP.....	VWMAADSPF.....	SFA
A4YQ8	L.IGOAARPKLEATSPQPL.....	APSDS.....	RKFTADEPL.....	SFA
B0IGM7	RAVKQLLRKRDHVSQPRERS.....	QANSAA.....	FEKINDVAF.....	SATA
Q6N4I2	RAVKQLLRKRDHVSQPRERS.....	QANSAA.....	FEKINDVAF.....	SATA
A5EAU5RSK.....RG.....	TRQSGA.....	FRQISEVAPY.....	SATA
A9HN05AGDPPAGGQ...SA.....	SPKGG.....	AWDHVLRMPF.....	SIGA
A5V00TLGKRE.....	ETP.....	QDYLSHFF.....	SFA
B0T452TLEMSKSR.....	RSSP.....	HWYLVNPF.....	SFA
Q9ABR2TVDDSKTLK.....	G.MTP.....	PDYLLVPL.....	SSFA
A3VRB2ARLKKAGS.....QA.....	ETYVLDKPL.....	SFA
Q0C2Y1AGLLGLGQT.....	SP.....	ADFLVENPL.....	SAYA
A7HUD8EKGADGKI.....	MPP.....	HDYLLAKPL.....	SAFS
Q2WCIK.....	KPV.....	AKYLDRT.....	SFA
A9EY54QKIRP.....	EQASALGPO.....	RDG
A9GHX4QKIRP.....	EQASALGPO.....	TRDG
A0XZV9KN.....	STFGIHAYFD.....	EHYRRFA
ALXP86KK.....	SYFPIHAYLE.....	DTYRRFA
Q3IH97RK.....	NFPPIYAYLE.....	DEYRRFA
A4CX8KG.....	TNLNHYFFD.....	KDARQF
A6FBI7RN.....	QDLGHHFFP.....	DKHFA
A6FJ6RN.....	QDLDLHYFFD.....	EKGRKFS
A3EA51RG.....	KLDAK.AYFD.....	EKLRELT
A5F2Z1RG.....	KLDAK.AYFD.....	EKLRELT
A3GX6RG.....	KLDAK.AYFD.....	EKLRELT
A3GYZRG.....	KLDAK.AYFD.....	EKLRELT
AZP7M0RG.....	KLDAK.AYFD.....	EKLRELT
A1ENG4RG.....	KLDAK.AYFD.....	EKLRELT
Q9KTG5RG.....	KLDAK.AYFD.....	EKLRELT
ALF6H1RG.....	KLDAK.AYFD.....	EKLRELT
A3EK81RG.....	KLDAK.AYFD.....	EKLRELT
A6A13RG.....	KLDAK.AYFD.....	EKLRELT
A2P6M8RG.....	KLDAK.AYFD.....	EKLRELT
A6XTM4RG.....	KLDAK.AYFD.....	EKLRELT
A6AC26RG.....	KLDAK.AYFD.....	EKLRELT
A2PUD0RG.....	KLDAK.AYFD.....	EKLRELT
Q0848TS.....	YEEINFAPYD.....	ASLPLHA
A4A7F8KK.....	TDLFVRSFFD.....	GKHQFA
Q15WY9KS.....	KHLSVRHFFD.....	GKHSFS
Q2SD96KS.....	KAAFE.GFLS.....	SMHSFA
A6A7H1RQ.....	KGVTYSAYLD.....	QDEKLS
A7N675CQ.....	KGVTYSAYLD.....	QDEKLS
A8SZP8CQ.....	KGYSAYYFD.....	KDEKTFG
A6AK37RK.....	NGVSYTAYLD.....	KDEKLS
Q847V3RK.....	NGVSYTAYLD.....	KDEKLS
A7KH3RK.....	NGVSYTAYLD.....	DEKLS
Q1VFC7RK.....	NGVSYTAYLD.....	DEKLS
Q7MFC8RK.....	PGVSQAYLD.....	PQNRVFS
Q8D3V4RK.....	PGVSQAYLD.....	PQNRVFS
A3W5BTS.....	DPVELVA.....	DPKTEIA
Q1G86TS.....	ATVEER.....	DPKSF
A5VTSSVTDGIE.....	SVTDGIE.....	DPKSYFS
Q2N6C2EPKEALL.....	EPKEALL.....	DPKSDLV
A3VU42SIVASLS.....	SIVASLS.....	DPRSIC
Q3JBL3SG.....	EGGLALISIE.....	DKRSFA
Q5N154DA.....	ARELVBLD.....	DRGFS
A3ME2IDSSS.....	IDSSS.....	NFTLM
Q2G3B4TAEQIQ.....	TAEQIQ.....	DPFSSLM
A5P762PAEDLE.....	PAEDLE.....	DPKSPVS
Q1LLD9NGRPGRT.....	AV.....	KQEAMGIDVT.....	RPNSQFS
Q1ITG0LATENQS.....	VL.....	ARVPLAAD.....	RPQSLA
A0JZK7TILDAG.....	AAAQLDAGG.....	AMA
A1RC29SVLENT.....	SGIERVPGH.....	AMA
A3FV38PAIAFDRENS.....	PAIAFDRENS.....	PIA
A4TF38AAVAFDRDNS.....	AAVAFDRDNS.....	GIA
ALUBH0AAGFESDNS.....	AAGFESDNS.....	GIA
A5CNM1PLIVQDDPRS.....	PLIVQDDPRS.....	PRA
B0RG57PLIVQDDPRS.....	PLIVQDDPRS.....	PRA
E1E2K7PLLTQVLAHS.....	PLLTQVLAHS.....	PRA
A5CF66LAMAVRPLS.....	LAMAVRPLS.....	TAA
B0RH06LAMALRPLS.....	LAMALRPLS.....	TAA
A7A7K6RPVLSVQPAG.....	RPVLSVQPAG.....	AIA
Q8G4Z0RPVVVAQPAG.....	RPVVVAQPAG.....	SEA
AL356KPLISSFAG.....	KPLISSFAG.....	RIS
A0AY5GGRARPILASLR.....	GGRARPILASLR.....	PKLSV
B1K4D5KLDAAAEK.....	KLDAAAEK.....	PKLSV
Q1BLT5KLDAAAEK.....	KLDAAAEK.....	PKLSV
Q0GYW2KLDAAAEK.....	KLDAAAEK.....	PKLSV
Q39I3KLDAAAEK.....	KLDAAAEK.....	PKLSV
B1FHL7KLDAAAEK.....	KLDAAAEK.....	PKLSV
Q0B4Z6KLDAAAEK.....	KLDAAAEK.....	PKLSV
A0T7W8KLDAAAEK.....	KLDAAAEK.....	PKLSV
A4JLN2KLDAAAEK.....	KLDAAAEK.....	PKLSV
A2WDK0KLDAAAEK.....	KLDAAAEK.....	PKLSV
A9ANS7KLDAAAEK.....	KLDAAAEK.....	PKLSV
A6ENM7RFDAADK.....	RFDAADK.....	PKLSV
B1H7J5RFDAADK.....	RFDAADK.....	PKLSV
A3F852RFDAADK.....	RFDAADK.....	PKLSV
Q3JK31RFDAADK.....	RFDAADK.....	PKLSV
Q6J388RFDAADK.....	RFDAADK.....	PKLSV
A8KCU8RFDAADK.....	RFDAADK.....	PKLSV
A4LEZ2RFDAADK.....	RFDAADK.....	PKLSV
A3NPF1RFDAADK.....	RFDAADK.....	PKLSV
Q2T7V2RFDAADK.....	RFDAADK.....	PKLSV
A0GJ31VLEAGFQR.....	VLEAGFQR.....	PKDVT
Q13YW2VLESSFLR.....	VLESSFLR.....	PKDVT
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A3V95 EYRMLRRTSIKRRAG...NK...VAVVITSSNPGE...KSTTAMALAQMAALAGKVVVDCDLRRPT...LATFVWQ...V
A4HN8 EALGSIARLQVSDPS...GTG...PQVILVTSIAGE...KSTLAVSLALSVAAAGARVLLVDCDLRRPS...FDMIFGLG...G
