

CLUSTAL W (1.83) multiple sequence alignment

```
AAB48082.1      CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
AAP82997.1      CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
HN4A_HUMAN      CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
JC6096          CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
JC4937         CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
JC4938         CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
NP_000448.3    CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
AAH39220.1     CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
BAB03286.1     CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
CAA54248.1     CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
CAA61133.1     CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
A36471         CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
1705219A      CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
NP_032287.1    CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
NP_071516.1    CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
NP_849180.1    CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
NP_849181.1    CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
AAH42224.1     CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
HN4A_XENLA     CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
AAH56550.1     CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFN-----RQCI
NP_919349.1    CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFN-----RQCI
AAC02906.1     CAICGDRATAKHYGASSCDGCKGFFRRSVR-KNH-----MYS-CRFS-----RQCV
HN4B_XENLA     CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----VYA-CRFS-----RQCI
CAA89990.2     CAICGDRATGKHYGASTCDGCKGFFRRSIR-KSH-----IYS-CRFS-----RQCV
HN4G_HUMAN     CAICGDRATGKHYGASTCDGCKGFFRRSIR-KSH-----IYS-CRFS-----RQCV
JC6095         CAICGDRATGKHYGASTCDGCKGFFRRSIR-KSH-----IYS-CRFS-----RQCV
NP_004124.3    CAICGDRATGKHYGASSCDGCKGFFRRSIR-KSH-----VYS-CRFS-----RQCV
NP_991380.1    CAICGDRATGKHYGASSCDGCKGFFRRSIR-KSH-----VYS-CRFS-----RQCV
HN4G_MOUSE     CAICGDRATGKHYGASSCDGCKGFFRRSIR-KSH-----VYS-CRFS-----RQCV
NP_038948.1    CAICGDRATGKHYGASSCDGCKGFFRRSIR-KSH-----VYS-CRFS-----RQCV
AAH54009.1     CAICGDRATGKHYGASSCDGCKGFFRRSIR-KSH-----VYS-CRFS-----RQCV
NP_991109.1    CAICADRATGKHYGASSCDGCKGFFRRSVR-KNH-----AYT-CRFS-----RQCV
AAB93762.1     CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----LYT-CRFS-----RNCV
AAB93763.1     CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----LYT-CRFS-----RNCV
NP_723413.1    CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----QYT-CRFA-----RNCV
S36218        CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----QYT-CRFA-----RNCV
NP_723414.1    CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----QYT-CRFA-----RNCV
NP_476887.2    CAICGDRATGKHYGASSCDGCKGFFRRSVR-KNH-----QYT-CRFA-----RNCV
AAC72723.1     CTICSDRATGKHYGAASCDGCKGFFRRTVR-KNH-----SYT-CRFS-----RQCV
AAC72724.1     CTICSDRATGKHYGAASCDGCKGFFRRTVR-KNH-----SYT-CRFS-----RQCV
AAO39177.1     CAICGDRATGKHYGAMSCDGCKGFFRRTIR-KRH-----SYV-CRFG-----EKQC
NP_491103.1    CAICGDRATGKHYGAMSCDGCKGFFRRTIR-KRH-----SYV-CRFG-----EKQC
CAE60575.1     CAICGDKATGKHYGALS CDGCKGFFRRTIR-KHH-----SYV-CRFG-----EKQC
NP_492615.2    CHICNDKSTGKHYGAI SCDGCKGFFRRSIR-KRY-----HYQ-CRFE-----QNCD
T25211        CHICNDKSTGKHYGAI SCDGCKGFFRRSIR-KRY-----HYQ-CRFE-----QNCD
CAE60269.1     CHICNDKSTGKHYGAI SCDGCKGFFRRSIR-KRY-----HYT-CRFE-----QNCD
AAG15130.1     CHICSDVATGRHYGAIACNGCKGFFRRTVR-RNY-----EYH-CRFE-----SKCE
NH35_CAEEEL    CHICSDVATGRHYGAIACNGCKGFFRRTVR-RNY-----EYH-CRFE-----SKCE
NP_508779.3    CHICSDVATGRHYGAIACNGCKGFFRRTVR-RNY-----EYH-CRFE-----SKCE
T34093        CHICSDVATGRHYGAIACNGCKGFFRRTVR-RNY-----EYH-CRFE-----SKCE
CAE68607.1     CHICSDVATGRHYGAIACNGCKGFFRRTVR-RNY-----DYH-CRFE-----SKCD
NP_496066.2    CLICGEPSTGKHYGIVACLGCKTFRRRAVV-QRQ-----DTE-CKRE-----KPCD
T20416        CLICGEPSTGKHYGIVACLGCKTFRRRAVV-QRQ-----DTE-CKRE-----KPCD
CAE56399.1     CLICGEPSTGKHYGIVACLGCKTFRRRAVV-QRQ-----DTE-CKRE-----KACD
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NP_492612.1 CAVCGDKSTGTHYGVI SCNGCKGFFRRTVL-RDQ-----KFT-CRFN-----KRCV
NP_492613.1 CAVCGDKSTGTHYGVI SCNGCKGFFRRTVL-RDQ-----KFT-CRFN-----KRCV
NP_871798.1 CAVCGDKSTGTHYGVI SCNGCKGFFRRTVL-RDQ-----KFT-CRFN-----KRCV
NP_871799.1 CAVCGDKSTGTHYGVI SCNGCKGFFRRTVL-RDQ-----KFT-CRFN-----KRCV
AAK17977.1 CAVCGDKSTGTHYGVI SCNGCKGFFRRTVL-RDQ-----KFT-CRFN-----KRCV
AAG15141.1 CAVCGDKSTGTHYGVI SCNGCKGFFRRTVL-RDQ-----KFT-CRFN-----KRCV
AAG15143.1 CAVCGDKSTGTHYGVI SCNGCKGFFRRTVL-RDQ-----KFT-CRFN-----KRCV
CAE60267.1 CAVCGDKSTGTHYGVI SCNGCKGFFRRTVL-RDQ-----KFT-CRFN-----KRCV
AAP13776.1 CVVCGDKAIGKHYGAVACNGCKGFFRRSVW-QNL-----QYT-CRFN-----KQCN
CAE74907.1 CVVCGDKAIGKHYGAVACNGCKGFFRRSVW-QNL-----QYT-CRFN-----KQCN
H89591 CVVCGDKAIGKHYGAVACNGCKGFFRRSVW-QNL-----QYT-CRFN-----KQCN
NH14 CAEEL CVVCGDKAIGKHYGAVACNGCKGFFRRSVW-QNL-----QYT-CRFN-----KQCN
NP_741860.1 CVVCGDKAIGKHYGAVACNGCKGFFRRSVW-QNL-----QYT-CRFN-----KQCN
NP_741861.1 CVVCGDKAIGKHYGAVACNGCKGFFRRSVW-QNL-----QYT-CRFN-----KQCN
NP_509116.2 CSVCGDRPTGYHYDVLSCNGCKTFFRRTII-NSR-----NFI-CTKG-----GNCQ
T34118 CSVCGDRPTGYHYDVLSCNGCKTFFRRTII-NSR-----NFI-CTKG-----GNCQ
CAE65766.1 CSVCGDRPTGYHYDVLSCNGCKTFFRRTII-NNR-----NFQ-CTKG-----GNCQ
CAE65768.1 CAVCGDRATGYHYEVPSCNGCKTFFRRTVL-SQR-----KYE-CMRG-----GKCF
AAD31548.2 CAVCGDTALGKHYGVTACNGCKGFFRRSIW-KNR-----TYA-CRYQ-----GKCG
D88206 CAVCGDTALGKHYGVTACNGCKGFFRRSIW-KNR-----TYA-CRYQ-----GKCG
AAD03691.1 CAVCGDTALGKHYGVTACNGCKGFFRRSIW-KNR-----TYA-CRYQ-----GKCG
AAO38653.1 CAVCGDTALGKHYGVTACNGCKGFFRRSIW-KNR-----TYA-CRYQ-----GKCG
NP_495534.3 CAVCGDTALGKHYGVTACNGCKGFFRRSIW-KNR-----TYA-CRYQ-----GKCG
AAO38655.1 CAVCGDTALGKHYGVTACNGCKGFFRRSIW-KNR-----TYA-CRYQ-----GKCG
CAE67598.1 CAVCGDTALGKHYGVNACNGCKGFFRRSIW-KNR-----TYA-CRYQ-----GKCG
AAG15158.1 CAVCGDVALGKHYGVNACNGCKGFFRRSIW-KNR-----TYA-CRHG-----GKCL
AAG15160.1 CAVCGDVALGKHYGVNACNGCKGFFRRSIW-KNR-----TYA-CRHG-----GKCL
NP_497073.1 CAVCGDVALGKHYGVNACNGCKGFFRRSIW-KNR-----TYA-CRHG-----GKCL
NP_497074.1 CAVCGDVALGKHYGVNACNGCKGFFRRSIW-KNR-----TYA-CRHG-----GKCL
CAE60603.1 CAVCGDQALGKHYGVNACNGCKGFFRRSIW-KNR-----TYA-CRYG-----GKCL
AAG15162.1 CVVCGDQAFGKHYGVNACNGCKGFFRRSVW-HNR-----QYL-CRFE-----GRCA
AAG15163.1 CVVCGDQAFGKHYGVNACNGCKGFFRRSVW-HNR-----QYL-CRFE-----GRCA
NP_492607.1 CVVCGDQAFGKHYGVNACNGCKGFFRRSVW-HNR-----QYL-CRFE-----GRCA
T23558 CVVCGDQAFGKHYGVNACNGCKGFFRRSVW-HNR-----QYL-CRFE-----GRCA
CAE60279.1 CVVCGDQAFGKHYGVNACNGCKGFFRRSVW-NNR-----QYL-CRFE-----GRCA
NP_501775.1 CDVCGDVAFGKHYGINACNGCKGFFRRSVW-SRR-----QYS-CRFG-----GDCP
T21645 CDVCGDVAFGKHYGINACNGCKGFFRRSVW-SRR-----QYS-CRFG-----GDCP
CAE59975.1 CDVCGDVAFGKHYGINACNGCKGFFRRSVW-SRR-----QYS-CRFG-----GDCP
NP_510201.2 CVVCGDAADGFHYGVRSCRCNAFFRRAVT-FNM-----SFT-CRRG-----GRCP
T23520 CVVCGDAADGFHYGVRSCRCNAFFRRAVT-FNM-----SFT-CRRG-----GRCP
AAO39173.1 CVVCGDAADGFHYGVRSCRCNAFFRRAVT-FNM-----SFT-CRRG-----GRCP
CAE61407.1 CVVCGDAADGFHYGVRSCRCNAFFRRAVT-FNM-----SFT-CRRG-----GRCP
AAM69090.1 CVVCSDFASGIHYSVASCNGCKTFFRRALV-NKQ-----TFT-CQFS-----GDCV
NP_741729.1 CVVCSDFASGIHYSVASCNGCKTFFRRALV-NKQ-----TFT-CQFS-----GDCV
NH40 CAEEL CVVCSDFASGIHYSVASCNGCKTFFRRALV-NKQ-----TFT-CQFS-----GDCV
CAE58853.1 CVVCSDFASGIHYSVASCNGCKTFFRRALV-NKQ-----TFT-CQFT-----GDCV
T16793 CVVCSDFASGIHYSVASCNGCKTFFRRALV-NKQ-----TFT-CQFS-----GDCV
AAO39201.1 CLVCQDFASGYHYGVPSCVGCKTFFRRTIM-KKQ-----KYI-CQFE-----GNCP
AAO39202.1 CLVCQDFASGYHYGVPSCVGCKTFFRRTIM-KKQ-----KYI-CQFE-----GNCP
AAO39203.1 CLVCQDFASGYHYGVPSCVGCKTFFRRTIM-KKQ-----KYI-CQFE-----GNCP
AAO27833.1 CLVCQDFASGYHYGVPSCVGCKTFFRRTIM-KKQ-----KYI-CQFE-----GNCP
NP_504164.1 CLVCQDFASGYHYGVPSCVGCKTFFRRTIM-KKQ-----KYI-CQFE-----GNCP
CAE58326.1 CLVCQDFAAGYHYGVPSCVGCKTFFRRTIM-KKQ-----KYI-CQFE-----GNCP
AAO39172.1 CLVCSDI STGYHYGVPSCNGCKTFFRRTIM-KNQ-----TFS-CQFQ-----GKCP
NP_498554.1 CLVCSDI STGYHYGVPSCNGCKTFFRRTIM-KNQ-----TFS-CQFQ-----GKCP
CAE70133.1 CLVCQDI STGYHYGVPSCNGCKTFFRRTIM-KNQ-----TFQ-CQFQ-----KKCP
AAO39181.1 CLVCQDFSSGYHYGIPSCNGCKTFFRRTVM-KKQ-----KFV-CQFD-----QNCP

NP_505936.1 CLVCQDFSSGYHYGIPSCNGCKTFFRRTVM-KKQ-----KFV-CQFD-----QNCP
CAE75338.1 CLVCQDFSSGYHYGIPSCNGCKTFFRRTVM-KKQ-----KFV-CQFD-----QNCP
AAO39189.1 CLVCNDLSSGYHYGVPSGCKTFFRRTIM-KKQ-----LFV-CQHE-----KNCP
NP_505935.2 CLVCNDLSSGYHYGVPSGCKTFFRRTIM-KKQ-----LFV-CQHE-----KNCP
CAE75339.1 CLVCNDISSGYHYGVPSGCKTFFRRTIM-QKH-----IFV-CQHE-----KNCS
NP_510834.2 CAVCSDLATGYHYGVASCNGCKTFFRRTIV-SEQ-----TFI-CQYN-----GNCD
T28881 CAVCSDLATGYHYGVASCNGCKTFFRRTIV-SEQ-----TFI-CQYN-----GNCD
AAP46279.1 CAVCSDLATGYHYGVASCNGCKTFFRRTIV-SEQ-----TFI-CQYN-----GNCD
AAO39167.1 CAVCSDLATGYHYGVASCNGCKTFFRRTIV-SEQ-----TFI-CQYN-----GNCD
CAE58689.1 CAVCSDLATGYHYGVASCNGCKTFFRRTIV-SEQ-----TFI-CQYN-----GNCD
AAO39170.1 CAVCSDLATGYHYGVASCNGCKTFFRRTIV-SEQ-----TFI-CQYN-----GNCD
AAP46278.1 CAVCSDLATGYHYGVASCNGCKTFFRRTIV-SEQ-----TFI-CQYN-----GNCD
NHR1_CAEEEL CAVCSDLATGYHYGVASCNGCKTFFRRTIV-SEQ-----TFI-CQYN-----GNCD
NP_504455.1 CAVCDDIATGKHYSVASCNGCKTFFRRALV-NNR-----EFV-CQGN-----KDCP
T33174 CAVCDDIATGKHYSVASCNGCKTFFRRALV-NNR-----EFV-CQGN-----KDCP
G89050 CAVCDDIATGKHYSVASCNGCKTFFRRALV-NNR-----EFV-CQGN-----KDCP
CAE64622.1 CAVCDDVATGKHYSVASCNGCKTFFRRALV-NNR-----EFV-CQGN-----KDCD
NP_504453.1 CAVCDDIATGKHYSVASCNGCKTFFRRALV-NNR-----EFV-CQGN-----KDCP
CAE57227.1 CTVCGDVASGIHYSVAACNGCKTFFRRVVL-ENR-----TYS-CKNN-----GDCI
NP_510115.1 CSVCGDVASGIHYSVAACNGCKTFFRRVVL-ENR-----TYS-CKNN-----GDCI
AAG15127.1 CAVCGDGI AKLHYGVLACYGCKGFFRRTL-T-GKY-----RYA-CRFS-----NNCI
NP_741456.1 CAVCGDGI AKLHYGVLACYGCKGFFRRTL-T-GKY-----RYA-CRFS-----NNCI
AAG15128.1 CAVCGDGI AKLHYGVLACYGCKGFFRRTL-T-GKY-----RYA-CRFS-----NNCI
CAE70940.1 CAVCGDGI AKLHYGVLACYGCKGFFRRTL-T-GKY-----RYA-CRFG-----NNCI
AAM81108.1 CAVCGDGI AKLHYGVLACYGCKGFFRRTL-T-GKY-----RYA-CRFS-----NNCI
CAE72428.1 CRVCGDGN AKTHYGVVTCFGCKGFFRRTL-K-RPS-----EYA-CRHN-----GNCV
NP_494368.1 CKVCGDGN AKTHYGVVTCFGCKGFFRRTL-K-RPS-----EYT-CRHN-----GHCV
CAE62036.1 CAVCGDTPAKIHYGVLACFGCKGFFRRAVKDGRN-----KYV-CRFE-----KNCE
NP_502117.2 CAVCGDTPAKIHYGVLACFGCKGFFRRAVKDGRN-----KYV-CRFE-----KNCE
AAG15179.1 CMVCGDRSAGKHYGVMACYGCKGFFRRTIR-SQQ-----TYT-CRFT-----QKCA
AAR30203.1 CMVCGDRSAGKHYGVMACYGCKGFFRRTIR-SQQ-----TYT-CRFT-----QKCA
AAO21381.1 CMVCGDRSAGKHYGVMACYGCKGFFRRTIR-SQQ-----TYT-CRFT-----QKCA
NP_494413.2 CMVCGDRSAGKHYGVMACYGCKGFFRRTIR-SQQ-----TYT-CRFT-----QKCA
CAE72436.1 CMVCGDRSAGKHYGVMACYGCKGFFRRTIR-SNQ-----SYQ-CRFT-----QKCS
CAE63197.1 CTVCCDEASGRHYGVVACFGCKGFFRRTVR-AGK-----NYI-CRYN-----KKCR
NP_510423.1 CSVCCDEASGRHYGVVACFGCKGFFRRTVR-AGK-----NYV-CRYS-----KKCR
AAC24264.2 CRVCCDSNGQPHYGTICCPSCCKGFFRRVYM-SDK-----KFE-CYRG-----NMCV
NP_501348.1 CRVCCDSNGQPHYGTICCPSCCKGFFRRVYM-SDK-----KFE-CYRG-----NMCV
CAE70941.1 CRVCCDSNGQPHYGTICCPSCCKGFFRRVYM-SEK-----KFE-CYRG-----NMCV
AAG15129.1 CRVCGDSRAGRHYGTIACNGCKGFFRRSIW-EQR-----DYV-CRFG-----GKCL
T22948 CRVCGDSRAGRHYGTIACNGCKGFFRRSIW-EQR-----DYV-CRFG-----GKCL
NP_741480.1 CRVCGDSRAGRHYGTIACNGCKGFFRRSIW-EQR-----DYV-CRFG-----GKCL
CAC70099.2 CRVCGDSRAGRHYGTIACNGCKGFFRRSIW-EQR-----DYV-CRFG-----GKCL
CAE46673.1 CRVCGDSRAGRHYGTIACNGCKGFFRRSIW-EQR-----DYV-CRFG-----GKCL
CAE74760.1 CRVCGDSRAGRHYGTIACNGCKGFFRRSIW-EQR-----DYV-CRFG-----GKCL
CAC70072.3 CLVCGDDKASRHYGTIVACNGCKGFFRRSVW-EKR-----TYF-CIAN-----EDCE
NP_501730.2 CLVCGDDKASRHYGTIVACNGCKGFFRRSVW-EKR-----TYF-CIAN-----EDCE
CAE69003.1 CLVCGDEKAGRHYGTIVACNGCKGFFRRSVW-DHR-----TYS-CTMG-----NNCD
NP_501731.1 CLVCGDPHGKRHYGAMSCNGCKGFFRRSIW-EKR-----TYK-CSFN-----NECI
T19540 CLVCGDPHGKRHYGAMSCNGCKGFFRRSIW-EKR-----TYK-CSFN-----NECI
CAE69004.1 CLVCGDPNAKRHYGAMSCNGCKGFFRRSIW-EKR-----VYH-CAFG-----GRCI
NP_504213.1 CLVCGDPNIQRHYGTIVSCNGCKGFFRRSIW-EKR-----TYK-CSFH-----NQCS
AAD05225.1 CKVCGDRSSGKHYGIYSCDGC SGFFKRSIH-RNR-----IYT-CKATG---DLKGRCP
NP_477140.1 CKVCGDRSSGKHYGIYSCDGC SGFFKRSIH-RNR-----IYT-CKATG---DLKGRCP
XP_318587.1 CKVCGDRSSGKHYGIYSCDGC SGFFKRSIH-RNR-----VYT-CKAAG---ELKGRCP
AAF71999.1 CKVCGDFSSGKHYNIFACDGCAGFFKRSIR-RNR-----QYV-CKAK-----DEGSCI
AAF74116.1 CKVCGDFSSGKHYNIFACDGCAGFFKRSIR-RNR-----QYV-CKAK-----DEGSCI

AAO39180.1 CRVCEDHSSGKHYSIFSCDGCAGFFKRSIR-RHR-----QYV-CKNKGS--PSEGQCK
NP_502094.1 CRVCEDHSSGKHYSIFSCDGCAGFFKRSIR-RHR-----QYV-CKNKGS--PSEGQCK
CAE62015.1 CRVCQDHSSGKHYGIYACDGCAGFFKRSIR-RHR-----QYV-CKNKGN--FDEGRCI
B47265 CKVCRDHSSGKHYGIYACDGCAGFFKRSIR-RSR-----QYV-CKSQ-----KQGLCV
TLL_DROVI CKVCRDHSSGKHYGIYACDGCAGFFKRSIR-RSR-----QYV-CKSQ-----KQGLCV
NP_524596.1 CKVCRDHSSGKHYGIYACDGCAGFFKRSIR-RSR-----QYV-CKSQ-----KQGLCV
XP_316782.1 CKVCRDHSSGKHYGIYACDGCAGFFKRSIR-RSR-----QYV-CKSK-----SEVPCV
AAM61763.1 CKVCGDRSSGKHYGVYACDGC SGFFKRSIR-RNR-----TYV-CKSGS-----QGGCP
NR21_ORYLA CKVCGDRSSGKHYGVYACDGC SGFFKRSIR-RNR-----IYL-CKSGS-----QGGCP
NR21_XENLA CKVCGDRSSGKHYGVYACDGC SGFFKRSIR-RNR-----SYV-CKSGN-----QGGCP
NP_003260.1 CKVCGDRSSGKHYGVYACDGC SGFFKRSIR-RNR-----TYV-CKSGN-----QGGCP
NP_689415.1 CKVCGDRSSGKHYGVYACDGC SGFFKRSIR-RNR-----TYV-CKSGN-----QGGCP
NP_990501.1 CKVCGDRSSGKHYGVYACDGC SGFFKRSIR-RNR-----TYV-CKSGN-----QGGCP
AAP79295.1 CKVCGDRSSGKHYGVYACDGC SGFFKRSIR-RNR-----QYV-CKNKG-----NGPCP
AAL29193.1 CKVCGDRSSGKHYGIYACDGC SGFFKRSIR-RNR-----SYT-CRATNG----KGNCV
NP_055064.1 CRVCGDSSSGKHYGIYACNGC SGFFKRSVR-RRL-----IYR-CQVG----AGM--CP
NP_057430.1 CRVCGDSSSGKHYGIYACNGC SGFFKRSVR-RRL-----IYR-CQVG----AGM--CP
NP_038736.1 CRVCGDSSSGKHYGIYACNGC SGFFKRSVR-RRL-----IYR-CQVG----AGM--CP
AAF15392.2 CRVCGDSSSGKHYGIYACNGC SGFFKRSVR-RRL-----IYR-CQVG----AGM--CP
NP_989925.1 CKVCGDTSSGKHYGIYACNGC SGFFKRSVR-RKL-----IYR-CQAG----TGL--CP
NP_508547.1 CAVCGDVSSGKHYGILACNGC SGFFKRSVR-RRL-----IYR-CQAG----TGN--CV
T29238 CAVCGDVSSGKHYGILACNGC SGFFKRSVR-RRL-----IYR-CQAG----TGN--CV
CAE68391.1 CAVCGDVSSGKHYGILACNGC SGFFKRSVR-RRL-----IYR-CQAG----TGN--CV
NP_611032.1 CVVCGDTSSGKHYGILACNGC SGFFKRSVR-RKL-----IYR-AGDD----WAKNGCM
XP_305999.1 CVVCGDTSSGKHYGILACNGC SGFFKRSVR-RKL-----IYR-----
NP_725457.1 CVVCGDTSSGKHYGILACNGC SGFFKRSVR-RKL-----IYR-CQAG----TGR--CV
XP_319010.1 CVVCGDTSSGKHYGILACNGC SGFFKRSVR-RKL-----IYR-CQAG----TGS--CT
XP_345117.1 CKVCGDRSSGKHYGVYACDGC SGFFKRSIR-RNR-----TYV-CKSG-----
CAE65008.1 CEICGDKSYGRHYGVWACDGC SCFFKRSVR-KNI-----IYT-CIAG-----NWRCV
NP_497579.1 CEICGDKSYGRHYGVWACDGC SCFFKRSVR-KNI-----IYT-CIAG-----NWKCV
NP_649647.1 CAVCGDQSSGKHYGVSCDGC SCFFKRSVR-RGS-----SYA-CIAL-----VGNCV
XP_307951.1 CRVCSDRSSGKHYGTVCCDGC SCFFKRSIR-KRA-----VYS-CISG-----QGGCS
CAE70300.1 CRVCGDRASGRHYGVLSCDGC RGFKRSIR-RNL-----RYT-CKEA-----KRCV
XP_321796.1 CKVCGDRASGKHYGVPSDGC RGFKRSIR-RNL-----EYV-CKEG-----GKCV
CAB05521.2 CAVCGDTSNGNHYGVPTCFGC SGFFRRTVR-NKL-----VHG-CWNG-----DGNCV
NP_507060.1 CAVCGDTSNGNHYGVPTCFGC SGFFRRTVR-NKL-----VHG-CWNG-----DGNCV
1411299B CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYCKYDS-----CC-
CAA68539.1 CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYCKYDS-----CC-
AAH35137.1 CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYCKYDS-----CC-
TVRTAR CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYCKYDS-----CC-
XP_126580.1 CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYCKYDS-----CC-
THA1_SHEEP CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYCKYDS-----CC-
THA_MOUSE CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYCKYDS-----CC-
THA_PIG CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYCKYDS-----CC-
S06410 CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYCKYDS-----CC-
S06907 CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYCKYDS-----CC-
S09178 CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYCKYDS-----CC-
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NR42_RAT CAVCGDNAACQHYGVRTCEGCKGFFKRTVQKNA-----KYV-CLANK-----NC-
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NP_497731.1 CAVCNDRAVCLHYGARTCEGCKGFFKRTVQKNS-----KYT-CAGNK-----TC-
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AAG15119.1 CAVCNDRAVCLHYGARTCEGCKGFFKRTVQKNS-----KYT-CAGNK-----TC-
CAE64932.1 CAVCNDRAVCLHYGARTCEGCKGFFKRTVQKNS-----KYT-CAGNK-----NC-
AAC61752.1 CAVCNDRTVCQHYGARTCEGCKGFFKRTVQKKA-----QYV-CTGNK-----NC-
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EAR2_MOUSE CVVCGDKSSGKHYGVFTCEGCKSF FFKRT IRRNL-----SYT-CRSNR-----DC-
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NP_034394.1 CLICGDRATGLHYGII SCEGCKGFFKRS ICNKR-----VYR-CRSDK-----NC-
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XP_342428.1 CLICGDRATGLHYGII SCEGCKGFFKRS ICNKR-----VYR-CRSDK-----NC-
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NP_776476.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
ESR2_SHEEP CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
CAC42097.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAC05751.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
S71400 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAC25603.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAC15234.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAD32580.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
NP_001428.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAK71318.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
ESR2_CALJA CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAK71317.1 CAVCSDFASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAK15151.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
ESR2_PIG CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
ESR2_COTJA CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
NP_990125.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
ESR2_STUVU CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAD47637.1 CPVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAK77002.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAO39210.1 CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
ESR2_MICUN CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAP72179.1 CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
BAD02929.1 CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
ESR2_ANGJA CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NGYICPATN-----QC-
CAC85356.1 CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYMC PATN-----QC-

CAC85366.1 CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
ERB2_CARAU CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
CAC93848.1 CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
NP_777287.1 CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
ESR2 ICTPU CVVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAK16742.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
NP_851297.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAN60793.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
CAC93849.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
ERB1_CARAU CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
BAB91218.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
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AAR92486.1 CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
AAL82742.1 CAVCHDYASGYHYGVWSCEGCKAFFKRSIQRH-----NDYICPATN-----QC-
ESR2_SPAAU CAVCHDYASGYHYGVWSCEGCKAFFKRSIQRH-----NDYICPATN-----QC-
AAO39211.1 CAVCQDYASGYHYGVWSCEGCKAFFKRSIQRH-----NDYICPATN-----QC-
ESR3_MICUN CAVCHDYASGYHYGVWSCEGCKAFFKRSIQRD-----NEYICPATN-----EC-
BAB85623.1 CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
ESR2_ORENI CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----NDYICPATN-----QC-
BAB79705.1 CAVCHDYASGYHYGVWSCEGCKAFFKRSIQGH-----TDYICPATN-----QC-
AAK57823.1 CAVCNDFASGYHYGVWSCEGCKAFFKRSIQGH-----NAYICPATN-----QC-
AAB97426.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGS-----RRERCYR-----
AAB97427.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGS-----RRERCYR-----
AAO89568.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQGH-----N-----
AAA58462.1 CAVCNDYASGYHYGVWSCEGCKAFFKRSIQEL-----PT-LC-----
AAQ95045.1 CQVCSDNASGFHYGVWSCEGCKAFFKRSIQGP-----VDYICPATN-----TC-
AAC05114.1 CAVCSDFASGYHYGFWSCEGCKAFFKRSIQ-----
XP_234426.2 CLVCGDIASGYHYGAVSCEACKAFFKRTIQGK-----EVYRNQHVV-----LT-
CAE68258.1 CVVCGDKASGRHYGAVSCEGCKGFFKRSIRKR-----VTDKINLPQ-----LL-
NP_500074.1 CVVCGDKASGRHYGAVSCEGCKGFFKRSIRKR-----TADKIKLGQ-----LL-
AAL68274.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKS-----AVYCKFGR-----AC-
NP_724456.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKS-----AVYCKFGR-----AC-
NP_724459.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKS-----AVYCKFGR-----AC-
NP_724460.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKS-----AVYCKFGR-----AC-
1R0NB CLVCGDRASGYHYNALTCEGCKGFFRRSVTKS-----AVYCKFGR-----AC-
AAG02187.2 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKS-----AVYCKFGR-----AC-
AAG46050.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
ECR_LUCCU CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
CAA11907.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGR-----SC-
AAQ23183.1 CLVCGDRESGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
ECR_AEDAE CLVCGDRESGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
AAF19032.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
ECR_CHITE CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----EC-
BAA07890.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
ECR_BOMMO CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
AAA87340.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
BAC44997.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
AAC36491.2 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
AAC61596.2 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
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BAC11714.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
AAR84611.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
AAM54494.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
AAM54496.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
ECR_HELVI CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
ECR_MANSE CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
AAB27699.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKS-----AVYCKFGR-----AC-

XP_320323.1 CLVCGDRASGYHYNALTCEGCKGFFRRSVTKN-----AVYCKFGH-----AC-
AAB94565.1 CLVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYQCKYGN-----NC-
AAB94566.1 CLVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYQCKYGN-----NC-
AAB94567.1 CLVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYQCKYGN-----NC-
AAD19828.1 CLVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYQCKYGN-----NC-
CAA72296.1 CLVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYQCKYGN-----NC-
AAC33432.2 CLVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYQCKYGN-----NC-
AAH61668.1 CVVCGDKASGYHYNALTCEGCKGFFRRSITKN-----AVYRCKNGG-----HC-
AAM33366.1 CVVCGDKASGYHYNALTCEGCKGFFRRSITKN-----AVYRCKNGG-----HC-
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NP_941060.1 CMVCGDKASGYHYNALTCEGCKGFFRRSITKN-----AVYSCKNGG-----HC-
NP_963913.1 CMVCGDKASGYHYNALTCEGCKGFFRRSITKN-----AVYSCKNGG-----HC-
NP_963914.1 CMVCGDKASGYHYNALTCEGCKGFFRRSITKN-----AVYSCKNGG-----HC-
NP_963915.1 CMVCGDKASGYHYNALTCEGCKGFFRRSITKN-----AVYSCKNGG-----HC-
XP_227528.2 CMVCGDKASGYHYNALTCEGCKGFFRRSITKN-----AVYSCKNGG-----HC-
AAL57619.1 CVVCGDKASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----NC-
NP_989444.1 CVVCGDKASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----NC-
AAM53546.1 CVVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----SC-
AAM53548.1 CVVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----SC-
AAM53550.1 CVVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----NC-
CAE11874.1 CVVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----NC-
NP_005114.1 CVVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----NC-
NP_068513.1 CVVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----NC-
AAM53547.1 CVVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----SC-
AAM53549.1 CVVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----SC-
AAM53551.1 CVVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----NC-
NRH4_HUMAN CVVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----NC-
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NRH4_MOUSE CVVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----NC-
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NP_033134.1 CVVCGDRASGYHYNALTCEGCKGFFRRSITKN-----AVYKCKNGG-----NC-
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NP_113814.1 CRVCGDKASGFHYNVLSCEGCKGFFRRSVVHGGA-----GRYACRGSg-----TC-
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AAD16050.1 CSVCGDKASGFHYNVLSCEGCKGFFRRSVIKG-----ARYVCHSGG-----HC-
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AAH08819.1 CSVCGDKASGFHYNVLSCEGCKGFFRRSVIKG-----AHYVCHSGG-----HC-
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AAO19592.1 CSVCGDKASGFHYNVLSCEGCKGFFRRSVIKG-----ARYVCHSGG-----HC-
AAO19594.1 CSVCGDKASGFHYNVLSCEGCKGFFRRSVIKG-----ARYVCHSGG-----HC-

CAD45182.1 CSVCGDKASGFHYNVLSCEGCKGFFRRSVIKG-----AQYVCKNGG-----KC-
NP_989873.1 CSVCGDKASGFHYNVLSCEGCKGFFRRSVIKG-----AQYVCKNGG-----KC-
AAO19593.1 CSVCGDKASGFHYNVLSCEGCKGFFRRSVIKG-----ARYVCHGGG-----HC-
1KB2 CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----LFT-CPFNG-----DCR
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VDR_BOVIN CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----LFT-CPFNG-----DCR
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NP_033530.2 CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----LFT-CPFNG-----DCR
VDR_MOUSE CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----LFT-CPFNG-----DCR
NP_058754.1 CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----LFT-CPFNG-----DCR
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VDR_COTJA CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----MFT-CPFNG-----DCK
VDR_XENLA CGVCGDKATGFHFNAMTCEGCKGFFRRSMKRKA-----MFT-CPFNG-----DCR
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NP_570994.1 CGVCGDKATGFHFNAMTCEGCKGFFRRSMKRKA-----SFT-CPFNG-----NCT
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AAA61274.1 CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----LFT-CPFNG-----DCR
AAP05810.1 CGVCGDKATGYHFNAMTCEGCKGFFRRSMKRKA-----SFT-CPFNG-----KCN
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AAH41187.1 CRACGDRATGYHFNAMTCEGCKGFFRRAMKRNL-----RLS-CPFQ-----SCV
S41497 CRACGDRATGYHFNAMTCEGCKGFFRRAMKRNL-----RLS-CPFQ-----SCV
JC7510 CRACGDRATGYHFNAMTCEGCKGFFRRAMKRNL-----RLS-CPFQ-----SCV
AAC53350.1 CVVCGDRATGYHFHALTCEGCKGFFRRTVSKTI-----GPI-CPFAG-----RCE
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BAC84956.1 CVVCGDRATGYHFHALTCEGCKGFFRRTVSKTI-----GPI-CPFAG-----RCE
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NP_005113.1 CVVCGDQATGYHFHALTCEGCKGFFRRTVSKSI-----GPT-CPFAG-----SCE
BAD00038.1 CMVCGDRATGYHFHALTCEGCKGFFRRTVSKNT-----GLT-CPFAG-----SCK
BAD00039.1 CMVCGDRATGYHFHALTCEGCKGFFRRTVSKNT-----GLT-CPFAG-----NCK
NP_990033.1 CAVCGDRATGYHFHVMSCGCKGFFRRSILKGV-----HFT-CPFTR-----SCP
AAP31437.1 CTVCSDRANGYNFGVLTCEESKAFFRRNASKHK-----EIK-CPFSD-----SCQ
NP_741445.1 CTVCSDRANGYNFGVLTCEESKAFFRRNASKHK-----EIK-CPFSD-----SCQ
CAE61946.1 CTVCCDRANGYNFGVLTCEESKAFFRRNAAKHK-----DIK-CPFSD-----SCQ
NP_509782.1 CRVCGDHATGYNFNVTCEESKAFFRRNALRPK-----EFK-CPYSE-----DCE
NP_509784.1 CRVCGDHATGYNFNVTCEESKAFFRRNALRPK-----EFK-CPYSE-----DCE
T20733 CRVCGDHATGYNFNVTCEESKAFFRRNALRPK-----EFK-CPYSE-----DCE
CAE60812.1 CRVCGDHATGYNFNVTCEESKAFFRRNALRPK-----EFK-CPYSE-----DCE
CAE63355.1 CRVCGDKAFSYNFNVTCEESKAFFRRNANKEK-----EIR-CPFNE-----QCE
NH48_CAEEEL CRVCGDKAFSYNFNVTCEESKAFFRRNANKEK-----EIR-CPFNE-----QCE
NP_741940.1 CRVCGDKAFSYNFNVTCEESKAFFRRNANKEK-----EIR-CPFNE-----QCE
NP_524493.1 CAVCGDKALGYNFNAVTCEESKAFFRRNALAKK-----QFT-CPFNQ-----NCD
XP_313130.1 CSVCGDKALGYNFNAVTCEESKAFFRRNALSTK-----GFT-CPFNE-----NCD
AAP21572.1 CKVCGEPAAGFHFGAFTCEGCKSFFGRSYNNIS-----TIS-ECKNDG-----KCI
KNIR_DROVI CKVCGEPAAGFHFGAFTCEGCKSFFGRSYNNIS-----TIS-ECKNDG-----KCI

AAP12718.1 CKVCGEPAAGFHFGAFTCEGCKSFFGRSYNNIS-----TIS-ECKNDG-----KCI
NP_524187.1 CKVCGEPAAGFHFGAFTCEGCKSFFGRSYNNIS-----TIS-ECKNEG-----KCI
S01919 CKVCGEPAAGFHFGAFTCEGCKSFFGRSYNNIS-----TIS-ECKNEG-----KCI
CAF21851.1 CKVCGEPAAGFHFGAFTCEGCKSFFGRTYNNIS-----SIS-ECKNNG-----ECV
NP_788552.1 CKVCGEPAAGFHFGAFTCEGCKSFFGRSYNNLS-----SIS-DCKNNG-----ECI
EGON_DROME CKVCGEPAAGFHFGAFTCEGCKSFFGRTYNNIA-----AIA-GCKHNG-----DCV
NP_524206.1 CKVCGEPAAGFHFGAFTCEGCKSFFGRTYNNIA-----AIA-GCKHNG-----DCV
AAG15123.1 CSVCGEAGDGAHFGAEACRACAAFFRRSVALNK-----AYV-CRAMGT-----CV
NP_510659.1 CSVCGEAGDGAHFGAEACRACAAFFRRSVALNK-----AYV-CRAMGT-----CV
T19202 CSVCGEAGDGAHFGAEACRACAAFFRRSVALNK-----AYV-CRAMGT-----CV