A7CVI4 EAFLLHSSLLLRND...SK...NAQFLVTSNPGE...KSTFTTANLALTFAAHGDKVVLLVDCDLRRPT...LHXAAMKE...N
ALZK2 EALRSIRTNLALFILPEQGNLIDK...DAKIISITSIAGE...KSTFVATNLGGIAMSDDKVVLLIDCDLRKPP...LHIAFDVE...N
A3V6B4 ESLRQVRRAARLTR...PG...EGGRYLTSNPGE...KSTTAAIAFARTLALSGLTKVLLVDCDLRRPT...LHXAAMKE...N
A6E2U4 EFRSLRNLNIEFNKKG...LEEISLTFVSGSAGE...KSTTLCNLAYICAGGGYATLMDADLRKSK...LHRYELDN...
A6E2U4 EFRSLRNLNIEFNKKG...LEEISLTFVSGSAGE...KSTTLCNLAYICAGGGYATLMDADLRKSK...LHRYELDN...
Q7UF18 EAFRIGRTVLLDVR...NG...NVRAGITSPMGE...KSTTVSNVFAVSOVLKVVLLVDCDLRRPT...LHXAAMKE...N
A6D5E4 EYRSLRNLNIEFNKKG...LEEISLTFVSGSAGE...KSTTLCNLAYICAGGGYATLMDADLRKSK...LHRYELDN...
Q6W3N5 DSLRVGANLQFMTR...EGD...GKSLFVTSNPGE...KSTTITAGLGRVIAETDKRVLLVDCDLRRPT...LHXAAMKE...N
B1CUG3 EAIRTVLSLKQSNNG...K...LPNSIVTSHSAGE...KSTLVARSLAMELAAAIPVLLVDCDLRRPT...LHXAAMKE...N

A3F14 GVGLVEAALG .RADWTKA.LRVIGDSGVH .LLPCITPGMMTH.SSEMLGSGKMRQLLAAARAR . . . YSHVILDLAFLGPVVADRVVPMV.DQVVMVA
Q3J3B5 GVGLVEAALG .RADWTKA.LRVIGDSGVH .LLPCITPGMMTH.SSEMLGSGKMRQLLAAARAR . . . YSHVILDLAFLGPVVADRVVPMV.DQVVMVA
A4WY78 TGGLVEAALG .RADWTKA.LRVIGDSGVH .LLPCVTPGMMTH.SSEMLGSGKMRQLLAAARAR . . . YSHVILDLAFLGPVVADRVVPMV.DQVVMVA
Q1K1K5 EQGLEAVEVMN .GQSWRSV.AKMDPRTVRLV.IVPMAPVQGFQSH.TSELLSAGMHGFFLEEARDS . . . FDIYIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
Q9R056 EQGLEAVEVMN .GQSWRSV.AKMDPRTVRLV.IVPMAPVQGFQSH.TSELLSAGMHGFFLEEARDS . . . FDIYIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
SKV9VVLVQ .EVSQVQV.LLDEPKTKIA .FLPTVARYRVPH.SSELLASRGMDQLLEIARQS . . . FDIYIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A7UJZ9 EAGLEAVEVMN .SRPLKDL.ILLDPKTKIA .FLPTVARYRVPH.SSELLASRGMDQLLEIARQS . . . FDIYIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
Q1MD28 EAGLEAVEVMN .SRPLKDL.ILLDPKTKIA .FLPTVARYRVPH.SSELLASRGMDQLLEIARQS . . . FDIYIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
B0J5W6 EAGLEAVEVMN .SRPLKDL.ILLDPKTKIA .FLPTVARYRVPH.SSELLASRGMDQLLEIARQS . . . FDIYIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
B1C40 EAGLEAVEVMN .SRPLKDL.ILLDPKTKIA .FLPTVARYRVPH.SSELLASRGMDQLLEIARQS . . . FDIYIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
Q2K59 EAGLEAVEVMN .SRPLKDL.ILLDPKTKIA .FLPTVARYRVPH.SSELLASRGMDQLLEIARQS . . . FDIYIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
ASC9D7 AGLLEAVEVMN .SRPLKDL.ILLDPKTKIA .FLPTVARYRVPH.SSELLASRGMDQLLEIARQS . . . FDIYIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A7IL8 QKGLFHILSE .GEPVSSV.MKVEPPTGLF .FIPAGSDIGSAB.TSNLVSSPAMQLLAEIATQV . . . ADYIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A6FV21 GEGLVLDIQD .GMDWQQA.VHSDRETGLD .VIPNKR.GRVVH.TDVLGGDAMHALVEKLRQ . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A4YX22 GTGIADIVLQ .ARQLED.TIWDVTRH .FLP.GKGAARH.TCDILAHDEMRRKLPDLRAT . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
Q1Q1Z5 SVGLVEVLSG .ECPDLBA.ICKDPKTNLS .FLPTVARKQPLFH.ACEMLISADMTKHLFDHLRAT . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A4Z34 REGLDVLSG .QALQET.VWRDPTGLV .FLGVLKSRHAB.SDVIASQKMLDLSVDRD . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A4YQ98 KGLGLOVLAG .SRDDA.VGPEPTGLA .FLPFPIDRVPVH.FEILVAFRDLIATKLRDR . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
B0IGM7 KRGLLELVAD .QQLSDDL.VTDPVYKFD .FLPSATEMKPIN.SADVITSPSVKRMKLSAAGN . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
Q6N412 KRGLLELVAD .QQLSDDL.VTDPVYKFD .FLPSATEMKPIN.SADVITSPSVKRMKLSAAGN . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A5EAU5 GPGLDLDVAG .KSTLREL.IISDMTNKFD .FIPASTRIKPSN.SSDILTSQFQKLLTARN . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A9N05 QGLABEIDA .GIDLAAV.VRREPDLPH .VLPTAQAMRRD.AYELIGSPGMRALLAAARAR . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A5FV00 .VGLLEVLISG .TARLDDA.LVDEATGLH .VLTGTE .AGPS.AYDPTIPANLQKLRQER . . . FEYVVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
B0T452 BQGLDRTDVA .VFLPRAA.LVNDKTDW .VLRRA .IRDLTIPNMDQVLOLRAA . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
Q9ABR2 .VGLLEVLISG .VATLQQA.IINDE.SGAH .ILPLAK .SSYT.PRDVLGSSAMHRLGELGRQ . . . YEIVLDFPLAPVVDARAKAFAPQ.DGLVIVV