CAE69977.1 CSVCGEAGDGAHFGAEACRACAAFFRRSVALNK-----AYV-CRAMGA-----CI
AAG15170.1 CSICGEVGNVHFGAEACRACAAFFRRSVALNK-----LYR-CRGDGN-----CD
NP_507636.1 CSICGEVGNVHFGAEACRACAAFFRRSVALNK-----LYR-CRGDGN-----CD
AAG15171.1 CSICGEVGNVHFGAEACRACAAFFRRSVALNK-----LYR-CRGDGN-----CD
AAG15172.1 CSICGEVGNVHFGAEACRACAAFFRRSVALNK-----LYR-CRGDGN-----CD
CAE73281.1 CSVCGEVNGIHFHFGAEACRACAAFFRRSVALHK-----EYR-CRGMGN-----CD
AAG15175.1 CSICREDGDGYHFGAEACRACAAFFRRSVSLDK-----TYL-CRGNND-----CE
AAG15176.1 CSICREDGDGYHFGAEACRACAAFFRRSVSLDK-----TYL-CRGNND-----CE
AAG15177.1 CSICREDGDGYHFGAEACRACAAFFRRSVSLDK-----TYL-CRGNND-----CE
NP_503561.2 CSICREDGDGYHFGAEACRACAAFFRRSVSLDK-----TYL-CRGNND-----CE
CAE66792.1 CAVCREEGDGFHFGAEACRACAAFFRRSVSLDK-----RYL-CRGNND-----CD
G88124 CSICREPGDGFHFGAEACRACAAFFRRRTVSNRK-----TYS-CQGND-----CD
NP_494785.1 CAICQESAEGFHFGAEACRACAAFFRRRTVSNRK-----TYS-CQGND-----CD
NP_494784.1 CSICREPGDGFHFGAEACRACAAFFRRSVSQQSK-----TYL-CQGND-----CD
F88124 CSICQESGDGFHFGAEACRACAAFFRRRSISENK-----LYT-CSGNND-----CD
CAE60139.1 CAICLEDGDGFHFGAEACKACAAFFRRRSISQTK-----RYV-CRNGD-----CD
NP_505589.1 CAVCNEVGDGLHFGAEACRACAAFFRRSVALSK-----KYE-CRAGR-----CE
AAG15147.1 CLICCEVADGHHFGAAACRACAAFFRRRTVQLNK-----VHD-CPKNGQ-----CF
AAG15148.1 CLICCEVADGHHFGAAACRACAAFFRRRTVQLNK-----VHD-CPKNGQ-----CF
NP_741644.1 CLICCEVADGHHFGAAACRACAAFFRRRTVQLNK-----VHD-CPKNGQ-----CF
CAE61044.1 CLICCEVADGHHFGAPACRACAAFFRRRTVQLNK-----IHE-CPKNNQ-----CF
CAE64011.1 CAVCHEVGDGLHFGAEACRACAAFFRRRTVALGK-----EYE-CRQHGN-----CT
NP_505588.1 CAICGDVGDGHHFGLDACRACAAFFRRRTVALGK-----KFE-CRQQA-----CK
AAG15132.1 CLICGDSADSLHFGALSCRACAAFFRRKVA-GR-----RNI-FRRCDRQ-----CK
NP_504771.1 CLICGDSADSLHFGALSCRACAAFFRRKVA-GR-----RNI-FRRCDRQ-----CK
CAE71986.1 CLICGDSADSLHFGALSCRACAAFFRRKVA-GR-----RNI-FRRCDRQ-----CQ
CAE58238.1 CGVCGEPADSVHFGAHSRACAAFFRRRVVSGK-----LNPKCRCAGR-----CN
NP_503460.1 CRVCGECADAVHFGALSCRACAAFFRRKVAAGK-----PLSSSRCSGS-----CK
CAE65524.1 CGVCSDTADAVHFGGLSCRACAAFFRRKVAAGK-----MSIGRRCFGN-----CK
CAE64776.1 CKICCEPAHG VHFVASCACAAFFRRRTTVL GK-----KYS-CRLKNE-----QCT
NP_505639.1 CKICCEPAHG VHFVASCACAAFFRRRTTVL GK-----KYT-CRQKNE-----KCT
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NP_507680.1 CKVCGDTGNGMHFGAFTCRACAAFFRRAASR-----KFLR-----KCE
CAE17952.1 CKVCGDTGNGMHFGAFTCRACAAFFRRAASR-----KFLR-----KCE
CAE56100.1 CSVCPPEPGNGMHFGAYTCRACAAFFRRAAPR-----NSSK-----KCK
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T43356 CEVCGDKTSGRHFGVMSCRACAAFFRRAATW-----NLEKRICPNG-----TCH
T31792 CEVCGDKTSGRHFGVMSCRACAAFFRRAATW-----NLEKRICPNG-----TCH
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NP_503455.1 CRICFEKGHGYHFGVFSRACAAFFRRCHFLKE-----NRRRCRLSKG-----KCG
CAE74767.1 CSICSDKAEGYHFGAISCAACGAFFRRSVSDQK-----VYSCSNRQCN-----ITH
NP_501728.1 CSICSDKAEGYHFGAISCAACGAFFRRSVSDQK-----VYSCSNRQCS-----IVH
NP_510119.1 CKVCNEKTTGFNYGVQSCNACKMFFRRALDTPK-----VLK-CGRDGN-----CPT
CAE67969.1 CQVCYDSSAGTHFGVQVCSACTAFFRRRTVAKNH-----KYR-CKGNNT-----CE
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NP_730359.1 CPVCGDKVSGYHYGLLLTCECKGFFKRTVQNNK-----VYT-CVA-----ERSCH
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AAL55260.1	CLICGDEASGCHYGVLTCGSCKVFFKRAIEG-----HQNYLCAGRND-----C-
AAG42362.1	CLICGDEASGCHYGVLTCGSCKVFFKRAIEG-----QHNYLCAGRND-----C-
AAN63590.1	CLICSDEASGCHYGALTCGSCKVFFKRAIEG-----QHNYLCAGRND-----C-
BAA89539.1	CVICGDEASGCHYGVLTCGSCKVFFKRAVEG-----HHNYLCAGRND-----C-
BAC11011.1	CLICGDEASGCHYGVLTCGSCKVFFKRAMEG-----RKFKKFNKVR-----
GCR_SHEEP	CLVCSDEASGCHYGVLTCGSCKVFFKRAVEG-----QH-----
A34721	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
ANDR_PANTR	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
ANDR_HUMAN	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAA51775.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAA51780.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAD45921.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
B34721	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
NP_000035.2	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAA51735.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAA51770.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAA51771.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
ANDR_MACFA	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
ANDR_PAPHA	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAS19691.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAA51774.1	CLICGDKASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAM96904.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAG37994.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAG40566.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
ANDR_EULFC	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAQ84563.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
ANDR_CANFA	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAK51126.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
B40494	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
NP_036634.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAA40734.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
NP_038504.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
ANDR_RABIT	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAB28340.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAC97386.1	CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASRND-----C-
AAP85538.1	CLSCDEASGCHYEALTCGSCKVFFKRAAEG-----NQKYLCASRND-----C-
AAO61694.1	CMICSDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASKND-----C-
BAA33451.1	CLICSDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCASKND-----C-

AAG48340.1 CLICSDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCAASKND-----C-
 AAO83572.1 CLICSDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCAASKND-----C-
 AAO83573.1 CLICSDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCAASKND-----C-
 AAL92878.1 CLICSDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCAASKND-----C-
 BAB20082.1 CLICSDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCAASKND-----C-
 BAC98301.1 CLICSDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCAASKND-----C-
 BAA32784.1 CLICAEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCAASRND-----C-
 BAA32785.1 CLICADEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCAASRND-----C-
 BAA83805.1 CLICADEASGCHYGALTCGSCKVFFKRAAEG-----KQRYLCAASRND-----C-
 AAM09278.1 CLICSDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCAASRND-----C-
 BAA75464.1 CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCAASIND-----C-
 JG0194 CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYLCAASIND-----C-
 AAD25074.1 CQVCGDDASGCHYGAVTCGSCKVFFKRAAAG-----KQNHLCAASRND-----C-
 BAB20081.1 CQVCGDGASGCHYGAVTCGSCKVFFKRAAAG-----KQNHLCAASRND-----C-

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AAB48082.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 AAP82997.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 HN4A_HUMAN --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 JC6096 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 JC4937 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 JC4938 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 NP_000448.3 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 AAH39220.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 BAB03286.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 CAA54248.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 CAA61133.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 A36471 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 1705219A --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 NP_032287.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 NP_071516.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 NP_849180.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 NP_849181.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 AAH42224.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 HN4A_XENLA --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 AAH56550.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 NP_919349.1 --VDKDKRNQ---CR-YCR--LKKCFRA-----GMKKE-----A
 AAC02906.1 --VDKDKRNQ---CR-YCR--LKKCFR-----
 HN4B_XENLA --VDKDKRNQ---CR-YCR--LRKCFRA-----GMKKE-----A
 CAA89990.2 --VDKDKRNQ---CR-YCR--LRKCFRA-----GMKKE-----A
 HN4G_HUMAN --VDKDKRNQ---CR-YCR--LRKCFRA-----GMKKE-----A
 JC6095 --VDKDKRNQ---CR-YCR--LRKCFRA-----GMKKE-----A
 NP_004124.3 --VDKDKRNQ---CR-YCR--LRKCFRA-----GMKKE-----A
 NP_991380.1 --VDKDKRNQ---CR-YCR--LRKCFRA-----GMKKE-----A
 HN4G_MOUSE --VDKDKRNQ---CR-YCR--LRKCFRA-----GMKKE-----A
 NP_038948.1 --VDKDKRNQ---CR-YCR--LRKCFRA-----GMKKE-----A
 AAH54009.1 --VDKDKRNQ---CR-YCR--LRKCFRA-----K K K K K-----
 NP_991109.1 --VDKDKRNQ---CR-YCR--LRKCFRA-----GMRKE-----A
 AAB93762.1 --VDKDKRNQ---CR-YCR--LRKCFKA-----GMKKE-----A
 AAB93763.1 --VDKDKRNQ---CR-YCR--LRKCFKA-----GMKKE-----A
 NP_723413.1 --VDKDKRNQ---CR-YCR--LRKCFKA-----GMKKE-----A
 S36218 --VDKDKRNQ---CR-YCR--LRKCFKA-----GMKKE-----A
 NP_723414.1 --VDKDKRNQ---CR-YCR--LRKCFKA-----GMKKE-----A
 NP_476887.2 --VDKDKRNQ---CR-YCR--LRKCFKA-----GMKKE-----A
 AAC72723.1 --VDKDKRNQ---CR-YCR--LRKCFKA-----GMKKE-----A
 AAC72724.1 --VDKDKRNQ---CR-YCR--LRKCFKA-----GMKKE-----A
 AAO39177.1 --VDKAKRNS---CR-KCR--FDVCLRK-----GMRRD-----A

NP_491103.1	--VDKAKRNS---CR-KCR--FDVCLRK-----GMRRD-----A
CAE60575.1	--VDKAKRNS---CR-KCR--FDVCIRK-----GMKRD-----A
NP_492615.2	--VTKNKRNA---CR-ACR--LQKCVKA-----GMKSN-----A
T25211	--VTKNKRNA---CR-ACR--LQKCVKA-----GMKSN-----A
CAE60269.1	--VTRNKRNA---CR-ACR--LQKCVKA-----GMKSN-----A
AAG15130.1	--IDKHNRAV---CR-YCR--FMKCISS-----GMRDD-----Q
NH35_CAEEEL	--IDKHNRAV---CR-YCR--FMKCISS-----GMRDD-----Q
NP_508779.3	--IDKHNRAV---CR-YCR--FMKCISS-----GMRDD-----Q
T34093	--IDKHNRAV---CR-YCR--FMKCISS-----GMRDD-----Q
CAE68607.1	--IDKHNRAV---CR-YCR--FMKCIAS-----GMRDD-----Q
NP_496066.2	--VTTMARKA---CR-ACR--YRKCLLES-----GMSKE-----A
T20416	--VTTMARKA---CR-ACR--YRKCLLES-----GMSKE-----A
CAE56399.1	--TTTMARKA---CR-ACR--YRKCLLES-----GMSKE-----A
NP_492612.1	--IDKNFRCA---CR-YCR--FQKCVQV-----GMKRE-----A
NP_492613.1	--IDKNFRCA---CR-YCR--FQKCVQV-----GMKRE-----A
NP_871798.1	--IDKNFRCA---CR-YCR--FQKCVQV-----GMKRE-----A
NP_871799.1	--IDKNFRCA---CR-YCR--FQKCVQV-----GMKRE-----A
AAK17977.1	--IDKNFRCA---CR-YCR--FQKCVQV-----GMKRE-----A
AAG15141.1	--IDKNFRCA---CR-YCR--FQKCVQV-----GMKRE-----A
AAG15143.1	--IDKNFRCA---CR-YCR--FQKCVQV-----GMKRE-----A
CAE60267.1	--IDKNFRCA---CR-YCR--FQKCVQV-----GMKRE-----A
AAP13776.1	--IDKDHRNA---CR-YCR--FQKCLAD-----GMKPE-----A
CAE74907.1	--IDKDHRNA---CR-YCR--FQKCLAD-----GMKPE-----A
H89591	--IDKDHRNA---CR-YCR--FQKCLAD-----GMKPE-----A
NH14_CAEEEL	--IDKDHRNA---CR-YCR--FQKCLAD-----GMKPE-----A
NP_741860.1	--IDKDHRNA---CR-YCR--FQKCLAD-----GMKPE-----A
NP_741861.1	--IDKDHRNA---CR-YCR--FQKCLAD-----GMKPE-----A
NP_509116.2	--FTKDFRCA---CR-ACR--FEKCVRV-----GMNPS-----A
T34118	--FTKDFRCA---CR-ACR--FEKCVRV-----GMNPS-----A
CAE65766.1	--FTKDFRCA---CR-ACR--FEKCVRV-----GMNPS-----A
CAE65768.1	NTLPKEKRCS---CR-SCR--FQKCEV-----GMNPY-----A
AAD31548.2	--VAKEQRNA---CR-SCR--LKECIKV-----GMNPR-----A
D88206	--VAKEQRNA---CR-SCR--LKECIKV-----GMNPR-----A
AAD03691.1	--VAKEQRNA---CR-SCR--LKECIKV-----GMNPR-----A
AAO38653.1	--VAKEQRNA---CR-SCR--LKECIKV-----GMNPR-----A
NP_495534.3	--VAKEQRNA---CR-SCR--LKECIKV-----GMNPR-----A
AAO38655.1	--VAKEQRNA---CR-SCR--LKECIKV-----GMNPR-----A
CAE67598.1	--VAKEQRNA---CR-ACR--LTTCLRV-----GMNPR-----A
AAG15158.1	--VAKEQRNA---CR-SCR--LTRCLDV-----GMNPR-----A
AAG15160.1	--VAKEQRNA---CR-SCR--LTRCLDV-----GMNPR-----A
NP_497073.1	--VAKEQRNA---CR-SCR--LTRCLDV-----GMNPR-----A
NP_497074.1	--VAKEQRNA---CR-SCR--LTRCLDV-----GMNPR-----A
CAE60603.1	--VAKEQRNA---CR-SCR--LAQCLKV-----GMNPR-----A
AAG15162.1	--IAKEHRNV---CR-ACR--LKQCFVA-----GMNPR-----A
AAG15163.1	--IAKEHRNV---CR-ACR--LKQCFVA-----GMNPR-----A
NP_492607.1	--IAKEHRNV---CR-ACR--LKQCFVA-----GMNPR-----A
T23558	--IAKEHRNV---CR-ACR--LKQCFVA-----GMNPR-----A
CAE60279.1	--IAKEHRNV---CR-ACR--LKQCFVA-----GMNPR-----A
NP_501775.1	--VVKEHRNV---CR-SCR--LKKCFEV-----GMNPD-----S
T21645	--VVKEHRNV---CR-SCR--LKKCFEV-----GMNPD-----S
CAE59975.1	--VVKEHRNV---CR-SCR--LKKCFEV-----GMNPD-----S
NP_510201.2	--VDKNARCA---CR-ACR--LAKCYAV-----GMDKK-----A
T23520	--VDKNARCA---CR-ACR--LAKCYAV-----GMDKK-----A
AAO39173.1	--VDKNARCA---CR-ACR--LAKCYAV-----GMDKK-----A
CAE61407.1	--VDKNARCA---CR-ACR--LAKCYAV-----GMDKK-----A
AAM69090.1	--VGKSVRCV---CR-SCR--LKKCFDM-----GMDPK-----A
NP_741729.1	--VGKSVRCV---CR-SCR--LKKCFDM-----GMDPK-----A

NH40_CAEEL	--VGKSVRCV---CR-SCR--LKKCFDM-----GMDPK-----A
CAE58853.1	--VGKSVRCV---CR-SCR--LKKCFDM-----GMDPK-----A
T16793	--VGKCDGSMR--LQ-KLS--AEKMLRY-----GNGSQ-----G
AAO39201.1	--VDKTIRCA---CR-YCR--FEKCLSV-----GMDRN-----A
AAO39202.1	--VDKTIRCA---CR-YCR--FEKCLSV-----GMDRN-----A
AAO39203.1	--VDKTIRCA---CR-YCR--FEKCLSV-----GMDRN-----A
AAO27833.1	--VDKTIRCA---CR-YCR--FEKCLSV-----GMDRN-----A
NP_504164.1	--VDKTIRCA---CR-YCR--FEKCLSV-----GMDRN-----A
CAE58326.1	--VDKTIRCA---CR-YCR--FEKCLNV-----GMDRN-----A
AAO39172.1	--VDKSIRCA---CR-HCR--FEKCLQV-----GMDRN-----A
NP_498554.1	--VDKSIRCA---CR-HCR--FEKCLQV-----GMDRN-----A
CAE70133.1	--VDKSVRCA---CR-HCR--FEKCLQV-----GMDRN-----A
AAO39181.1	--VDKSIRCA---CR-FCR--FEKCLKV-----GMDKT-----S
NP_505936.1	--VDKSIRCA---CR-FCR--FEKCLKV-----GMDKT-----S
CAE75338.1	--VDKSIRCA---CR-FCR--FEKCLKV-----GMDKA-----A
AAO39189.1	--VDKSIRCA---CR-FCR--FEKCIQV-----GMDKS-----A
NP_505935.2	--VDKSIRCA---CR-FCR--FEKCIQV-----GMDKS-----A
CAE75339.1	--VDRSIRCA---CR-YCR--FEKCLKV-----GMDRS-----A
NP_510834.2	--VNKNIRCA---CR-HCR--FNKCLLV-----GMDAK-----A
T28881	--VNKNIRCA---CR-HCR--FNKCLLV-----GMDAK-----A
AAP46279.1	--VNKNIRCA---CR-HCR--FNKCLLV-----GMDAK-----A
AAO39167.1	--VNKNIRCA---CR-HCR--FNKCLLV-----GMDAK-----A
CAE58689.1	--VNKNIRCA---CR-HCR--FNKCLLV-----GMDAK-----A
AAO39170.1	--VNKNIRCA---CR-HCR--FNKCLLV-----GMDAKALQI-----PA
AAP46278.1	--VNKNIRCA---CR-HCR--FNKCLLV-----GMDAKALQI-----PA
NHR1_CAEEL	--VNKNIRCA---CR-HCR--FNKCLLV-----GMDAKALQI-----PA
NP_504455.1	--VNKGVRCA---CR-YCR--LQKCLAV-----GMDKNS-----
T33174	--VNKGVRCA---CR-YCR--LQKCLAV-----GMDKNS-----
G89050	--VNKGVRCA---CR-YCR--LQKCLAV-----GMDKNS-----
CAE64622.1	--VNKGVRCA---CR-ACR--LQKCLAV-----GMDTNS-----
NP_504453.1	--VNKGVRCA---CR-YCR--LQKCLAV-----GMDKN-----
CAE57227.1	--IDKSMRCS---CR-HCR--YKKCIA-----GMDRA-----E
NP_510115.1	--IDKSMRCS---CR-HCR--YKKCIA-----GMDRG-----E
AAG15127.1	--VDKFQRNS---CR-YCR--FQRCIQA-----GMDPK-----A
NP_741456.1	--VDKFQRNS---CR-YCR--FQRCIQA-----GMDPK-----A
AAG15128.1	--VDKFQRNS---CR-YCR--FQRCIQA-----GMDPK-----A
CAE70940.1	--VDKYQRNS---CR-FCR--FERCIQA-----GMDPK-----A
AAM81108.1	--VDKYFNVV---FK-----QEWIQK-----
CAE72428.1	--VDRHERNS---C---S---SFLF-EN-----LLYPK-----I
NP_494368.1	--VDRHERNS---CR-FFS--NFLFLKN-----FLIPK-----
CAE62036.1	--VTKFERNA---CR-YCR--FRKCLLV-----GMNPD-----Y
NP_502117.2	--VTKFERNA---CR-YCR--FRKCLLV-----GMNPD-----Y
AAG15179.1	--IDKDQRNA---CR-YCR--FQRCLTV-----GMEPE-----A
AAR30203.1	--IDKDQRNA---CR-YCR--FQRCLTV-----GMEPE-----A
AAO21381.1	--IDKDQRNA---CR-YCR--FQRCLTV-----GMEPE-----A
NP_494413.2	--IDKDQRNA---CR-YCR--FQRCLTV-----GMEPE-----A
CAE72436.1	--IDKDQRNA---CR-YCR--FQRCLNV-----GMEPD-----A
CAE63197.1	--IDKAGRNV---CR-SCR--FQKCLEV-----GMEPD-----A
NP_510423.1	--IDKAGRNV---CR-SCR--FQKCLEV-----GMEPD-----A
AAC24264.2	--IQKGTRNI---CR-ACR--YKKCLQV-----GMNVK-----G
NP_501348.1	--IQKGTRNI---CR-ACR--YKKCLQV-----GMNVK-----G
CAE70941.1	--IEKGTRNI---CR-ACR--YKKCLQV-----GMNVK-----D
AAG15129.1	--VVQEYRNR---CR-ACR--LRKCFTV-----GMDAR-----A
T22948	--VVQEYRNR---CR-ACR--LRKCFTV-----GMDAR-----A
NP_741480.1	--VVQEYRNR---CR-ACR--LRKCFTV-----GMDAR-----A
CAC70099.2	--VVQEYRNR---CR-ACR--LRKCFTV-----GMDAR-----A
CAE46673.1	--VVQEYRNR---CR-ACR--LRKCFTV-----GMDAR-----A

CAE74760.1	--IVQEYRNR---CR-ACR--LRKCFTV-----GMDAR-----A
CAC70072.3	--VLQQFRNR---CR-ACR--FNKCVMV-----GMDAR-----A
NP_501730.2	--VLQQFRNR---CR-ACR--FNKCVMV-----GMDAR-----A
CAE69003.1	--VSQVYRNR---CR-ACR--LQKCYSV-----GMDEK-----S
NP_501731.1	--IEFKYRNR---CR-ACR--LKRCLHV-----GMDAN-----A
T19540	--IEFKYRNR---CR-ACR--LKRCLHV-----GMDAN-----A
CAE69004.1	--IETKYRNR---CR-QCR--LKKCEAV-----GMDRE-----A
NP_504213.1	--IEHKYRNR---CR-ACR--LEKCFRA-----GMDAS-----A
AAD05225.1	--VDKTHRNO---CR-ACR--LAKCFQS-----AMNKD-----A
NP_477140.1	--VDKTHRNO---CR-ACR--LAKCFQS-----AMNKD-----A
XP_318587.1	--VDKTHRNO---CR-ACR--LSKCFQS-----AMNKD-----A
AAF71999.1	--IDKTHRNO---CR-ACR--LKKCQNV-----GMNKD-----A
AAF74116.1	--IDKTHRNO---CR-ACR--LKKCQNV-----GMNKD-----A
AAO39180.1	--VDKTHRNO---CR-ACR--LRKCLEI-----GMNKD-----A
NP_502094.1	--VDKTHRNO---CR-ACR--LRKCLEI-----GMNKD-----A
CAE62015.1	--VDKTHRNO---CR-ACR--LRKCLEI-----GMNKD-----A
B47265	--VDKTHRNO---CR-ACR--LRKCFEV-----GMNKD-----A
TLL_DROVI	--VDKTHRNO---CR-ACR--LRKCFEV-----GMNKD-----A
NP_524596.1	--VDKTHRNO---CR-ACR--LRKCFEV-----GMNKD-----A
XP_316782.1	--VDKTHRNO---CR-ACR--LKKCFEV-----GMNKD-----A
AAM61763.1	--VDKTHRNO---CR-ACR--LKKCLEV-----NMNKD-----A
NR21_ORYLA	--VDKTHRNO---CR-ACR--LKKCLEV-----NMNKD-----A
NR21_XENLA	--VDKTHRNO---CR-ACR--LKKCLEV-----NMNKD-----A
NP_003260.1	--VDKTHRNO---CR-ACR--LKKCLEV-----NMNKD-----A
NP_689415.1	--VDKTHRNO---CR-ACR--LKKCLEV-----NMNKD-----A
NP_990501.1	--VDKTHRNO---CR-ACR--LKKCLEV-----NMNKD-----A
AAF79295.1	--IDKTHRNO---CR-ACR--LKKCVQV-----DMNKD-----A
AAL29193.1	--VDKIHRNO---CR-SCR--LKKCFEV-----TMNKD-----A
NP_055064.1	--VDKAHRNO---CQ-ACR--LKKCLQA-----GMNQD-----A
NP_057430.1	--VDKAHRNO---CQ-ACR--LKKCLQA-----GMNQD-----A
NP_038736.1	--VDKAHRNO---CQ-ACR--LKKCLQA-----GMNQD-----A
AAF15392.2	--VDKAHRNO---CQ-ACR--LKKCLQA-----GMNQD-----A
NP_989925.1	--VDKAHRNO---CQ-ACR--LKKCLQA-----GMNKD-----A
NP_508547.1	--VDKAHRNO---CQ-ACR--LKKCLNK-----GMNKD-----A
T29238	--VDKAHRNO---CQ-ACR--LKKCLNK-----GMNKD-----A
CAE68391.1	--VDKAHRNO---CQ-ACR--LKKCLNK-----GMNKD-----A
NP_611032.1	--DFDGFVRV---GM-ALSPDLIK-VPP-----GQNKG-----R
XP_305999.1	-----
NP_725457.1	--VDKAHRNO---CQ-ACR--LKKCLQM-----GMNKD-----D
XP_319010.1	--VDKAHRNO---CQ-ACR--LKKCLTM-----GMNKD-----
XP_345117.1	---NQSLHSP---GE-AGP-----ATGRA-----V
CAE65008.1	--VDKGRRW---CP-ACR--LAKCTKL-----NMNRL-----A
NP_497579.1	--VDKGRRW---CP-ACR--LAKCTRL-----KMNRLG-----PA
NP_649647.1	--VDKARRNW---CP-SCR--FQRCLAV-----GMNAA-----A
XP_307951.1	--VDKARRNW---CP-FCR--LQKCFV-----GMNAA-----A
CAE70300.1	--IDVVRNO---CQ-SCR--FQKCLAV-----SMNRH-----A
XP_321796.1	--VDVSRNO---CQ-ACR--FAKCLQA-----NMRRE-----A
CAB05521.2	--IDKANRNR---CK-SCR--IKKCFKK-----GMNKN-----A
NP_507060.1	--IDKANRNR---CK-SCR--IKKCFKK-----GMNKN-----A
1411299B	-VIDKITRN---QCQ-LCR--FKKCIAV-----AMAMD-----L
CAA68539.1	-VIDKITRN---QCQ-LCR--FKKCIAV-----AMAMD-----L
AAH35137.1	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
TVRTAR	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
XP_126580.1	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
THA1_SHEEP	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
THA_MOUSE	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
THA_PIG	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L

S06410	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
S06907	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
S09178	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
S14417	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
S14418	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
NP_955366.1	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
NP_835161.1	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
CAA31237.1	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
CAA38899.1	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
CAA06701.1	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
CAB57886.1	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
NP_003241.2	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
NP_112396.1	-VIDKITRN---QCQ-LCR--FKKCIAV-----GMAMD-----L
QRMSA1	-VIDKITRN---HCQ-LCR--FKKCIAV-----GMAMD-----L
A44776	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
CAA36459.1	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
AAA42393.1	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
TVFVVR	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
AAA42397.1	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
AAA42398.1	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
ERBA_AVIER	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
CAA68260.1	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
CAA05310.1	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
THA_PYGAD	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
CAA28545.1	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
THA_CAIMO	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
CAA05339.1	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
NP_990644.1	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
THA_APTPA	-VIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
THAB_XENLA	-IIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
TVXLTA	-IIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
THA_RANCA	-IIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
THAA_XENLA	-IIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
B36067	-IIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
AAO47435.1	-IIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
THAA_PAROL	-IIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
THA_HIPHI	-IIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
BAD11772.1	-IIDKITRN---QCQ-LCR--FKKCIDV-----GMAMD-----L
NP_571471.1	-IIDKITRN---QCQ-LCR--FRKCIIV-----GMAMD-----L
THAB_PAROL	-IIDKITRN---QCQ-LCR--FKKCIIV-----GMAMD-----L
THA_SALSA	-IIDKITRN---QCQ-LCR--FRKCIIV-----GMAMD-----L
THB1_MOUSE	-IIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L
THB2_RAT	-IIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L
THB1_RAT	-IIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L
AAA40916.1	-IIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L
NP_036804.1	-IIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L
NP_033406.1	-IIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L
THB2_HUMAN	-VIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L
TVHUAR	-VIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L
NP_000452.2	-VIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L
2NLLB	-VIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L
CAB42095.1	-VIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L
THB1_SHEEP	-VIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L
NP_990778.1	-VIDKVTRN---QCQ-ECR--FKKCIFV-----GMATD-----L
TVCHTB	-VIDKVTRN---QCQ-ECR--FKKCIFV-----GMATD-----L
THB_CHICK	-VIDKVTRN---QCQ-ECR--FKKCIFV-----GMATD-----L
AAA49654.1	-VIDKVTRN---QCQ-ECR--FKKCIIV-----GMATD-----L

THBA_XENLA	-VIDKVTRN---QCQ-ECR--FKKCIAV-----GMATD-----L
AAL13127.1	-VIDKVTRN---QCQ-ECR--FKKCIAV-----GMATD-----L
THB_RANCA	-VIDKVTRN---QCQ-ECR--FKKCIAV-----GMATD-----L
D36067	-VIDKVTRN---QCQ-ECR--FKKCKTV-----GMATD-----L
THBB_XENLA	-VIDKVTRN---QCQ-ECR--FKKCKTV-----GMATD-----L
AAO47436.1	-VIDKVTRN---QCQ-ECR--FRKCTYV-----GMATD-----L
AAO62999.1	-VIDKVTRN---QCQ-ECR--FKKCTHV-----GMATD-----L
AAD38691.1	-IIDKVTRN---QCQ-ECR--FKKCIAV-----GMATD-----L
AAL06731.1	-IIDKVTRN---QCQ-ECR--FKKCIAV-----GMATD-----L
AAL06732.1	-IIDKVTRN---QCQ-ECR--FKKCIAV-----GMATD-----L
AAO86517.1	-VIDKVTRN---QCQ-ECR--FKKCIAV-----GMATD-----L
THB_PAROL	-VIDKVTRN---QCQ-ECR--FKKCIAV-----GMATD-----L
NP_571415.1	-VIDKVTRN---QCQ-ECR--FKKCIAV-----GMATD-----L
BAD11773.1	-VIDKVTRN---QCQ-ECR--FKKCIAV-----GMATD-----L
S06163	-VIDKITRN---QCQ-LCR--FKKCIAV-----GM-----
AAC42665.1	-QVNKVS RN---QCQ-MCR--YEKCIAT-----GMATD-----L
BAB68358.1	-QINKVS RN---QCQ-LCR--YKKCITT-----GMATD-----L
NHR1_ONCVO	-EISKIS RN---ICQ-FCR--FQKCLRN-----GMTKS-----L
AAF68669.1	-EINRQTRT---RCQ-ACR--YQQCLML-----ACHYD-----V
CAE72381.1	-EISRENR---ICQ-YCR--YQKCLQV-----GMTRDT-----L
1401244A	-VINKVTRN---RCQ-YCR--LQKCFEV-----GHSKE-----S
1408258A	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
RRB_HUMAN	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
NP_000956.2	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
CAA68398.1	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
CAA30262.1	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAL02361.1	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
RRB_MOUSE	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
NP_035373.1	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
CAA05769.1	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
1504304A	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
RRB_NOTVI	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
NP_990657.1	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
RRB_COTJA	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
S13512	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
CAA40615.1	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
CAA40616.1	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
A43786	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAB19628.1	-VINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAA60126.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAB00112.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
NP_000955.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAB00113.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAB19602.2	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAB29813.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAC33511.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAD05222.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAF65452.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
CAA29787.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
NP_113716.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
CAA05767.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
CAA05768.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
CAA71177.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAL02360.1	-IINKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
CAA40749.1	-IINKVTRN---RCQ-YCR--LQKCFDV-----GMSKE-----S
RRR_MOUSE	-IINKVTRN---RCQ-YCR--LQKCFDV-----GMSKE-----S
NP_033050.1	-IINKVTRN---RCQ-YCR--LQKCFDV-----GMSKE-----S

I50674	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
NP_989867.1	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
CAA55132.1	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
RRA_NOTVI	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
S78481	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAA50050.1	-I INKVTRN---RCQ-YCR--LQKCLEV-----GMSKE-----S
AAH49301.1	-I INKVTRN---RCQ-YCR--LQKCLEV-----GMSKE-----S
CAB43871.1	-I INKVTRN---RCQ-YCR--LQKCLEV-----GMSKE-----S
RRA_FUGRU	-I INKVTRN---RCQ-YCR--LQKCLEV-----GMSKE-----S
I51256	-I INKVTRN---RCQ-YCR--LQKCLEV-----GMSKE-----S
NP_571481.1	-I INKVTRN---RCQ-YCR--LQKCLEV-----GMSKE-----S
1DSZA	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
A41977	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
A56558	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
RRA_XENLA	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
B56558	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
CAB60726.1	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
RRG2_HUMAN	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
RRG2_MOUSE	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
A34714	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
NP_035374.2	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
AAH19098.2	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
AAH64524.1	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
NP_000957.1	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
AAH13709.1	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
XP_217064.2	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
AAL02362.1	-I INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
CAA52153.2	-Q INKVTRN---RCQ-FCR--LQKCFEV-----GMSKE-----A
A38592	-Q INKVTRN---RCQ-FCR--LQKCFQV-----GMSKE-----A
RRG_XENLA	-Q INKVTRN---RCQ-FCR--LQKCFQV-----GMSKE-----A
AAB47115.1	-Q INKVTRN---RCQ-FCR--LQKCFQV-----GMSKE-----A
AAB47116.1	-Q INKVTRN---RCQ-FCR--LQKCFQV-----GMSKE-----A
RRG_NOTVI	-Q INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
S06124	-Q INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
CAA49562.1	-Q INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
AAF80975.1	-Q INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
AAF80976.1	-Q INKVTRN---RCQ-YCR--LQKCFEV-----GMSKEVVAAA-----A