A3VRB2 TIGLAEIIGG .EALLDEA.LVDDDRDMDT .VLAVPRE .DRSG.QDGLFSGRGAFAFLQVRQS . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
Q0C2Y1 TIGLVEHLFG .AQLSDA.IAKDHTMLD .VLPLSL .NGHT.PDDVPTGRAFDLLESLRRA . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A7HJ28 EQGLVEHLAE .RLEVSVA.VVDPKSDMLD .IIPILAA .GTAN.PDDVPTGRAFDLLESLRRA . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
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A9Y54 KPGVAVLGG .KCDLARA.VLRDQSOADD .LIPAGS .VSGS.AADLSQOGLTALLSVARSH . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A9GHX4 KPGVAVLGG .KCDLARA.VLRDQSOADD .LIPAGS .VSGS.AADLSQOGLTALLSVARSH . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A0XZV9 HPGLSNLIVG .TQLESEC.THIDE.QSG . . . VTIIMPSSQIPGN.PEELISSNRFNELLVSKET . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
A1XP86 HPGLSNLIVG .TQLESEC.THIDE.QSG . . . VTIIMPSSQIPGN.PEELISSNRFNELLVSKET . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
Q3I197 HPGLSNLIVG .TQLESEC.THIDE.QSG . . . VTIIMPSSQIPGN.PEELISSNRFNELLVSKET . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
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A3GZ11 HPGLSNLIVG .TQLESEC.THIDE.QSG . . . VTIIMPSSQIPGN.PEELISSNRFNELLVSKET . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
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B1FZC2 HPGLSNLIVG .TQLESEC.THIDE.QSG . . . VTIIMPSSQIPGN.PEELISSNRFNELLVSKET . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
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Q0B1E2 HPGLSNLIVG .TQLESEC.THIDE.QSG . . . VTIIMPSSQIPGN.PEELISSNRFNELLVSKET . . . YDVIIVDLDFPLAPVVDARAKAFAPQ.DGLVIVV
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Q8VH78 K1GSDTAA..R1GTRV.IHQTR..VRR..LDFISCGFAAPN.PSELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
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Q5XL53 NGLSEILTG..RVDYKA.VV.HT.DIAG..LDYIGGTEIPPN.PAELLMGRSRIEKFLEWASGK...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
A2V774 DKGLSEFISG..QAAAEV.ID.KV.EGGE..FDYIRGQVPPN.PAELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
A2V7U9 DKGLSEFISG..QAAAEV.ID.KV.EGGE..FDYIRGQVPPN.PAELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
Q9X4B9 DKGLSEFISG..QAAAEV.ID.KV.EGGE..FDYIRGQVPPN.PAELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
A7M6X7 VGLSDYLAG..K1LAREC.IK.TS.PVEN..LAIITRGQVPPN.PSELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
A8GC49 VNGLSDYLAG..QGDISRC.AK.PT.SVPG..FDLIPRGQVPPN.PSELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
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Q48452 TNGLSDYLAG..K1LAREC.IK.TS.PVEN..LAIITRGQVPPN.PSELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
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Q9CM26 KGLSEAIAG..R1PFEDI.VH.QY..AE..FAIITKGTTPPN.PAELLYTARFQALLKWAASKE...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
Q1QWU3 DNGLSELIAG..NHTPEEM.VRPE.SIEG..LBYLRGQVPPN.PAELLSNARFQALLKWAASKE...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
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E1GQV43 KGLSDYLAG..K1LAREC.IK.TS.PVEN..LAIITRGQVPPN.PSELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
Q0AR90 EKGLSELIAG..QTDTRQV.TKATN..VEG..LNVITRGQVPPN.PSELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
Q82SNI ENGLSELIAG..S1DLNDA.IK.SI.PLAA..IDFIPGTGQVPPN.PSELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
B1DVF4 GGVSDYVIMG..AASIEQI.VK.PT.GIDN..FSLVITGQVPPN.PSELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
A6GM15 HPLGSDYVAG..TVAFDPA.LV.KT.ELEG..LHVLVSGVPPN.PAELLLHNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
B0V1E5 HPLGSDYVAG..TVAFDPA.LV.KT.ELEG..LHVLVSGVPPN.PAELLLHNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
Q2IHR7 APGLTDVLAG..EHTLASA.LR.PT.EHEN..IHLTGTGTPPN.PAELLSNARFQALLKWAASKE...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
A7H1R0 ARGLSDVIGG..HVSLEDA.IR.PT.SSN..VRLPVTGTPPN.PAELLSNARFQALLKWAASKE...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