AAB59953.1	-Q INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
NP_571414.1	-Q INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
AAF80974.1	-Q INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----A
1HRA	-V INKVTRN---RCQ-YCR--LQKCFEV-----GMSKE-----S
AAM46149.1	-V INKVTRN---RCQ-FCR--LKKCFDV-----GMSKE-----S
BAA25569.1	-V INKSTRS---RCQ-YCR--LQKCFQV-----GMLKE-----S
A56856	-LIDRTSRN---RCQ-HCR--LQKCLAV-----GMSRD-----A
NP_002934.1	-LIDRTSRN---RCQ-HCR--LQKCLAV-----GMSRD-----A
XP_217192.2	-LIDRTSRN---RCQ-HCR--LQKCLAV-----GMSRD-----A
CAB05396.1	-LIDRTSRN---RCQ-HCR--LQKCLAV-----GMSRD-----A
BAA22970.1	-LIDRTSRN---RCQ-HCR--LQKCLAV-----GMSRD-----A
NP_038674.1	-LIDRTSRN---RCQ-HCR--LQKCLAV-----GMSRD-----A
NP_599022.1	-LIDRTSRN---RCQ-HCR--LQKCLAV-----GMSRD-----A
NP_599023.1	-LIDRTSRN---RCQ-HCR--LQKCLAV-----GMSRD-----A
NP_599024.1	-LIDRTSRN---RCQ-HCR--LQKCLAV-----GMSRD-----A
CAA69930.1	-LIDRTSRN---RCQ-HCR--LQKCLAV-----GMSRD-----A
AAH58269.1	-LIDRTNRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
NP_990424.1	-LIDRTNRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
CAD13276.1	-LIDRTNRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
XP_219749.2	-LIDRTNRN---RCQ-HCR--LQKCLAL-----GMSRD-----A

I65219	-LIDRTNRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
RORB_RAT	-LIDRTNRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
NP_008845.2	-LIDRTNRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
RORB_HUMAN	-LIDRTNRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
AAB02582.1	-PIDRTSRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
AAD46913.1	-PIDRTSRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
AAH14804.1	-PIDRTSRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
NP_035411.1	-PIDRTSRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
CAA10661.1	-PIDRTSRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
XP_227436.2	-PIDRTSRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
XP_347323.1	-PIDRTSRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
CAD38900.1	-PIDRTSRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
RORG_HUMAN	-PIDRTSRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
NP_005051.2	-PIDRTSRN---RCQ-HCR--LQKCLAL-----GMSRD-----A
AAB54059.1	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GMSRD-----A
AAC47163.1	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GMSRD-----A
AAF36970.1	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GMSRD-----A
NP_788301.1	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GMSRD-----A
NP_788302.1	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GMSRD-----A
NP_788303.1	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GMSRD-----A
XP_319750.1	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GMSRD-----A
AAK14384.2	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GMSRD-----A
HR3_GALME	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GMSRD-----A
AAK62804.1	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GMSRD-----A
HR3_MANSE	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GMSRD-----A
BAA89260.1	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GM-----
NP_740887.1	-VVDRVNRN---RCQ-YCR--LKKCIEL-----GMSRD-----A
NP_740888.1	-VVDRVNRN---RCQ-YCR--LKKCIEL-----GMSRD-----A
AAK17973.1	-VVDRVNRN---RCQ-YCR--LKKCIEL-----GMSRD-----A
I45067	-VVDRVNRN---RCQ-YCR--LKKCIEL-----GMSRD-----A
CAE74244.1	-IVDRVNRN---RCQ-YCR--LKKCIEL-----GMSRD-----A
T18848	-VVDRVNRN---RCQ-YCR--LKKCIEL-----GMSRD-----A
T30318	-VVDRVNRN---RCQ-YCR--LQKCLKL-----GMSRD-----
A30226	-SIVRINRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
NP_665718.1	-SIVRINRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
AAH62047.1	-SIVRINRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
NP_068370.1	-SIVRINRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
NP_663409.1	-SIVRINRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
CAB53540.1	-SIVRINRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
1HLZ	-SIVRINRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
1A6YB	-SIVRINRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
A57057	-SIMRMNRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
NRD2_HUMAN	-SIMRMNRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
NP_005117.2	-SIMRMNRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
AAC52144.1	-SIMRMNRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
NRD2_MOUSE	-SIMRMNRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
NP_035714.2	-SIMRMNRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
BAC35811.1	-SIMRMNRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
NP_990536.1	-SIMRMNRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
AAA62508.1	-SIMRMNRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
NRD2_RAT	-SIMRMNRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
CAA55014.1	-SIMRMNRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
NP_671743.1	-SIMRMNRN---RCQ-QCR--FKKCLSV-----GMSRD-----R
AAK76395.1	-TIVRINRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
AAK76396.1	-PIMRINRN---RCQ-QCR--FKKCLLV-----GMSRD-----A
AAQ91256.1	-TIMRINRN---RCQ-QCR--FKKCLSV-----GMSRD-----A
1A6YA	-SIVRINRN---RCQ-QCR--FKKCLSV-----GMSRD-----A

AAG01345.1	-SIVRINRN---RC-----	
AAL57047.1	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
AAL57048.1	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
E75_CHOFU	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
AAL57049.2	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
BAA89262.1	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
E75_MANSE	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
NP_730321.1	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
NP_730322.1	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
E75A_DROME	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
E75_GALME	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
AAC35424.1	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	
E75_METEN	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
AAS79101.1	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
E75C_DROME	-SILRINRN---RCQ-YCR--LKKCIAV-----GMSRD-----	A
AAB35575.1	-MIQRVNRRN---RCQ-YCR--LKKCIAV-----GM-----	
CAE63462.1	-LILRNNRN---RCQ-CCR--LKKCLAV-----GMSRD-----	A
NP_493284.1	-LILRNNRN---RCQ-CCR--LKKCLAV-----GMSRD-----	A
CAB61000.1	-EIKRESRN---RCQ-YCR--FKKCLDS-----GMSKD-----	S
I45066	-EIKRESRN---RCQ-YCR--FKKCLDS-----GMSKD-----	S
AAG15187.1	-EIKRESRN---RCQ-YCR--FKKCLDS-----GMSKD-----	S
NP_509713.2	-EIKRESRN---RCQ-YCR--FKKCLDS-----GMSKD-----	S
CAE70540.1	-EIRDRSRN---RCQ-YCR--FKKCLDA-----GMSKD-----	S
A49070	-LVIRLNRRN---RCQ-YCR--FKKCLSA-----GMSRD-----	S
AAA19975.1	-LVIRLNRRN---RCQ-YCR--FKKCLSA-----GMSRD-----	S
AAF69494.1	-LVIRLNRRN---RCQ-YCR--FKKCLSA-----GMSRD-----	S
NP_524195.2	-LVIRLNRRN---RCQ-YCR--FKKCLSA-----GMSRD-----	S
E78A_DROME	-LVIRLNRRN---RCQ-YCR--FKKCLSA-----GMSRD-----	S
CAA67384.1	-LVIRLNRRN---RCQ-YCR--FKKCLSA-----GMSRD-----	S
S43435	-LVIRLNRRN---RCQ-YCR--FKKCLSV-----GMR-----	
CAA51523.1	-LVIRLNRRN---RCQ-YCR--FKKCLSV-----GMK-----	
XP_316596.1	-LVIRLNRRN---RCQ-YCR--FKKCLSV-----GMSRD-----	S
AAK54127.1	-HIHRLNRRN---RCQ-FCR--FRKCLAV-----GMSRD-----	S
AAK54129.1	-HIHRLNRRN---RCQ-FCR--FRKCLAV-----GMSRD-----	S
AAF06997.1	-HIHRLNRRN---RCQ-FCR--FRKCLAV-----GMSRD-----	S
A45360	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
NP_803184.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
NP_006229.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
AAP36130.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
AAF73406.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
AAO34393.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
AAF81095.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSYN-----	A
BAA92682.1	-KIQKKNRRN---KCQ-HCR--FQKCLAL-----GMSHN-----	A
BAC78903.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
NP_990059.1	-KIQKKNRRN---KCQ-YCR--FQKCLSL-----GMSHN-----	A
AAA19972.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
NP_035275.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
AAC65985.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
NP_037273.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
CAC29088.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
AAL93239.1	-KVQKKSRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
AAP37029.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
AAA03332.1	-KIQKKNRRN---KCQ-YCR--FQKCLAL-----GMSHN-----	A
AAK76392.1	-KVQKKSRRN---KCQ-YCR--FQKCLAL-----GMSHD-----	A
CAC95232.1	-KIQKKSRRN---KCQ-YCR--FQKCLLL-----GMSHD-----	A
AAC39168.2	-KIQKKNRRN---K-----	
CAD62448.1	-KILKKNRRN---KCQ-YCR--FQKCLSL-----GMSHD-----	A

A49289	-KIQKKNRN---KCQ-YCR--FHKCLSV-----GMSHN-----A
AAH00052.1	-KIQKKNRN---KCQ-YCR--FHKCLSV-----GMSHN-----A
NP_005027.2	-KIQKKNRN---KCQ-YCR--FHKCLSV-----GMSHN-----A
CAA68898.1	-KIQKKNRN---KCQ-YCR--FHKCLSV-----GMSHN-----A
AAF73405.1	-KIQKKNRN---KCQ-YCR--FHKCLSV-----GMSNN-----A
CAA40856.1	-KIQKKNRN---KCQ-YCR--FHKCLSV-----GMSHN-----A
NP_035274.2	-KIQKKNRN---KCQ-YCR--FHKCLSV-----GMSHN-----A
CAD88282.1	-KIQKKNRN---KCQ-YCR--FHKCLSV-----GMSHN-----A
NP_037328.1	-KIQKKNRN---KCQ-YCR--FHKCLSV-----GMSHN-----A
AAF22965.1	-KIQKKNRN---KCQ-YCR--FHKCLSA-----GMSHN-----A
AAF73404.1	-KIQKKNRN---KCQ-YCR--FHKCLSA-----GMSHN-----A
PPAR_PHACI	-KIQKKNRN---KCQ-YCR--FQKCLSD-----GMSHN-----A
PPAR_CANFA	-KIQKKNRN---KCQ-YCR--FHKCLSV-----GMSHN-----A
CAA06917.1	-KIQKKNRN---KCQ-YCR--FHKCLSV-----GMSHN-----A
PPAR_CAVPO	-KIQKKNRN---KCQ-YCR--FHKCLSV-----GMSHN-----A
AAF80479.1	-KIQKKNRN---KCQ-YCR--FQKCLSV-----GMSHN-----A
AAH60004.1	-KIQKKNRN---KCQ-YCR--FEKCLNV-----GMSHN-----A
PPAR_XENLA	-KIQKKNRN---KCQ-YCR--FEKCLNV-----GMSHN-----A
CAD62447.1	-KILKKNRN---KCQ-YCR--FHKCLSV-----GMSHN-----A
PPAS_XENLA	-KIQKKNRN---KCQ-YCR--FNKCLSL-----GMSHN-----A
AAA19971.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAF80170.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAB87481.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAC52134.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAN15206.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
CAA62152.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAM88773.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAH21798.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
NP_851367.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
PPAT_PIG	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAO66458.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
CAB61263.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
CAA73032.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
CAA73382.2	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
PPAT_CRIGR	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
PPAT_MACMU	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
BAA23354.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
BAA32540.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
JE0279	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
JE0280	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
NP_005028.3	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
NP_035276.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
NP_037256.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
NP_056953.2	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAL05261.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAL05262.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAL05267.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
PPAT_RABIT	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAO19445.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAG60685.2	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAL87700.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMPHN-----A
CAB61238.1	-RIHKKGRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAN75018.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAC39169.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAO13014.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
AAA62110.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A
BAA18949.1	-RIHKKSRN---KCQ-YCR--FQKCLAV-----GMSHN-----A

AAH60474.1	-RIHKKSRN---KCQ-FCR--FQKCLAV-----GMSHN-----A
PPAT_XENLA	-RIHKKSRN---KCQ-FCR--FQKCLAV-----GMSHN-----A
CAC34402.1	-RIHKKSRN---KCQ-FCR--FQKCLAV-----GMSHN-----A
CAB51396.1	-RIHKKSRN---KCQ-YCR--FQKCLNV-----GMSHN-----A
CAB51618.2	-RIHKKSRN---KCQ-YCR--FQKCLNV-----GMSHN-----A
CAD62449.1	-RIHKKSRN---KCQ-YCR--FQKCLNV-----GMSHN-----A
CAC02968.1	-RIHKKSRN---KCQ-YCR--FQKCLLV-----GMSHD-----A
CAC02969.1	-RIHKKSRN---KCQ-YCR--FQKCLLV-----GMSHD-----A
CAC95230.1	-RIHKKSRN---KCQ-YCR--FQKCLLV-----GMSHD-----A
AAP79434.1	-RIHKKSRN---KCQ-YCR--FQ-----
NP_035435.1	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
NP_036937.1	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
AAB36777.1	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
AAC95154.1	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
NP_002948.1	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
AAH63827.1	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
AAG02188.1	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
C41977	-MIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
RXRA_XENLA	-MIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
NP_571292.2	-QIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
RXRA_BRARE	-QIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
1DSZB	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
2120366D	-MIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
NP_571228.1	-MIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
1RXR	-LIDKRQRN---RCQ-YCR--YQKALAM-----GMKRE-----A
NP_033133.1	-LIDKRQRN---RCQ-YCR--YQKCLVM-----GMKRE-----A
S26670	-LIDKRQRN---RCQ-YCR--YQKCLVM-----GMKRE-----A
AAB27245.1	-LIDKRQRN---RCQ-YCR--YQKCLVM-----GMKRE-----A
CAA11109.1	-LIDKRQRN---RCQ-YCR--YQKCLVM-----GMKRE-----A
XP_341152.1	-LIDKRQRN---RCQ-YCR--YQKCLVM-----GMKRE-----A
NP_008848.1	-LIDKRQRN---RCQ-YCR--YQKCLVM-----GMKRE-----A
NP_990625.1	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
RXRG_XENLA	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
CAD45002.1	-LVDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
NP_571313.1	-LVDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
BAB83838.1	-TVDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
CAA60792.1	-IVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
S47633	-IVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
1BY4	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
RXRB_RAT	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
XP_342096.1	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
S26669	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
NP_035436.1	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
CAE83933.1	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
D41727	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
AAH19432.1	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
A41651	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
A34418	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
AAA40081.2	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
NP_068811.1	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
S37781	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
AAL14642.1	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
AAA60293.1	-TVDKRQRN---RCQ-YCR--YQKCLAT-----GMKRE-----A
AAH54649.1	-LVDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----V
NP_571350.1	-LVDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----V
2NLLA	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GM-----
1R0NA	-LIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A

AAM18898.1	-VIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
AAM46151.1	-VIDKRQRN---RCQ-YCR--YQKCLAM-----GMKREDVQDQRQSGNSA
BAA82618.1	-VIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
CAA36827.1	-IIDKRQRN---RCQ-YCR--YQKCLTC-----GMKRE-----A
NP_476781.1	-IIDKRQRN---RCQ-YCR--YQKCLTC-----GMKRE-----A
A35872	-IIDKRQRN---RCQ-YCR--YQKCLTC-----GMKRE-----A
1R00	-IIDKRQRN---RCQ-YCR--YQKCLTC-----GMKRE-----A
AAG01569.1	-IIDKRQRN---RCQ-YCR--YQKCLAC-----GMKRE-----A
BAD12053.1	-IIDKRQRN---RCQ-YCR--YQKCLAC-----GMKRE-----A
AAC15589.1	-VVDKRQRN---RCQ-YCR--YQKCLMC-----GMKRE-----A
AAM54495.1	-IIDKRQRN---RCQ-YCR--YQKCLAC-----GMKRE-----A
USP_MANSE	-IIDKRQRN---RCQ-YCR--YQKCLAC-----GMKRE-----A
BAC53670.1	-IIDKRQRN---RCQ-YCR--YQKCLAC-----GMKRE-----A
USP_BOMMO	-IIDKRQRN---RCQ-YCR--YQKCLAC-----GMKRE-----A
AAM54497.1	-IIDKRQRN---RCQ-YCR--YQKCLAC-----GMKRE-----A
USP_CHOFU	-IIDKRQRN---RCQ-YCR--YQKCLAC-----GMKRE-----A
AAB35576.1	-VIDKKQRN---RCQ-YCR--YQKCLNC-----GM-----
AAC03056.1	-VIDKKQRN---RCQ-YCR--YQKCLNC-----GMKRE-----A
AAC15588.1	-IIDKRQRN---RCQ-YCR--YQKCLAC-----GMKRE-----A
CAB75361.1	-IIDKRQRN---RCQ-YCR--YQKCLNM-----GMKRE-----A
AAF00981.1	-IIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
AAQ55293.1	-IIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
AAF73057.1	-IIDKRQRN---RCQ-YCR--YQKCLAM-----GMKRE-----A
AAC32789.2	-TIDKRQRN---RCQ-YCR--YQKCLTM-----GMKRE-----A
AAL86461.1	-MIDKRQRN---RCQ-YCR--YMKCLSM-----GMKRE-----A
AAG24886.1	-TIDKRQRN---RCQ-YCR--YQKCLAC-----GMKRE-----A
AAG24887.1	-TIDKRQRN---RCQ-YCR--YQKCLAC-----GMKRE-----A
AAF19033.1	-TIDKRQRN---RCL-YCR--YQKCLAC-----GMKRE-----A
XP_320944.1	-TIDKRQRN---RCQ-YCR--YQKCLAC-----GMKRE-----A
AAM08268.1	-IIDKRQRN---RCQ-YCR--YRKCQSM-----GMKRE-----A
AAD33428.1	-QIDKRLRN---RCQ-YCR--YQKCLRA-----GMRRE-----A
AAD45325.1	-QIDKRLRN---RCQ-YCR--YQKCLRA-----GMRRE-----A
AAD16119.1	-PVDRRKRT---RCQ-HCR--FEQCLAK-----GMKKE-----A
AAL29199.1	-QIDKNNRI---RCQ-FCR--FQKCLSL-----GMLKE-----A
AAL29194.1	-EVNQISRN---RCQ-YCR--FNKCLAQ-----GMLKE-----A
AAA36763.1	-PVDKRRRN---RCQ-FCR--FQKCLAV-----GMVKE-----V
NR41_CANFA	-PVDKRRRN---RCQ-FCR--FQKCLAV-----GMVKE-----V
NP_002126.2	-PVDKRRRN---RCQ-FCR--FQKCLAV-----GMVKE-----V
AAP36590.1	-PVDKRRRN---RCQ-FCR--FQKCLAV-----GMVKE-----V
NP_034574.1	-PVDKRRRN---RCQ-FCR--FQKCLAV-----GMVKE-----V
NR41_RAT	-PVDKRRRN---RCQ-FCR--FQKCLAV-----GMVKE-----V
NP_077364.1	-PVDKRRRN---RCQ-FCR--FQKCLAV-----GMVKE-----V
CAA42718.1	-PVDKRRRN---RCQ-FCR--FQKCLAV-----GMVKE-----V
1CIT	-PVDKRRRN---RCQ-FCR--FQKCLAV-----GMVKE-----V
AAH56025.1	-PVDKRRRN---RCQ-FCR--FQKCLAV-----GMVKE-----V
NR42_XENLA	-PVDKRRRN---RCQ-FCR--FQKCLVV-----GMVKE-----V
NP_006177.1	-PVDKRRRN---RCQ-YCR--FQKCLAV-----GMVKE-----V
NP_775263.1	-PVDKRRRN---RCQ-YCR--FQKCLAV-----GMVKE-----V
NP_775264.1	-PVDKRRRN---RCQ-YCR--FQKCLAV-----GMVKE-----V
NP_775265.1	-PVDKRRRN---RCQ-YCR--FQKCLAV-----GMVKE-----V
AAB33999.1	-PVDKRRRN---RCQ-YCR--FQKCLAV-----GMVKE-----V
NP_038641.1	-PVDKRRRN---RCQ-YCR--FQKCLAV-----GMVKE-----V
NP_062201.2	-PVDKRRRN---RCQ-YCR--FQKCLAV-----GMVKE-----V
NR42_RAT	-PVDKRRRN---RCQ-YCR--FQKCLAV-----GMVKE-----V
I84692	-PVDKRRRN---RCQ-YCR--FQKCLAV-----GMVKE-----V
AAC53154.1	-PVDKRRRN---RCQ-YCR--FQKCLAV-----GMVKE-----V
BAA75461.1	-PVDKRRRN---RCQ-YCR--FQKCLAV-----GMVKE-----V

AAA42058.1 -PVDKRRRN---RCQ-YCR--FQKCLAV-----GMVKE-----V
CAC27783.1 -PVDKRRRN---RCQ-FCR--FQKCLVV-----GMVRE-----V
NP_008912.2 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
NP_056558.1 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
NP_059048.1 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
NP_113816.1 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
NP_775291.1 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
NP_775292.1 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
NR43_HUMAN -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
S71930 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
BAA11419.1 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
CAA09763.1 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
CAA09764.1 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
AAF05623.1 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
AAB36006.1 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
AAB02581.1 -PVDKRRRN---RCQ-YCR--FQKCLSV-----GMVKE-----V
CAA05172.1 -PVDKRRRN---RCQ-FCR--FQKCLVV-----GMVKE-----V
NP_788079.1 -PVDKRRRN---RCQ-FCR--FQKCLVV-----GMVKE-----V
CAA75690.1 -PVDKRRRN---RCQ-FCR--FQKCLVV-----GMVKE-----V
HR38_DROME -PVDKRRRN---RCQ-FCR--FQKCLVV-----GMVKE-----V
NP_477119.1 -PVDKRRRN---RCQ-FCR--FQKCLVV-----GMVKE-----V
AAC46926.1 -PVDKRRRN---RCQ-FCR--FQKCLVV-----GMVKE-----V
S58238 -PVDKRRRN---RCQ-FCR--FQKCLVV-----GMVKE-----V
HR38_BOMMO -PVDKRRRN---RCQ-FCW--FQKCLAV-----GMVKE-----V
AAF23095.1 -PVDKRRRN---RCQ-FCR--FQKCLAV-----GMVKE-----V
XP_317123.1 -PVDKRRRN---RCQ-FCR--FQKCLAV-----GMVKE-----V
G88408 -PIDKRYRS---RCQ-YCR--YQKCLEV-----GMVKE-----I
NP_497731.1 -PIDKRYRS---RCQ-YCR--YQKCLEV-----GMVKE-----I
AAA96984.1 -PIDKRYRS---RCQ-YCR--YQKCLEV-----GMVKE-----I
AAG15119.1 -PIDKRYRS---RCQ-YCR--YQKCLEV-----GMVKE-----I
CAE64932.1 -PIDKRYRS---RCQ-YCR--FQKCLEV-----GMVKE-----I
AAC61752.1 -TIDKFRFS---RCQ-YCR--FQKCIAV-----GMVKE-----V
AAC80008.1 -DTDKKS RN---RCQ-YCR--FQKCVQV-----GMKPE-----A
CAD57002.1 -AIEKHTRN---RCQ-YCR--LQKCIAN-----GMRKE-----A
7UP2_DROME -PIDQHHRN---QCQ-YCR--LKKCLKM-----GMRRE-----A
NP_731681.1 -PIDQHHRN---QCQ-YCR--LKKCLKM-----GMRRE-----A
NP_524325.1 -PIDQHHRN---QCQ-YCR--LKKCLKM-----GMRRE-----A
AAG53940.1 -PIDQHHRN---QCQ-FCR--LRKCLKM-----GMRRE-----A
XP_312394.1 -PIDQHHRN---QCQ-FCR--LRKCLKM-----GMRRE-----A
BAB55582.1 -PIDQHHRN---QCQ-FCR--LRKCLKM-----GMRRE-----A
BAB88907.1 -PIDQHHRN---QCQ-FCR--LRKCLKM-----GMRRE-----G
AAA19853.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
AAH56574.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
XP_346612.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
NP_786998.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
AAD42224.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
NP_571255.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
NP_112392.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
NP_005645.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
NP_034281.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
CAA34277.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
AAA21479.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
NP_989752.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
NP_542956.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
NP_066285.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
CAA54096.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
AAP82999.1 -PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A

NP_776827.1	-PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
AAB37686.1	-PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
AAH44975.1	-PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
NP_571258.1	-PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
AAH56748.1	-PVDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
AAH65651.1	-PVDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----
AAO61416.1	-PIDQHHRN---QCQ-YCR--LKKCLKM-----GMRRE-----A
NP_571261.1	-PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----A
S20617	-PIDQHHRN---QCQ-YCR--LKKCLKV-----GMRRE-----
A46358	-PIDQHHRN---QCQ-YCR--LKKCLKM-----GMRRE-----A
AAL29200.1	-PIDQHHRN---QCQ-YCR--LRKCKMV-----GMRRE-----A
AAH02669.2	-QIDQHHRN---QCQ-YCR--LKKCFRV-----GMRKE-----A
NP_005225.2	-QIDQHHRN---QCQ-YCR--LKKCFRV-----GMRKE-----A
AAH63018.1	-QIDQHHRN---QCQ-YCR--LKKCFRV-----GMRKE-----A
S02709	-QIDQHHRN---QCQ-YCR--LKKCFRV-----GMRKE-----A
EAR2_MOUSE	-QIDQHHRN---QCQ-YCR--LKKCFRV-----GMRKE-----A
NP_034280.1	-QIDQHHRN---QCQ-YCR--LKKCFRV-----GMRKE-----A
AAH08138.1	-QIDQHHRN---QCQ-YCR--LKKCFRV-----GMRKE-----A
NP_620813.1	-QIDQHHRN---QCQ-YCR--LKKCFRV-----GMRKE-----A
AAH56043.1	-QIDQHHRN---QCQ-YCR--LKKCFRV-----GMRKE-----A
AAH65330.1	-QIDQHHRN---QCQ-YCR--LKKCFRV-----GMRKE-----A
AAH65332.1	-QIDQHHRN---QCQ-YCR--LKKCFRV-----GMRKE-----A
NP_492181.1	-AIDVQHRN---QCQ-YCR--LTKCIRM-----GMRKE-----G
AAL29198.1	-PVNKRYRN---SCQ-YCR--MKKCLRV-----GMKRE-----G
A36738	-IINKHHRN---RCQ-YCR--LQRCIAF-----GMKQD-----S
NP_003288.1	-IINKHHRN---RCQ-YCR--LQRCIAF-----GMKQD-----S
BAB60786.1	-IINKHHRN---RCQ-YCR--LQRCIAF-----GMKQD-----S
TR2_HUMAN	-IINKHHRN---RCQ-YCR--LQRCIAF-----GMKQD-----S
NP_665723.1	-IINKHHRN---RCQ-YCR--LQRCIAF-----GMKQD-----S
AAC53253.1	-VMNKHHRN---RCQ-YCR--LQRCIAF-----GMKQD-----S
NP_035759.2	-VINKHHRN---RCQ-YCR--LQRCIAF-----GMKQD-----S
AAC29502.1	-VINKHHRN---RCQ-YCR--LQRCIAF-----GMKQD-----S
NP_989455.1	-VINKHHRN---RCQ-YCR--LQRCIAF-----GMKQD-----S
AAB81178.1	-VINKHYRN---RCQ-YCR--LQRCMSL-----GMKQD-----S
AAB69281.1	-IINKHHRN---RCQ-YCR--LQRCIAL-----GMKQD-----S
NP_059019.1	-IINKHHRN---RCQ-FCR--LKKCLEM-----GMKME-----S
TR4_MOUSE	-IINKHHRN---RCQ-FCR--LKKCLEM-----GMKME-----S
I54075	-IINKHHRN---RCQ-FCR--LKKCLEM-----GMKME-----S
I59309	-IINKHHRN---RCQ-FCR--LKKCLEM-----GMKME-----S
NP_003289.2	-IINKHHRN---RCQ-FCR--LKKCLEM-----GMKME-----S
TR4_HUMAN	-IINKHHRN---RCQ-FCR--LKKCLEM-----GMKME-----S
AAH51670.1	-IINKHHRN---RCQ-FCR--LKKCLEM-----GMKME-----S
AAM46150.1	-PINKHHRN---RCQ-YCR--LQKCLSV-----GMRSE-----S
AAB19174.1	-QIIKHNRN---RCQ-YCR--LQKCLDM-----GMKSD-----S
AAB19176.1	-QIIKHNRN---RCQ-YCR--LQKCLDM-----GMK-----
AAQ55494.1	-PVTKFHRN---RCQ-YCR--LRKCLSM-----GMRSE-----S
AAQ55495.1	-PVTKFHRN---RCQ-YCR--LRKCLSM-----GMRSE-----S
NH41_CAEEEL	-PVTKFHRN---RCQ-YCR--LRKCLSM-----GMRSE-----S
AAC43032.1	-PVTKFHRN---RCQ-YCR--LRKCLTM-----GMRSE-----C
AAC46924.1	-EVTKHHRN---RCQ-FCR--LQKCLAS-----GMRSD-----S
NP_730636.1	-EVTKHHRN---RCQ-FCR--LQKCLAS-----GMRSD-----S
HR78_DROME	-EVTKHHRN---RCQ-FCR--LQKCLAS-----GMRSD-----S
NP_524203.2	-EVTKHHRN---RCQ-FCR--LQKCLAS-----GMR-----T
CAA06690.1	-EVTKHHRN---RCQ-YCR--LQKCLAC-----GMRSD-----S
XP_317069.1	-EVTKHHRN---RCQ-YCR--LQKCLAC-----GMRSD-----S
AAL83722.1	-EVTKHHRN---RCQ-YCR--LQKCLAC-----GMRSD-----
AAL29196.1	-PINKVHRN---RCQ-RCR--LKKCLTM-----GMKRE-----A

AAL29197.1	-PINKVHRN---RCQ-RCR--LKKCLTM-----GMKRE-----A
AAL29201.1	-PVDKVHRN---RCQ-RCR--LNKCLTM-----GMKKE-----A
AAH30600.1	-VMSRKQRN---RCQ-YCR--LLKCLQM-----GMNRK-----A
NP_201592.1	-VMSRKQRN---RCQ-YCR--LLKCLQM-----GMNRK-----A
NP_001480.2	-VMSRKQRN---RCQ-YCR--LLKCLQM-----GMNRK-----A
NP_034394.1	-VMSRKQRN---RCQ-YCR--LLKCLQM-----GMNRK-----A
NR61_HUMAN	-VMSRKQRN---RCQ-YCR--LLKCLQM-----GMNRK-----A
XP_342428.1	-VMSRKQRN---RCQ-YCR--LLKCLQM-----GMNRK-----A
NP_201591.1	-VMSRKQRN---RCQ-YCR--LLKCLQM-----GMNRK-----T
AAB06335.1	-VMSRKQRN---RCQ-YCR--LLKCLQM-----GMNRK-----A
NP_571331.1	-EMSRKQRN---RCQ-YCR--LLKCLQM-----GMNRK-----A
AAC60126.1	-VMSRKQRN---RCQ-YCR--LLKCLQM-----GMNRK-----A
CAE30390.1	-QMSRKQRN---RCQ-YCR--LQKCLQM-----GMNRK-----A
AAM95452.1	-VMSRK-----
AAL50350.1	-EITKAQRN---RCQ-YCR--FKKCIEQ-----GMVLQ-----A
AAM54498.1	-EITKAQRN---RCQ-YCR--FKKCIEQ-----GMVLQ-----A
AAD38900.1	-EITKAQRN---RCQ-YCR--FKKCIEQ-----GMVLQ-----A
CAA22836.1	-EITKAQRN---RCQ-YCR--FKKCIEQ-----GMVLQ-----A
NP_569967.2	-EITKAQRN---RCQ-YCR--FKKCIEQ-----GMVLQ-----A
NP_996331.1	-EITKAQRN---RCQ-YCR--FKKCIEQ-----GMVLQ-----A
XP_318161.1	-EITKAQRN---RCQ-YCR--FKKCIEQ-----GMVLQ-----A
CAA06670.1	-EITKAQRK---RCP-YCR--FKKCIEQ-----GMVLQ-----A
AAG15181.1	-EIDKQNRN---RCQ-SCR--FRKCISK-----GMLTE-----A
NP_510536.1	-EIDKQNRN---RCQ-SCR--FRKCISK-----GMLTE-----A
AAG15183.1	-EIDKQNRN---RCQ-SCR--FRKCISK-----GMLTE-----A
CAE63296.1	-EIDKQNRN---RCQ-SCR--FRKCISK-----GMLTE-----A
NP_491689.2	-AANRGVRT---RCQ-ACR--FAKCLAV-----GMNRD-----N
T34026	-AANRGVRT---RCQ-ACR--FAKCLAV-----GMNRD-----N
NHR2_CAEEEL	-AANRGVRT---RCQ-ACR--FAKCLAV-----GMNRD-----N
AAK17971.1	-AANRGVRT---RCQ-ACR--FAKCLAV-----GMNRD-----N
AAK17972.1	-AANRGVRT---RCQ-ACR--FAKCLAV-----GMNRD-----N
CAE60452.1	-TINRGIRT---RCQ-ACR--YARCLAV-----GMNKE-----S
1HCP	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAA58461.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGD-----
AAD31032.1	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAL82743.1	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1_SPAAU	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1_PAGMA	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAG44622.2	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAO66473.1	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
BAB85622.1	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAG48341.1	-TIDRNRK---SYQ-ACR--LRKCYEV-----GMMKGG-----
AAP72178.1	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