A7H9R3 TPGLSDAVSG..TVPLEQA.LR.PT.GIER..LDVLTGTRIPPN.PAELLSNARFQALLKWAASKE...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
A7HDN7 TPGLSEVITG..NVLBEA.AK.AT.LTPG..LDLPLRGDLSST.PAELLSNARFQALLKWAASKE...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
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B0V615 HPLGSDYVAG..TVAFDPA.LV.KT.ELEG..LHVLVSGVPPN.PAELLLHNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
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Q52788 QPLTELLNG..QASLET.VIRHT.EVPG..LNVITRGKSPAN.PSELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA
Q6FPV8 KPGLSEYITD..QASLET.VIRHT.EVPG..LNVITRGKSPAN.PSELLMHSNFNKLVEEVSAA...YDVLVDTTFFFLVAVADVFALPYSNGNIFVA

ASWC15 NSGLGDYITE .SSANLSE.FIHP.T.SFEF..IDFMPRGKPHN.PASLLSREKFGNMMQAQLVDI..YDYI...VLAASDAITTAQYA.DKVLVMT
A3DF66 KEGLNLLTDS.KEEVKIK.TTERS.DISN..LYIITSGPIPPN.PAEMLNSNRKMSLLEKRE..YDYI...VQVVDAAIILAGIT.DGVILVL
A5G6LO APGLTEVLAG..DASPAS.ALYNT.GIAR..LDFVVSAGTSPN.PAELIGSNRMANLLKLRDT..YDHI...VLAVDAPLLTTRC.DMAIIVM
A1BQ06 ..GLTDYLFGE.DRSIDES.YFQAT.HVDN..LFLSSGKVPN.PAELIGSAKMQDLIRELETK..FDKI...LFLSDAAQLAHSI.DGILLVS
Q3V054 ..GLTDYLFSG.QANIDES.FFQPT.HIEN..LFLVLSAGKVPN.PAELIGSQRDLRELEKKN..FDKI...LFLSDAAQLAHSI.DGILLVA
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A7ACT5 ..GLSDYLAGN.EVVMWNE.LVLDK.KYPN..LHIIPTGTTIPPN.PTELEDEGSLATLMQDLRDE..YDYI...DIVADTOIIEQYA.DRTLFEV
A6KY94 ..GLSDYLAGN.EVVMWNE.LVLDK.KYPN..LHIIPTGTTIPPN.PTELEDEGSLATLMQDLRDE..YDYI...DIVADTOIIEQYA.DRTLFEV
A7VA51 ..GLSDYLAGN.VANWNEA.LVLDK.KHAN..LHVLPTGTTIPPN.PTELEDEKFFATLMQILRNE..YDYI...DIVADTOIIEQYA.DRTLFEV
B0NU19 ..GLSDYLAGN.VANWNEA.LVLDK.KHAN..LHVLPTGTTIPPN.PTELEDEKFFATLMQILRNE..YDYI...DIVADTOIIEQYA.DRTLFEV
A7AJ60 ..GLSDYLAGN.VSDWKEI.IVKDE.KYDN..LHIIPTGTTIPPN.PTELEDEGKSLATLLEKLE..YDYI...DIVADTOIIEKLA.DRTLFEV
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A5ZNE7 ..ETDGLDVLIN.HASTEKI.IRNNW..NSG..LYMILNKTSNA.IETLLSMTLQIIFCREK..MDYV...LALVADTELAQMT.DASVLV
B0P408 ..TQOPGVLNG.NEQIDNL.VTDLP..KSE..LLLIAGSMIYPPN.STEMIASPIFKVIEFFKTK..LDYI...MAGAADAELEVLA.DASILVV
A6BH65 ..ENELGEVLRG.NGLSADV.MVCPT..RKH..MLFPMGKKNYSS.STEMINSRIFKMLTACRKP..YDYI...AGIIGDAQIFAHCA.DAVMIVA
A6NF94 ..KGVPELLRGC.BESPKAA.LMLEE..GTR..VRVLAQKAVEN.PAELLSRKRLLSGLIKALRE..YDYI...LWVADAELEVLA.DGILVV
B1C231 ..GLVDLYLQKS.D.VELKN.IKRLD..NSK..FWMGNKPIYPPN.PSVLSHPDFPKFKFKMKE..FDYI...CFCQFQDVIIEQYI.DGILVV
B0P409 ..LGTLEVMKGE.VN.IDDA.VOQYK..NTS..VKVLAGSTPIQD.TSTVLSGKNMRQFVKELE..ADFV...SGLSDAAIIVAQYV.DGAVFV
A5V160 LRGVTTALVRD.PSDSLYN.HMIAT.GLEN..LLVLPSPGVPN.PAVMYSRKRMLDLDLKRRI..ADV...VPLAVADAPLHIC.DATLVI
A7N1Z1 LRGVTTALVRD.PSDSLYN.HMIAA.GEEN..LLVLPSPGVPN.PAVMYSRKRMLDLDLKRRI..ADV...VPLAVADAPLHIC.DATLVI
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A3TMH6 GAGISDYLRRH.NESSLEA.LIRPT.SIDG..VRIMTAGTSLR.PASLAS..LMGHLLEEARDM..ADV...VPLAVADAPLHIC.DATLVI
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A3Z121 LSGLSNLLADP.GHRWDV.VQVTP.GVQP..WSLITAGRPPN.PAELLSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
Q0IDT5 LQGLDYSVGE.GMLD..A.AVST.EVEN..LWLPSPGVPN.PAELLSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
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Q7NF11 ..GQSEPVVALAPS.....LD..LVPALEIADTST.A.FVQGFYFERYLDDVQDTG.YDYI...EDLVAETKLIATAA.GMVLV
A3VCH3 KPGIVSLDLDG..DVSLOEA.VLTP.LDTG..IDVLMSEKSVQN.AADIFASEPFFSNFMKTRHE..YDHI...VPLAVADAPLHIC.DATLVI
Q1LZ76 DRGLSNLLTS..VAEPDF.IQKDS.SAPN..LDLPCAGPVPN.PAELLSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
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A9B4S3 NEGLVNVLLR..GASIQS.VKKPFETLDN..FVLPVGTIPPN.PTELEDEKFFATLMQILRNE..YDYI...DIVADTOIIEQYA.DRTLFEV
B0IEB7 EYGLTSYLLLE..DYPLEEV.IFQPT..IEN..LYVLPAGPVPN.PAELLSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
A3V8G8 TQGLAAVILG..HGLGAA.TEPPS..IPG..VLDLLAGAQAHA.GGETIFAPALADVAQARA..YDYI...VPLAVADAPLHIC.DATLVI
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B0VW4 ENGTSDFLIDP.EYSVQV.IKPSG..IAN..LDVITSGFIPPN.PAELLSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