BAC76957.1	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1_ORYLA	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAR82891.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1_ORENI	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1_OREAU	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1_SHEEP	-TIDKNRRK---SCQ-ACR--LRKCY-----
NP_990514.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
QRCHE	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1_POEGU	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAN63674.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
BAB79436.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
BAD08348.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
1HCQ	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAD47137.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----

S64737	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAD52984.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
CAE45969.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
NP_000116.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1_HUMAN	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
CAC42096.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAK52104.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAS46251.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1_PIG	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1_HORSE	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
CAA43411.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
NP_036821.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
NP_031982.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1_MESAU	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAR23923.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
BAB79437.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAQ84782.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAQ84784.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
NP_988866.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1_XENLA	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAQ84783.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAK28730.1	-TIDKNRRK---SCQ-DCR--LRECYEV-----GMVIGG-----
AAC69548.1	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
ESR1 ICTPU	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
CAC37560.1	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
BAB16893.1	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
NP_694491.1	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
AAL12298.1	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMMKGG-----
CAB45140.1	-TMDRNRK---SCQ-ACR--LRKCYEV-----GMVKGG-----
ESR1_ONCMY	-TMDRNRK---SCQ-ACR--LRKCYEV-----GMVKGG-----
ESR1_SALSA	-TMDRNRK---SCQ-ACR--LRKCYEV-----GMVKGG-----
A37197	-TMDRNRK---SCQ-ACR--LRKCYEV-----GMVKGG-----
AAK20929.1	-TIDRNRK---SCQ-ACR--LRKCYEV-----GMVKG-----
AAB97424.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
JW0046	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
CAA05631.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
ESR2_RAT	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
NP_036886.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
BAA25431.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
ESR2_MOUSE	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
NP_034287.2	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
BAC35719.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
AAL15175.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
CAA03949.1	-TIDKNRRK---NCQ-ACR--LRKCYEV-----GMVKCG-----
ESR2_BOVIN	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
NP_776476.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
ESR2_SHEEP	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
CAC42097.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
AAC05751.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
S71400	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
AAC25603.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
AAC15234.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
AAD32580.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
NP_001428.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
AAK71318.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
ESR2_CALJA	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
AAK71317.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----

AAK15151.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
ESR2_PIG	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
ESR2_COTJA	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
NP_990125.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
ESR2_STUVU	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
AAD47637.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMVKCG-----
AAK77002.1	-TIDKNRRK---SCQ-ACR--LR-----
AAO39210.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
ESR2_MICUN	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
AAP72179.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
BAD02929.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
ESR2_ANGJA	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
CAC85356.1	-TIDKSRRK---SCQ-ACR--LRKCYEM-----GMMKCG-----
CAC85366.1	-TIDKSRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
ERB2_CARAU	-TIDKSRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
CAC93848.1	-TIDKSRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
NP_777287.1	-TIDKSRRK---SCQ-ACR--LRKCYEV-----DMMKCG-----
ESR2_ICTPU	-TIDKNRRK---SCQ-ACR--LRKCYEM-----GMMKCG-----
AAK16742.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
NP_851297.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
AAN60793.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
CAC93849.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
ERB1_CARAU	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
BAB91218.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
ESR2_ONCMY	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKCG-----
AAR92486.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMTKCG-----
AAL82742.1	-TIDKNRRK---SCQ-ACR--LHKCYNV-----GMTKCG-----
ESR2_SPAAU	-TIDKNRRK---SCQ-ACR--LHKCYNV-----GMTKCG-----
AAO39211.1	-TIDKNRRK---SCQ-ACR--LRKCNEV-----GMTKFG-----
ESR3_MICUN	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMTKCG-----
BAB85623.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMTKCG-----
ESR2_ORENI	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMTKCG-----
BAB79705.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMTKCG-----
AAK57823.1	-TIDKNRRK---SCQ-ACR--LRKCYEV-----GMMKSE-----
AAB97426.1	-IVRRQRSS---SEQ-VHC--LSKAKRN-----GGHAPR-----
AAB97427.1	-IVRRQRSS---SEQ-VHC--LSKAKRN-----GGHAPR-----
AAO89568.1	-----
AAA58462.1	-----
AAQ95045.1	-TIDKHRRK---SCQ-ACR--LRRCYEV-----GMNKGS-----
AAC05114.1	-----
XP_234426.2	-DTGRPPLVVHPLGL-AAG--GFLAYPA-----HRLELA-----
CAE68258.1	-ETLTQQLA---LGL-ECG--QFSPEKF-----EKFREQ-----
NP_500074.1	-DNLTNQMA---MGM-ECG--QYSAEFK-----EKISEQ-----
AAL68274.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
NP_724456.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
NP_724459.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
NP_724460.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
1R0NB	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
AAG02187.2	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
AAG46050.1	-EMDMYMRR---KCQ-ECR--LRKCLAV-----GMRPEC-----
ECR_LUCCU	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
CAA11907.1	-EMDMYMRR---KCQ-ECR--MKKCLAV-----GMRPEC-----
AAQ23183.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
ECR_AEDAE	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
AAF19032.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
ECR_CHITE	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
BAA07890.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----

ECR_BOMMO	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
AAA87340.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
BAC44997.1	-EMDMYM-----
AAC36491.2	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
AAC61596.2	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
BAC11713.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
BAC11714.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
AAR84611.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
AAM54494.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
AAM54496.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
ECR_HELVI	-EMDIYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
ECR_MANSE	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
AAB27699.1	-EMDMY-----
XP_320323.1	-EMDMYMRR---KCQ-ECR--LKKCLAV-----GMRPEC-----
AAB94565.1	-DIDMYMRR---KCQ-ECR--LKKCLSV-----GMRPEC-----
AAB94566.1	-DIDMYMRR---KCQ-ECR--LKKCLSV-----GMRPEC-----
AAB94567.1	-DIDMYMRR---KCQ-ECR--LKKCLSV-----GMRPEC-----
AAD19828.1	-EIDMYMRR---KCQ-ECR--LKKCLTV-----GMRPEC-----
CAA72296.1	-EIDMYMRR---KCQ-ECR--LKKCLSV-----GMRPEC-----
AAC33432.2	-EMDMYMRR---KCQ-ECR--LKKCLNV-----GMRPEC-----
AAH61668.1	-EMDMYMRR---KCQ-ECR--LKKCKAV-----GMLAEC-----
AAM33366.1	-EMDMYMRR---KCQ-ECR--LKKCKAV-----GMLAEC-----
AAM33367.1	-EMDMYMRR---KCQ-ECR--LKKCKAV-----GMLAEC-----
NP_941060.1	-EMDMYMRR---KCQ-ECR--LKKCKAV-----GMLAEC-----
NP_963913.1	-EMDMYMRR---KCQ-ECR--LKKCKAV-----GMLAEC-----
NP_963914.1	-EMDMYMRR---KCQ-ECR--LKKCKAV-----GMLAEC-----
NP_963915.1	-EMDMYMRR---KCQ-ECR--LKKCKAV-----GMLAEC-----
XP_227528.2	-EMDMYMRR---KCP-ECR--LKKCKAV-----GMLAEC-----
AAL57619.1	-EMDMYMRR---KCQ-ECR--LRKCKQM-----GMLAEC-----
NP_989444.1	-EMDMYMRR---KCQ-ECR--LRKCKQM-----GMLAEC-----
AAM53546.1	-VMDMYMRR---KCQ-ECR--LRKCKEM-----GMLAEC-----
AAM53548.1	-VMDMYMRR---KCQ-ECR--LRKCKEM-----GMLAEC-----
AAM53550.1	-VMDMYMRR---KCQ-ECR--LRKCKEM-----GMLAEC-----
CAE11874.1	-VMDMYMRR---KCQ-ECR--LRKCKEM-----GMLAEC-----
NP_005114.1	-VMDMYMRR---KCQ-ECR--LRKCKEM-----GMLAEC-----
NP_068513.1	-VMDMYMRR---KCQ-DCR--LRKCREM-----GMLAEC-----
AAM53547.1	-VMDMYMRR---KCQ-ECR--LRKCKEM-----GMLAEC-----
AAM53549.1	-VMDMYMRR---KCQ-ECR--LRKCKEM-----GMLAEC-----
AAM53551.1	-VMDMYMRR---KCQ-ECR--LRKCKEM-----GMLAEC-----
NRH4_HUMAN	-VMDMYMRR---KCQ-ECR--LRKCKEM-----GMLAEC-----
I49019	-VMDMYMRR---KCQ-ECR--LRKCREM-----GMLAEC-----
NRH4_MOUSE	-VMDMYMRR---KCQ-ECR--LRKCREM-----GMLAEC-----
I49020	-VMDMYMRR---KCQ-ECR--LRKCREM-----GMLAEC-----
NP_033134.1	-VMDMYMRR---KCQ-ECR--LRKCREM-----GMLAEC-----
AAM18081.2	-VMDMYMRR---KCQ-ECR--LRKCKEM-----GMLAEC-----
AAA58594.1	-QMDAFMRR---KCQ-QCR--LRKCKEA-----GMREQC-----
NP_009052.1	-QMDAFMRR---KCQ-QCR--LRKCKEA-----GMREQC-----
BAC36906.1	-QMDAFMRR---KCQ-LCR--LRKCKEA-----GMREQC-----
NP_033499.1	-QMDAFMRR---KCQ-LCR--LRKCKEA-----GMREQC-----
NP_113814.1	-QMDAFMRR---KCQ-LCR--LRKCKEA-----GMREQC-----
NRH2_RAT	-QMDAFMRR---KCQ-LCR--LRKCKEA-----GMREQC-----
AAD16050.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREEC-----
NP_038867.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREEC-----
NP_113815.1	-PMDTYMRR---KCQ-ECR--LRKCRHA-----GMREEC-----
AAO12508.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREEC-----
AAH08819.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREEC-----
NRH3_HUMAN	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREEC-----

AAH41172.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREEC-----
NP_005684.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREEC-----
AAO19584.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
AAO19585.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
AAO19595.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
AAO19583.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
AAO19586.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
AAO19587.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
AAO19588.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
AAO19590.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
AAO19591.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
AAO19592.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
AAO19594.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
CAD45182.1	-EMDMYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
NP_989873.1	-EMDMYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
AAO19593.1	-PMDTYMRR---KCQ-ECR--LRKCRQA-----GMREE-----
1KB2	ITKD-NRRH---CQ-ACR--LKRCVDI-----GMMKEF-----
AAK48863.1	ITKD-NRRH---CQ-ACR--LKRCVDI-----GMMKEF-----
VDR_BOVIN	ITKD-NRRH---CQ-ACR--LKRCVDI-----GMMKEF-----
NP_000367.1	ITKD-NRRH---CQ-ACR--LKRCVDI-----GMMKEF-----
NP_033530.2	ITKD-NRRH---CQ-ACR--LKRCVDI-----GMMKEF-----
VDR_MOUSE	ITKD-NRRH---CQ-ACR--LKRCVDI-----GMMKEF-----
NP_058754.1	ITKD-NRRH---CQ-ACR--LKRCVDI-----GMMKEF-----
NP_990429.1	ITKD-NRRH---CQ-ACR--LKRCVDI-----GMMKEF-----
VDR_COTJA	ITKD-NRRH---CQ-ACR--LKRCVDI-----GMMKEF-----
VDR_XENLA	ITKD-NRRH---CQ-SCR--LKRCVDI-----GMMKEF-----
A60912	ITKD-NRRH---CQ-ACR--LKRCVDI-----GMMK-----
JC7229	ITKD-NRRH---CQ-ACR--LKRCIDI-----GMMKEF-----
NP_570994.1	ITKD-NRRH---CQ-ACR--LKRCIDI-----GMMKEF-----
JC7230	ITKD-NRRH---CQ-ACR--LKRCVDI-----GMMREF-----
AAA61274.1	ITKD-NRRH---CQ-ACR--LKRCVDI-----GMM-----
AAP05810.1	ITKD-NRRH---CQ-ACR--LKRCRDI-----GMMKEL-----
CAB55489.1	ITRK-TRRQ---CQ-ACR--LRKCLES-----GMKNEM-----
CAB55490.1	ITRK-TRRQ---CQ-ACR--LRKCLES-----GMKNEM-----
CAB55492.1	ITRK-TRRQ---CQ-ACR--LRKCLES-----GMKNEM-----
CAB55493.1	ITRK-TRRQ---CQ-ACR--LRKCLES-----GMKNEM-----
NP_003880.3	ITRK-TRRQ---CQ-ACR--LRKCLES-----GMKKEM-----
NP_148934.1	ITRK-TRRQ---CQ-ACR--LRKCLES-----GMKKEM-----
NP_071285.1	ITRK-TRRQ---CQ-ACR--LRKCLES-----GMKKEM-----
AAM10633.1	ITRK-TRRQ---CQ-ACR--LRKCLES-----GMKKEM-----
NP_035066.1	ITRK-TRRQ---CQ-ACR--LRKCLES-----GMKKEM-----
NP_443212.1	ITRK-TRRQ---CQ-ACR--LRKCLES-----GMKKEM-----
BAB27404.1	ITRK-TRRQ---CQ-ACR--LRKCLES-----GMKKEM-----
AAD54426.1	ITRK-TRRQ---CQ-ACR--LRKCLES-----GMKKEM-----
AAH41187.1	INKS-NRRH---CQ-ACR--LKKCLDI-----GMRKEL-----
S41497	INKS-NRRH---CQ-ACR--LKKCLDI-----GMRKEL-----
JC7510	INKN-NRRH---CQ-ACR--LKKCLDI-----GMRKEL-----
AAC53350.1	VSKA-QRRH---CP-ACR--LQKCLNV-----GMRKDM-----
NP_033933.1	VSKA-QRRH---CP-ACR--LQKCLNV-----GMRKDM-----
BAC84956.1	VSKA-QRRH---CP-ACR--LQKCLNV-----GMRKDM-----
NP_075230.1	VSKA-QRRH---CP-ACR--LQKCLNV-----GMRKDM-----
AAM76230.1	VSKI-QRRH---CP-ACR--LQKCLDA-----GMRKDM-----
NP_005113.1	VSKT-QRRH---CP-ACR--LQKCLDA-----GMRKDM-----