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A5FY9 LPGLDHLAG..RATLEA.IHRPGLSEEGSLPDMVPAVATE.AYAMYSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
A9NF3 QADNSLVPSVATGRRLARD.VMPG.....VDLTMRFPPGR.NALMYSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
Q01X01 SMGLSLLKRE..KNAIEDLPLVVKTAVPLRSLPSGTQDN.IFGLLSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
Q01X7 CPGLSLLTNS..TESLEADLAPYLSPTKVDLNRVMTHGLAQVTPAELLSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
Q0E284 HGLSLLIHLH..SQDWHELAMPTT..VEN..LSVITSGSIPPN.PAELLSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
Q7NEU3 GFLGSTVLAG..EMHWSNCVQIDEN.....VHVLTSGLPDP.PVALLDSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
A6FZL5 DHGLATVLTG..GSLDDALVPGALDGAPELSLPCGPIPAT.PAELLSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
Q8RR84 SLGMSDLVTS.....GVRVADVIRTDP.EAG..FDYI...VPLAVADAPLHIC.DATLVI
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A3VRJ8 SIEBEVINDS..ADLESDALSRTG..LHLPVSKRNYG.QDILDRDAFSLRLLSRTN..YDHI...VPLAVADAPLHIC.DATLVI
A4BNE8 .LAGLFEVLG..KAPLGGCIRYDN..ISPN..LFLVLSAGKVPN.PAELLSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
A7CV14 LKGVLDVOCAG..SATIDVVMRVPAN.....LDVIAATGGRAK.PEFLIATADLAGAFTLRRH..FNKI...VPLAVADAPLHIC.DATLVI
ALZK22 EKGVSNIILK.....QNVIEDCIQKTP..IDT..LDPISAGTIPPN.PAELLSRKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
A3VB64 STALLDLSG.....RATDPLAGCHFEAETGLDILVGGRSPLDPTLVSSRTRVQFLYKLRKE..YDHI...VPLAVADAPLHIC.DATLVI
A6E2U4 STGLDVLNG.....EIDAQTAIRETRVTH..LSTLTAGMFPN.PSEMISKRMLLWLLQOE..YDNL...VPLAVADAPLHIC.DATLVI
A6E8M4 DNGLSNYLVG..QLQSADIVHSHGKN..LDYI...VPLAVADAPLHIC.DATLVI
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B1CUG3 MCGLENFELNG..QADFFRDIYVHPSG.....IDFIPSGKFLQ...RRVYRPNGLAEIEMAVAG..QVI...VPLAVADAPLHIC.DATLVI

A3FJ14	EWGKTPKALLRETLNNEPALMEK.TLGVVLNKVDMESL.....	.RDYVPQTGG	.EHYYEYGDYFSG	..	RSGTS
Q3J3B5	EWGKTPKALLRETLNNEPALMEK.TLGVVLNKVDMESL.....	.RDYVPQTGG	.EHYYEYGDYFSG	..	RSGTS
A4WY78	EWGKTPKALLRETLNNEPALMEK.TLGVVLNKVDMESL.....	.RDYVPQTGG	.EHYYEYGDYFSG	..	RSGTS
Q1LKLE	EWGRTPRALVRSVLSEPVVTER.VLGVVLNKVMMKAL.....	.SRYGFGSSS	.EKYLGYESVSYTT	..	EAQKQAA
Q9C56E	EWGRTPRALVRSVLSEPVVTER.VLGVVLNKVMMKAL.....	.SRYGFGSSS	.EKYLGYESVSYTT	..	EAQKQAA
A9CZ79	EWGKTPIQWVQSTLLSEPELYAK.CVGTILTKVDPSSQM.....	.KLVRTFGSS	.EYXXKRYRSRYTES	..	YKDA
A7UJ29	EWGKTSRKVVQSTLLSEPELYAK.CVGTILTKVDPSSQM.....	.KLVRTFGSS	.EYXXKRYRSRYTES	..	YKDA
Q1MD28	EWGKTSRKVVQSTLLSEPELYAK.CVGTILTKVDPSSQM.....	.KLVRTFGSS	.EYXXKRYRSRYTES	..	YKDA
B0J5W6	EWGKTSRKVVQSTLLSEPELYAK.CVGTILTKVDPSSQM.....	.KLVRTFGSS	.EYXXKRYRSRYTES	..	YKDA
B1C640	EWGKTSRKVVQSTLLSEPELYAK.CVGTILTKVDPSSQM.....	.KLVRTFGSS	.EYXXKRYRSRYTES	..	YKDA
Q2K589	EWGKTSRKVVQSTLLSEPELYAK.CVGTILTKVDPSSQM.....	.KLVRTFGSS	.EYXXKRYRSRYTES	..	YKDA
A9C8D7	EWGKTRRAVNTVNRVHTRKE.CLGVVLNKVDMESL.....	.RYRAYGSSS	.EYHSRYKRYTES	..	YKDA
A7IL87	EWGATSRDLVDSFEANPQYVEK.CIGVILNKVDTHRL.....	.HFYTSKVPQ	.DGLHKKYAAAYG	..	YKDA
A6FV21	KWGRTNIVDVERLFLADPREREK.CFGAVLNFFDARRA.....	.RAYGYYSGD	.YYGYAYKRYSDR	..	YKDA
A4YXB2	EWGRTPADVVEHALNTPNVDYS.LLGVVLNKTDMMVL.....	.GRYAKHFG	.DYNNNEYTRYGSMVAE	..	YKDA
Q1Q1Z5	EWGRTRKTDVQVQHALHTAPSVHAA.LLGAVLNKTNMQAT.....	.RYRDNYHN	.DYSNKHFARYGYTA	..	YKDA
A4Z3M4	EWGKTRVQIVREKTRARAVSEN.LLGVVLNKADTAAH.....	.SRGYGGGK	.GYYSNTRTYGYTE	..	YKDA
A4YQ98	EWGKTRMSEVRSVHLSDDAGLGR.LLGVVLNKANKDVL.....	.RRLEBERLQHE	.GYSNLGYPRSI	..	YKDA
B0IGM7	EWGATMSDEVRSAVGVSRSSLSER.LLGAVLNKTDDEDDM.....	.RRLEGGYSRS	.HHYYYGAPKPHENEOTKN	..	YKDA
Q6N4I2	EWGATMSDEVRSAVGVSRSSLSER.LLGAVLNKTDDEDDM.....	.RRLEGGYSRS	.HHYYYGAPKPHENEOTKN	..	YKDA
A5EAU5	EWGSTPSDDIVKAAAASVVVAER.LLGAVLNKANEAIM.....	.RRLEGGYSDR	.HNYNYTNEKPPASETV	..	YKDA
A9NM05	EWGSTSRREVLDAIRSAVPVWDR.LLGTILNKARLRQL.....	.KRYGEATSTY	.YHERYLTP	..	YKDA
A5VF00	RWKKTSINAETAETELLVDANAM.IAGLALTOVDLRRY.....	.ASTGSEVYG	.YKFKFGYFQN	..	YKDA
B0T452	QWKKTFPAAADAAAMLLESGAR.LIGVTLTKVDPSSQM.....	.SRFGGDRYR	.YKAYRSYYS	..	YKDA
Q9ABR2	RNKKTPVKAQVSALALQGGTRAF.IAGVALTQMDLKAQ.....	.SRYGQDSSY	.YYANRYKYAD	..	YKDA
A3VRB2	RWKQTPVVVAKNARKILGEDTV.LMGVTLTKVDPSSQM.....	.SGYQGGSSY	.YYQNGRYAD	..	YKDA
Q0CZ11	RWRQTRSAARQSTLLRNFKAD.VLGVVLNKVDMESL.....	.RRHRDPGA	.YKAYRYKYQMEAKP	..	GIFGWTKPKKPKPKQGGPKS
A7HJD8	RWATTPRDAQAQTVKELRRYEAN.IAGVVLTKVDPSSQM.....	.ARYQYDGGG	.YGRYSKYVNV	..	YKDA
Q2W1C7	LDWQTPRALVRSVLSEPVVTER.VLGVVLNKVMMKAL.....	.RYAYGDEGY	.YQGGGKYAD	..	YKDA
A9EY54	QWNTROAVFFDALRELEQOGRS.PDGIWLTQVKKAAK.....	.PLYGATKRS	.RDRYHG	..	YKDA
A9GHX4	QWNTROAVFFDALRELEQOGRS.PDGIWLTQVKKAAK.....	.PLYGATKRS	.RDRYHG	..	YKDA
A0XZV9	KADLTRIKPIKAGLERLFEVKAH.IAGVVLNKVDMESL.....	.KEBHNYG	.YYDY	..	YKDA
ALXP86	KSDITRIKPIKAGLERLFEVKAH.IAGVVLNKVDMESL.....	.KDEHSHG	.YYDY	..	YKDA
Q3IH97	RADVTRVPIKAGLERLFEVKAH.VAGVILNKVDMESL.....	.KDEHSHG	.YYDY	..	YKDA
A4C8X3	KADLTRIKPIKAGLERLFEVKAH.IAGVVLNKVDMESL.....	.KNGAYQG	.YYDY	..	YKDA
A6FB17	KSDITRIKPIKAGLERLFEVKAH.IAGVVLNKVDMESL.....	.KNGAYQG	.YYDY	..	YKDA
A6FJ6E	KSEATRVRVLQNGVRRLAKVDAN.LGVIMNVHVTDDGVS.....	.GSDYYG	.YSD	..	YKDA
A3EA51	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
A5FZ21	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
A3GX26	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
A3GZ74	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
AZ3R40	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
A1ENG4	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
Q9KTG5	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
ALF6H1	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
A3EK81	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
A6A4L3	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
AZ6F6B	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
A6XTM4	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
A6AC26	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
A2PUD0	DANHTRTPVREVVVKLTQOQSR.IDGVILNRLNAKAS.....	.RYSGY	.HYQAY	..	YKDA
Q08488	KAGHTRSEAVKMTLAKLNQARSK.VFGVVLNQPNTKDAQ.....	.RYQDYG	.YQAYGA	..	YKDA
A4H7F8	RADVTRVPIKAGLERLFEVKAH.IAGVVLNKVDMESL.....	.KDEHSHG	.YYDY	..	YKDA
Q15WY9	KADSTRKILNGLSRELVGHR.VDGVVLNKVDMESL.....	.KHQYTG	.FYQ	..	YKDA
Q2SD96	KSEDPAPLIQKGIKRLREVNAN.LVGAVLNQIDVAKR.....	.KNOHEYI	.HYSSYN	..	YKDA
A6AJH1	RSESTKASLVNVALSKQIQHSIP.SLGVLTQAKSKEG.....	.ETLYVQ	.KYAY	..	YKDA
A7N675	RSESTKASLVNVALSKQIQHSIP.SLGVLTQAKSKEG.....	.ETLYVQ	.KYAY	..	YKDA
A8SZP8	RSESTKASLVNVALSKQIQHSIP.SLGVLTQAKSKEG.....	.ETLYVQ	.KYAY	..	YKDA
A6AK37	RSESTKASLVNVALSKQIQHSIP.SLGVLTQAKSKEG.....	.ETLYVQ	.KYAY	..	YKDA
A84TV3	RSESTKASLVNVALSKQIQHSIP.SLGVLTQAKSKEG.....	.ETLYVQ	.KYAY	..	YKDA
A7KH33	RSESTKASLVNVALSKQIQHSIP.SLGVLTQAKSKEG.....	.ETLYVQ	.KYAY	..	YKDA
Q1VFC7	RSESTKASLVNVALSKQIQHSIP.SLGVLTQAKSKEG.....	.ETLYVQ	.KYAY	..	YKDA
Q7MFC8	RSDSTKVALAKTALSQRQHDIP.SFGVVISOATTPQE.....	.EAHYVQ	.KYAY	..	YKDA
Q8D3V4	RSDSTKVALAKTALSQRQHDIP.SFGVVISOATTPQE.....	.EAHYVQ	.KYAY	..	YKDA
A3W583	EAGVTRVPIKAGLERLFEVKAH.IAGVVLNKVDMESL.....	.RYQDYG	.YQAYGA	..	YKDA
Q1G886	EAGVTRVPIKAGLERLFEVKAH.IAGVVLNKVDMESL.....	.RYQDYG	.YQAYGA	..	YKDA
A5V785	QAEGAARVGRRAAISRLRMVNTH.IFGVTLTKIKASELA.....	.YGYG	.YGYG	..	YKDA
Q2N6C2	ESHGTKSVQIKTAVGRRAATNAR.LLGAVLTKYDNSKAY.....	.SGYN	.YD	..	YKDA
A3VU42	EAGVTRVPIKAGLERLFEVKAH.IAGVVLNKVDMESL.....	.QYGYQ	.YAYGKAA	..	YKDA
Q3JBL3	EAGVTRVPIKAGLERLFEVKAH.IAGVVLNKVDMESL.....	.YGYHYY	.YQGGSS	..	YKDA
Q5N154	EAGVTRVPIKAGLERLFEVKAH.IAGVVLNKVDMESL.....	.GGYMS	.YQGGSS	..	YKDA
A3MFB2	EANRSHFQOAKTALRRRSAGAN.VAGAVLTKYRSABAG.....	.LSYDYVY	.N	..	YKDA
Q2G3B4	EANRSHFQOAKTALRRRSAGAN.VAGAVLTKYRSABAG.....	.LSYDYVY	.N	..	YKDA
A5P762	DAESGNRGAVKTALSRLNLVKAN.VIGAVLTKFNPNVNS.....	.GEYVY	.NDYYAYD	..	YKDA
Q1ILD9	RSVGTVTRALRRSYEMLLHDGIR.VAGVILNMYNPAQDY.....	.GYGYSN	.YYSYHE	..	YKDA
Q1ITG0	RASRTGRHPLRHARMLAKVVRAN.VLGVVLNDFDAKAY.....	.GYGYS	.YDYVY	..	YKDA
A0JZK7	RFGVTRVPIKAGLERLFEVKAH.IAGVVLNKVDMESL.....	.RAGVGT	.SAKQD	..	YKDA
A1RC29	RARKTRTQBLQQLAGNTRVWRG.VLGVVLNKVDMESL.....	.YGYG	.YD	..	YKDA
A3FV38	RYGQSKRDOLLAHVGSJKDVGAP.LLGAVLTKYRSABAG.....	.SN	.SYSYGYT	..	DRK
A4TF38	RFGQTRKRDOLLAHVGSJKDVGAP.LLGAVLTKYRSABAG.....	.SSS	.SYSYGYT	..	DRK
ALUBH0	RFGHTTHEQLTHAVGSLSEVGA.LLGAVLTKYRSABAG.....	.NAS	.YSGYHYGSE	..	ESAT
A5CNM1	AGRTRHRTQLKSATANLTVGAD.VLGLVITMLPTKG.....	.PDA	.YGGHYGYGY	..	GY
B0R057	AGRTRHRTQLKSATANLTVGAD.VLGLVITMLPTKG.....	.PDA	.YGGHYGYGY	..	GY
B1E2K7	GSRWKSEDLQKSAIKRRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A5CP66	DQTRVHRAQLSEALDAVEKSGGS.VLGVVLNKVRPTK.....	.DK	.RAYRAEAGQ	..	TG
B0RH06	DQTRVHRAQLSEALDAVEKSGGS.VLGVVLNKVRPTK.....	.DK	.RAYRAEAGQ	..	TG
A7A7K6	SRNVCEKKSLEAVDTLATAQVP.LLGVILNKVDMESL.....	.NSH	.SNYYYHEDG	..	AK
Q8G4Z0	GRVVEKKELENTATLQAABVP.LLGVILNKVDMESL.....	.HSH	.SNYYYHEDG	..	AK
ALIA56	GRVVEKKELENTATLQAABVP.LLGVILNKVDMESL.....	.HSH	.SNYYYHEDG	..	AK
A0AY75	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
B1K4D4	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
Q1BLT5	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
Q0GYW2	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
Q39I31	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
Q39I31	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
Q0B4Z6	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A0T7W8	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A4JLN2	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A2WDK0	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A9AN87	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A9E8M7	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
B1H7J5	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A3P852	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
Q3JK31	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
Q6J388	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A8KC88	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A4LFZ2	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A3NPF1	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
Q2T7V2	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A0GJ31	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
Q13YW2	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
B1FZC2	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A0G1L1	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
Q13ZQ0	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A0GUX7	RPNAQSERLEGAAGLDRAGAR.LGMIFNAMPRRRS.....	.E.	.KRSYS	..	YAEAYS
Q144U1	RPNAQSERLEGAAGLDRAGAR.LGMIFNAMPRRRS.....	.E.	.KRSYS	..	YAEAYS
A0FZ01	RPNVQTSLELETLRRLDRAGAR.LGAVFNAMPQRRS.....	.E.	.KRWA	..	YASAYT
A0TBW3	RANVQTEREIBETLSRLERAGAR.VGPFVNAVTRRS.....	.D.	.KRLVQ	..	YTSAYT
Q0B1E2	RANVQTEREIBETLSRLERAGAR.VGPFVNAVTRRS.....	.D.	.KRLVQ	..	YTSAYT
B1E2E2	RANVQTEREIBETLSRLERAGAR.VGPFVNAVTRRS.....	.D.	.KRLVQ	..	YTSAYT
B1G7X7	RSVMHTEGEIADAIKRLRTAGVD.LEGGIFNGVPPKAR.....	.G.	.YGRGYA	..	AVHEYL
A0GK02	RHGRHPLNEVMTAKRLRNGGVG.LRGVLLTDVDPQEGA.....	.FLG	.SGYQGGY	..	YGYDSI
Q144V5	RHGRHPLNEVMTAKRLRNGGVG.LRGVLLTDVDPQEGA.....	.FLG	.SGYQGGY	..	YGYDSI
B1F666	RHGRHPLNEVMTAKRLRNGGVG.LRGVLLTDVDPQEGA.....	.FLG	.SGYQGGY	..	YGYDSI
A0F8C1	RHGRHPLNEVMTAKRLRNGGVG.LRGVLLTDVDPQEGA.....	.FLG	.SGYQGGY	..	YGYDSI
A4J718	RHGRHPMABLECTNRLRNVGVA.LRGVLLTDVDPQEGA.....	.TYX	.Y	..	YSYESN
Q13G36	RHGRHPMABLECTNRLRNVGVA.LRGVLLTDVDPQEGA.....	.TYX	.Y	..	YSYESN
A0GC10	RHGRHSAELQESVRLQSSSAGHA.VDGVLLNVAQRRAS.....	.AYG	.AFS	..	YGAEKS
Q13QA8	RHGRHSAELQESVRLQSSSAGHA.VDGVLLNVAQRRAS.....	.AYG	.AFS	..	YGAEKS
Q13M99	RYAQHPLEHIVESVRLRQHGVA.LKGLNLDLPLRTAL.....	.GYG	.RRYR	..	YAYEYG
A0F7J9	RHGRHSAELQESVRLQSSSAGHA.VDGVLLNVAQRRAS.....	.AYG	.AFS	..	YGAEKS
A0G7E5	RSVTLTELESARRLEHAHID.VCGVVLNDYQOQAPG.....	.RYD	.YKXDM	..	YHQAA5
Q0B9J7	RSVTLTELESARRLEHAHID.VCGVVLNDYQOQAPG.....	.RYD	.YKXDM	..	YHQAA5
B1FL14	RSVTLTELESARRLEHAHID.VCGVVLNDYQOQAPG.....	.RYD	.YKXDM	..	YHQAA5
A2WEI4	RSVTLTELESARRLEHAHID.VCGVVLNDYQOQAPG.....	.RYD	.YKXDM	..	YHQAA5
Q395D1	RSVTLTELESARRLEHAHID.VCGVVLNDYQOQAPG.....	.RYD	.YKXDM	..	YHQAA5
Q0KALL	RHGRHSAELQESVRLQSSSAGHA.VDGVLLNVAQRRAS.....	.AYG	.AFS	..	YGAEKS
A0FXS1	RHGRHSAELQESVRLQSSSAGHA.VDGVLLNVAQRRAS.....	.AYG	.AFS	..	YGAEKS
A0TBL6	MAGKTKLGEIGESAKRFAQNGIR.LNGVIFNGVNPRLG.....	.QYG	.YGSYGGYRY	..	YAYEYG
Q0B2A4	MAGKTKLGEIGESAKRFAQNGIR.LNGVIFNGVNPRLG.....	.QYG	.YGSYGGYRY	..	YAYEYG
Q39M74	MAGKTKLGEIGESAKRFAQNGIR.LNGVIFNGVNPRLG.....	.QYG	.YGSYGGYRY	..	YAYEYG
A8KWG0	LAGSTKLGIEAESAKRFAQNGVRLSGVVFNGINPRLG.....	.QYG	.YGSYGGYRY	..	YAYEYG

B1HB10 LAGSTKLEGEIAESAKRLLAQNQVNR.LSGVVFNGINPRLG.....OYQ YGSKYGGYRY...VAYEYG...
Q63R95 LAGSTKLEGEIAESAKRLLAQNQVNR.LSGVVFNGINPRLG.....OYQ YGSKYGGYRY...VAYEYG...
A3ND10 LAGSTKLEGEIAESAKRLLAQNQVNR.LSGVVFNGINPRLG.....OYQ YGSKYGGYRY...VAYEYG...
ABEHV6 LAGSTKLEGEIAESAKRLLAQNQVNR.LSGVVFNGINPRLG.....OYQ YGSKYGGYRY...VAYEYG...
A3NF54 LAGSTKLEGEIAESAKRLLAQNQVNR.LSGVVFNGINPRLG.....OYQ YGSKYGGYRY...VAYEYG...
Q3JF60 LAGSTKLEGEIAESAKRLLAQNQVNR.LSGVVFNGINPRLG.....OYQ YGSKYGGYRY...VAYEYG...
A4MK93 LAGSTKLEGEIAESAKRLLAQNQVNR.LSGVVFNGINPRLG.....OYQ YGSKYGGYRY...VAYEYG...
Q2SYU8 LAGSTKLEGEIAESAKRLLAQNQVNR.LSGVVFNGINPRLG.....OYQ YGSKYGGYRY...VAYEYG...
A0GD66 RAAVTKAGEITEISVKRLLAQNQVNR.ANGVLFNGLNLSHA...RYG YGSKYGSYRY...AAEYEG...
B1F812 RAGTTRRLABELGAAARQLAANGIA.TAGVLLNGVIFRAG...R...YGGRYGAYRY...TRYGDA...
Q390Y9 RAAVTRRLELAEARVRRLAANGIA.LKGVILNGLDRAG...R...YGGRYGAYRY...TRYGDA...
B1K7V1 RAGQTKAQLAEARVRRLAANGIA.LKGVILNGLDRAG...R...YGGRYGAYRY...TRYGDA...
A3XV93 RFERSTLGEIERTIKQLQHANVD.VRGVVFNALDPNTY...RYG YGSRVGRYRY...VOYGYT...
Q45409 RFERSTLGEIERTIKQLQHANVD.VRGVVFNALDPNTY...RYG YGSRVGRYRY...VOYGYT...
P58593 RFERSTLGEIERTIKQLQHANVE.VRGVVFNALDPNTY...RYG YGSRVGRYRY...VOYGYT...
B1FTG2 RFGTTSVBEVRESVKQLRHRANVE.VKGVIFNAPHPAAY...RYS LGSRHAGNRRY...LSOQYA...
Q0BS48 RARQTTLELLESAKQLNRISAGG.LIGVFNGLDRAG...OY...RGRVGRYRY...AFPEAB...
A1V664 RAEVTTAQLQESTKRLGQQTGV.VKGVFNGLDRAG...RYG YGSKYGSYRY...TNYQYG...
Q0K596 RAEKTTTDELLAQAARLQAGAD.IKGVILNGLLIEGR...WYR SHNYFGKRYRY...LAEYGN...
Q46Q71 RAESTTISELLASRRERQQAGAE.IKGVILNGLLIEGR...WYR AHYFGKRYRY...PGEYGS...
Q0K582 RAEMTTAGELRASQQAIRRAGAE.VEGVLFNGPHVQGR...WYR SHNYFGKRYRY...LNRYRH...
Q1LAW8 RADMSTTABELTAARRLVEQQTGGE.IKGVILNGLLIEGR...WYR SHYFGKRYRY...LNRYRH...
A0G8N9 RAGMSTTAGELRASQQAIRRAGAE.VEGVLFNGPHVQGR...WYR SHNYFGKRYRY...LNRYRH...
Q3K2E9 RSGMSTOGEILESVKRRERVAGT.VTGVVFNDRFRPGLR...SAO YGNVYGAAY...EGAEVE...
A0T802 RSGMSTOGEILESVKRRERVAGT.VTGVVFNDRFRPGLR...SAO YGNVYGAAY...EGAEVE...
B1FZV9 RASVTKAAMEECMRRLQHVGA.VKGVILNGLDRHAG...RFR NGTYGTYRY...GRSRGE...
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B1C231 KYDFLYQIQNGSLIKED.CC.FMGVYFVYTK...KSE...YGYG.YS...YGYQ...
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Q8R84 RWKSTAQRAVMACLEREACGAH.LAGVVMNVDTSD...H...YGYG...YGYG...
A3V85 RWDKRAAAREGIDALAVGLT.PAGVILNQVDPKAA...EKI...YGYG...YGYG...
A3V87 RWSKTPQAMRLAARTLREDEH.LVGAATVDRRAEG...MG...YGYG...YGYG...
A4NE8 KAGKTPSEAVAEAYRRLQEAHVR.VLGIILTOANMG...E...YGYG...YGYG...
A7CVIA FKNKVRKAAQAARAKKLESNVH.VFGAVLNGLAVAG...Y...YGYG...YGYG...
ALZK2 KAHSRKIFGKIDKLVQSNFV.NLSVILNGTSTGG...R...YGYR.YGY...HNGYDSYYGN...
A3V6B4 RYAATNQDRDVKRAAERIRGDMHAGVHVPVLSMERRGK...K...YGYG...YGYG...
A6E04 RDKNRVGIKRVQQLITQNGIK.VLGLANGVQSGKFG...D...YGYG...YGYG...
A6E04 RDKNRVGIKRVQQLITQNGIK.VLGLANGVQSGKFG...D...YGYG...YGYG...
Q7UF18 KVANVRRDEVVNTLRRDSSGGE.MLGCMLNFAFGAGKFD...S...YGYG...YGYG...
A6D5E4 RMGRTPKDPVATNRLPKD.K.VVGVIVGAPTRGAG...RYG...YGYG.SRYGO...GYDAERSK...
Q6W35 RVDMSYKSYIEQFNKMMNMSIK.SVGFINGVKKISIS...K...YGYG...YGYG...
B1CUG3 RWGKTSRAVAFSLSQMKMSRNSIETVAINVNVPEKHALYN...F...YGYG...YGYG...

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Q6FFV8 ASKDD

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Q4ALI3 ..... YSKTYSSYMEPEKKG .....
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A7ACT5 ..... TK .....
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