BAD00038.1	VNKA-QRRH---CP-ACR--LQKCLDA-----GMKKEM-----
BAD00039.1	VNKA-QRRH---CP-ACR--LQKCLDA-----GMKKEM-----
NP_990033.1	ITKA-KRRQ---CQ-ACR--LQKCLDV-----GMRKDM-----
AAP31437.1	ITSA-SRKF---CQ-ACR--LNKCFAV-----GMNSEW-----

NP_741445.1	ITSA-SRKF----CQ-ACR--LNKCFAV-----GMNSEW-----
CAE61946.1	ITSA-SRKF----CQ-ACR--LNKCFAV-----GMSSEW-----
NP_509782.1	INSV-SRRF----CQ-KCR--LRKCFTV-----GMKKEW-----
NP_509784.1	INSV-SRRF----CQ-KCR--LRKCFTV-----GMKKEW-----
T20733	INSV-SRRF----CQ-KCR--LRKCFTV-----GMKKEW-----
CAE60812.1	INSV-SRRF----CQ-KCR--LRKCFTV-----GMKKEW-----
CAE63355.1	INMV-SRRF----CQ-RCR--LTKCFVSMFRKQNK-TDFLVGMKKEW-----
NH48 CAEEL	INMV-SRRF----CQ-RCR--LTKCFVSLAEKSHRLEELFVGMKKEW-----
NP_741940.1	INMV-SRRF----CQ-RCR--LTKCFAV-----GMKKEW-----
NP_524493.1	ITVV-TRRF----CQ-KCR--LRKCLDI-----GMKSEN-----
XP_313130.1	ITIV-TRRF----CQ-KCR--LEKCFRI-----GMKKEY-----
AAP21572.1	IDKK-NRTT----CK-ACR--LRKCYNV-----GMSKGG-----
KNIR_DROVI	IDKK-NRTT----CK-ACR--LRKCYNV-----GMSKGG-----
AAP12718.1	IDKK-NRTT----CK-ACR--LRKCYNV-----GMSKGG-----
NP_524187.1	IDKK-NRTT----CK-ACR--LRKCYNV-----GMSKGG-----
S01919	IDKK-NRTT----CK-ACR--LRKCYNV-----GMSKGG-----
CAF21851.1	INKK-NRTA----CK-ACR--LRKCLLV-----GMSKSG-----
NP_788552.1	INKK-NRTA----CK-ACR--LKKCLMV-----GMSKSG-----
EGON_DROME	INKK-NRTA----CK-ACR--LRKCLLV-----GMSKSG-----
NP_524206.1	INKK-NRTA----CK-ACR--LRKCLLV-----GMSKSG-----
AAG15123.1	IQKN-VRCM----CR-ACR--FTKCIAV-----GMRKSA-----
NP_510659.1	IQKN-VRCM----CR-ACR--FTKCIAV-----GMRKSA-----
T19202	IQKN-VRCM----CR-ACR--FTKCIAV-----GMRKSA-----
CAE69977.1	IQKN-VRCM----CR-ACR--FSKCMSV-----GMRKSA-----
AAG15170.1	ILST-IRCM----CR-ACR--FAKMAV-----GMKREA-----
NP_507636.1	ILST-IRCM----CR-ACR--FAKMAV-----GMKREA-----
AAG15171.1	ILST-IRCM----CR-ACR--FAKMAV-----GMKREA-----
AAG15172.1	ILST-IRCM----CR-ACR--FAKMAV-----GMKREA-----
CAE73281.1	ILST-IRCM----CR-ACR--YAKCLNV-----GMKKEA-----
AAG15175.1	ITAN-IRCM----CR-SCR--FAKCLEV-----GMNPAG-----
AAG15176.1	ITAN-IRCM----CR-SCR--FAKCLEV-----GMNPAG-----
AAG15177.1	ITAN-IRCM----CR-SCR--FAKCLEV-----GMNPAG-----
NP_503561.2	ITAN-IRCM----CR-SCR--FAKCLEV-----GMNPAG-----
CAE66792.1	IAAN-VRCM----CR-ACR--FTKCLEV-----GMNPAG-----
G88124	VTIN-IRCM----CR-ACR--YIKCIEV-----GMNPAG-----
NP_494785.1	VTIN-IRCM----CR-ACR--YIKCIEV-----GMNPAG-----
NP_494784.1	VTVN-IRCM----CR-ACR--YVKCIEV-----GMNPVG-----
F88124	VTVN-IRCM----CR-ACR--LTKCIEV-----GMNPVG-----
CAE60139.1	VTIN-IRCM----CR-SCR--FSKCLQV-----GMNPMG-----
NP_505589.1	VSSN-IRCM----CR-SCR--YDKCIEV-----GMNPEC-----
AAG15147.1	ILSN-VRNM----CR-ACR--YEKCLEV-----GMQRSS-----
AAG15148.1	ILSN-VRNM----CR-ACR--YEKCLEV-----GMQRSS-----
NP_741644.1	ILSN-VRNM----CR-ACR--YEKCLEV-----GMQRSS-----
CAE61044.1	ILSN-VRNM----CR-SCR--YEKCIDV-----GMKRSG-----
CAE64011.1	VNTI-VRSI----CK-FCR--LKKCFEV-----GMKSTS-----
NP_505588.1	INTI-IRSI----CK-SCR--LNKCLNL-----GMKRSC-----
AAG15132.1	VDTG-MRKL----CA-SCR--YDKCLKV-----GMRESA-----
NP_504771.1	VDTG-MRKL----CA-SCR--YDKCLKV-----GMRESA-----
CAE71986.1	VDTG-MRKL----CA-SCR--YDKCLKM-----GMRESA-----
CAE58238.1	THNQLLRRL----CP-SCR--YEKCVQI-----GMRTCA-----
NP_503460.1	LENQVLRRL----CA-KCR--YEKCVQV-----GMRTSA-----
CAE65524.1	LDTVVSRRRL----CP-FCR--YDKCLRI-----GMKTTA-----
CAE64776.1	TNNE-DRFN----CR-YCR--YQKCLSC-----GMTPEN-----
NP_505639.1	TNNE-DRFN----CR-YCR--YQKCLSN-----GMTPEST-----D-----
AAO39179.1	NHLI-FALK----CK-NCR--LQRCYEA-----GMSSEN-----FQFCRD
NP_507680.1	NHLI-FALK----CK-NCR--LQRCYEA-----GMSSEN-----FQFCRD
CAE17952.1	NHLI-FALK----CK-NCR--LQRCYEA-----GMSSEN-----FQFCRD

CAE56100.1	NHLK-FARK----	CR-FCR--LQKCYEA-----	GMNSESK-----	FPILSG
NP_503608.2	TSVN-GKFN----	CK-QCR--LKKCLDV-----	GMDTRR-----	
T43356	TSVN-GKFN----	CK-QCR--LKKCLDV-----	GMDTRR-----	
T31792	TSVN-GKFN----	CK-QCR--LKKCLDV-----	GMDTR-----	
CAE74995.1	LFKK-GCFT----	CK-FCR--LQKCFKV-----	GMSMET-----	
NP_503455.1	PNKN-GKWF----	CK-TCR--LERCFLR-----	GMTPSN-----	
CAE74767.1	DPTK-RGGS----	CR-FCR--FLKCVTS-----	GMMPQD-----	
NP_501728.1	DPTK-RGGS----	CR-FCR--FLKCVSS-----	GMMPQD-----	
NP_510119.1	IVLDSGESQ----	CR-FCR--FHKCIIV-----	GMIFLD-----	
CAE67969.1	VLST-VRKM----	CK-CCR--YAKCLAV-----	GMRKEG-----	
A42128	--IDKTQRKR---	CP-FCR--FQKCLTV-----	GMRLE-----	A
AAB28339.1	--IDKTQRKR---	CP-FCR--FQKCLTV-----	GMRLE-----	A
NP_620639.1	--IDKTQRKR---	CP-FCR--FQKCLTV-----	GMRLE-----	A
NP_776828.1	--IDKTQRKR---	CP-FCR--FQKCLTV-----	GMRLE-----	A
AAG24622.1	--IDKTQRKR---	CP-FCR--FQKCLTV-----	GMRLE-----	A
STF1_MOUSE	--IDKTQRKR---	CP-FCR--FQKCLTV-----	GMRLE-----	A
NP_004950.2	--IDKTQRKR---	CP-FCR--FQKCLTV-----	GMRLE-----	A
NP_445796.1	--IDKTQRKR---	CP-FCR--FQKCLTV-----	GMRLE-----	A
BAA19127.1	--IDKTQRKR---	CP-FCR--FQKCLTV-----	GMRLE-----	A
AAG35648.1	--IDKTLRKR---	CP-FCR--FQKCLTV-----	GMRLE-----	A
STF1_PIG	--IDKTQRKR---	CP-FCR--FQKCLTV-----	GMRLE-----	A
JC4972	--IDKTQRNR---	CP-FCR--FQKCLTV-----	GMRLE-----	A
AAD01975.1	--IDKTQRKR---	CP-YCR--FQKCLTV-----	GMRLE-----	A
AAK94918.1	--IDKTQRKR---	CP-YCR--FQKCLTV-----	GMRLE-----	A
BAA76713.1	--IDKTQRKR---	CP-YCR--FQKCLTV-----	GMRLE-----	A
NP_990408.1	--IDKTQRKC---	CP-YCR--FQKCLTV-----	GMRLE-----	A
AAK97659.1	--IDKTQRKR---	CP-YCR--FQKCLTV-----	GMRLE-----	A
AAM89250.1	--IDKTQRKR---	CP-FCR--FQKCLNV-----	GMRLE-----	A
AAO59489.1	--IDKTQRKR---	CP-FCR--FQKCLNV-----	GMRLE-----	A
BAA25269.1	--IDKTQRKR---	CP-FCR--FQKCLNV-----	GMRLE-----	A
BAA32394.1	--IDKTQRKR---	CP-FCR--FQKCLNV-----	GMRLE-----	A
BAC75890.1	--IDKTQRKR---	CP-FCR--FQKCLNV-----	GMRLE-----	A
AAS47030.1	--IDKTQRKR---	CP-YCR--FQKCLTV-----	GMRLE-----	A
BAA36789.1	--IDKTQRKR---	CP-YCR--FQKCLNV-----	GMRLE-----	A
AAG49004.1	--IDKTQRKR---	CP-FCR--FQKCLSV-----	GMRLE-----	A
AAG49005.1	--IDKTQRKR---	CP-FCR--FQKCLSV-----	GMRLE-----	A
NP_571869.1	--IDKTQRKR---	CP-FCR--FQKCLSV-----	GMRLE-----	A
A56543	--IDKTQRKR---	CP-YCR--FQKCLSV-----	GMRLE-----	A
AAA64285.1	--IDKTQRKR---	CP-YCR--FQKCLSV-----	GMRLE-----	A
AAA18357.1	--IDKTQRKR---	CP-YCR--FQKCLSV-----	GMRLE-----	A
AAO21918.1	--IDKTQRKR---	CP-YCR--FQKCLSL-----	GMRLE-----	A
AAK54449.1	--IDKTQRKR---	CP-YCR--FQKCLTV-----	GMRLE-----	A
NP_571538.1	--IDKTQRKR---	CP-YCR--FQKCLTV-----	GMRLE-----	A
AAD03155.1	--IDKTQRKR---	CP-YCR--FQKCLSV-----	GMRLE-----	A
AAD03248.1	--IDKTQRKR---	CP-YCR--FQKCLSV-----	GMRLE-----	A
AAG35649.1	--IDKTQRKR---	CP-YCR--FQKCLSV-----	GMRLE-----	A
BAA34092.1	--IDKTQRKR---	CP-YCR--FQKCLSV-----	GMRLE-----	A
NP_990409.1	--IDKTQRKR---	CP-YCR--FQKCLSV-----	GMRLE-----	A
NP_995582.1	--IDKTQRKR---	CP-YCR--FQKCLSV-----	GMRLE-----	A
NP_003813.1	--IDKTQRKR---	CP-YCR--FQKCLSV-----	GMRLE-----	A
BAA94077.1	--IDKTQRKR---	CP-YCR--FQKCLSV-----	GMRLE-----	A
BAA94078.1	--IDKTQRKR---	CP-YCR--FQKCLSV-----	GMRLE-----	A
AAC52645.1	--IDKTQRKR---	CP-YCR--FKKCIDV-----	GMRLE-----	A
BAA36340.1	--IDKTQRKR---	CP-YCR--FKKCIDV-----	GMRLE-----	A
NP_109601.1	--IDKTQRKR---	CP-YCR--FKKCIDV-----	GMRLE-----	A
NP_068510.1	--IDKTQRKR---	CP-YCR--FKKCIDV-----	GMRLE-----	A
AAQ72771.1	--IDITQRKR---	CP-FCR--FQKCLHV-----	GMRLE-----	A

T01791	--IDKTQRK-----P-FCR--FQKCLTV-----GMRLE-----
BAB18653.1	--IDKTQRKR---CP-FCR--FQKCLTV-----GMRLE-----
NP_524143.2	--IDKTQRKR---CP-YCR--FQKCLEV-----GMKLE-----A
NP_730359.1	--IDKTQRKR---CP-YCR--FQKCLEV-----GMKLE-----A
T13733	--IDKTQRKR---CP-YCR--FQKCLEV-----GMKLE-----A
AAA28915.1	--IDKTQRKR---CP-YCR--FQKCLEV-----GMKLE-----A
AAF82307.1	--IDKTQRKR---CP-YCR--FQKCLEV-----GMKLE-----A
XP_315680.1	--IDKTQRKR---CP-YCR--FQKCLEV-----GMKLE-----A
AA150351.1	--IDKTQRKR---CP-FCR--FQKCLDV-----GMKLE-----A
FTF1_BOMMO	--IDKTQRKR---CP-FCR--FQKCLDV-----GMKLE-----A
BAA01745.1	--IDKTQRKR---CP-FCR--FQKCLDV-----GMKLE-----A
AAD41899.1	--IDKTQRKR---CP-YCR--FQKCLEV-----GMKLE-----A
XP_315681.1	--IDKTQRKR---CP-YCR--FQKCLEV-----GMKLE-----G
AAF67038.1	--VDRTCRKR---CP-SCR--FQKCLTM-----GMKME-----A
AAF67040.1	--VDRTCRKR---CP-SCR--FQKCLTM-----GMKME-----A
NH25_CAEEEL	--VDRTCRKR---CP-SCR--FQKCLTM-----GMKME-----A
CAE70358.1	--VDRTCRKR---CP-SCR--FQKCLTM-----GMKME-----A
AAK19303.1	--MDLAQRKR---CP-YCR--FQKCVAV-----GMKKE-----A
FTFB_DROME	--VSISTRKK---CP-ACR--FEKCLQK-----GMKLE-----A
NP_476932.1	--VSISTRKK---CP-ACR--FEKCLQK-----GMKLE-----A
NP_476933.1	--VSISTRKK---CP-ACR--FEKCLQK-----GMKLE-----A
AAA28543.1	--VSISTRKK---CP-ACR--FEKCLQK-----GMKLE-----A
S33708	--VSISTRKK---CP-ACR--FEKCLQK-----GMKLE-----A
S33709	--VSISTRKK---CP-ACR--FEKCLQK-----GMKLE-----A
XP_310077.1	--VTIATRKK---CP-ACR--FEKCLQK-----GMKLE-----A
BAA34123.1	--VTVATRKK---CP-ACR--FDKCLGC-----GMKLE-----A
AAG49449.1	--INVASRKK---CP-ACR--FLKCVDK-----GMRIE-----A
AAG29619.1	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
NP_004443.2	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
ERR2_RAT	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
AAH44858.1	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
NP_036064.2	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
BAC27656.1	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
ERR2_MOUSE	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
1L01	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
AAS66635.1	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
AAH08218.1	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
NP_976081.1	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
AAH64700.1	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
NP_036065.1	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
BAA74855.2	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
AAQ93376.1	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
BAC41450.1	-EITKRRRK---SCQ-ACR--FMKCLKV-----GMLKEG-----
AAS66636.1	-EITKRRRK---SCQ-ACR--FMKCLTV-----GMMREG-----
AAB17015.1	-EITKRRRK---ACQ-ACR--FTKCLRV-----GMLKEG-----
AAH63795.1	-EITKRRRK---ACQ-ACR--FTKCLRV-----GMLKEG-----
ERR1_HUMAN	-EITKRRRK---ACQ-ACR--FTKCLRV-----GMLKEG-----
ERR1_MOUSE	-EITKRRRK---ACQ-ACR--FTKCLRV-----GMLKEG-----
A29345	-EITKRRRK---ACQ-ACR--FTKCLRV-----GMLKEG-----
XP_215174.2	-EITKRRRK---ACQ-ACR--FTKCLRV-----GMLKEG-----
NP_004442.3	-EITKRRRK---ACQ-ACR--FTKCLRV-----GMLKEG-----
NP_031979.1	-EITKRRRK---ACQ-ACR--FTKCLRV-----GMLKEG-----
AAS20260.1	-EITKRRRK---ACQ-ACR--FTKCLRV-----GMLKEG-----
AAS66634.1	-EITKRRRK---ACQ-ACR--FTKCLRV-----GMLKEG-----
AAS66637.1	-EITKRRRK---SCQ-ACR--FQKCLRA-----GMMREG-----
NP_648183.3	-EINKRRRK---ACQ-ACR--FQKCLLM-----GMLKEG-----
NP_729340.1	-EINKRRRK---ACQ-ACR--FQKCLLM-----GMLKEG-----

XP_321343.1	-EINKRRRK---ACQ-ACR--FRKCLLM-----GMLKEG-----
AAK01303.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
AAP48589.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
GCR_SAGOE	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
GCR_SAIBB	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
GCR_AOTNA	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
GCR_SAISC	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
1802363A	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
AAC34207.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
QRHUGB	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
NP_000167.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
CAE45716.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
AAA16603.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
AAF66595.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
GCR_PIG	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
CAC10271.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
GCR_TUPGB	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
AAO85271.2	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
GCR_RABIT	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
1R4R	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
A54273	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
GCR_CAVPO	-IIDKIRRE---NCP-ACR--YRKCLQAG-----MNLQA-----
AAB07866.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
NP_036708.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
AAL66772.2	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
AAL78956.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
GCR_RAT	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
CAA72938.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
CAA31738.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
NP_032199.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
CAA31739.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
1R4O	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
GCR_XENLA	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
S44047	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
CAA68545.1	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
1GLU	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
GCR_ONCMY	-IIDKIRRK---NCP-ACR--FRKCLQAG-----MNLEA-----
AAS48459.1	-IIDKIRRK---NCP-ACR--FRKCLQAG-----MNLEA-----
GCR_PAROL	-IIDKIRRK---NCP-ACR--FRKCLQAG-----MNLEA-----
AAM27889.1	-IIDKIRRK---NCP-ACR--FRKCLQAG-----MNLEA-----
AAM27888.1	-IIDKIRRK---NCP-ACR--FRKCLQAG-----MNLEA-----
1RGD	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
1GDC	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
AAR87479.1	-IIDKIRRK---NCP-ACR--FRKCLLAG-----MNLEA-----
AAM27887.1	-IIDKIRRK---NCP-ACR--FRKCLMAG-----MNLEA-----
AAK20930.1	-IIDKIRRK---NCP-ACR--LRKCIQAG-----MTLGA-----
AAA75575.1	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGA-----
MCR_XENLA	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGA-----
AAB35738.1	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGA-----
AAC63513.1	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGA-----
NP_000892.1	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGA-----
AAP48590.1	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGA-----
AAP48591.1	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGA-----
MCR_SAISC	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGA-----
NP_037263.1	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGA-----
XP_356093.1	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGA-----
MCR_MOUSE	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGA-----

MCR_TUPGB	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGA-----
AAM27890.1	-IIDKIRRK---NCP-ACR--VRKCLQAG-----MNLGA-----
1LAT	-IIDKIRRK---NCP-ACR--YRKCLQAG-----MNLEA-----
CAC67405.1	-IIDKIRRK---NCP-ACR--LQKCLQAG-----MNLGE-----
AAK20931.1	-IIDKIRRK---NCP-ACR--LRKCCQAG-----MVLGA-----
AAA49009.1	-----
AAA49010.1	-----
AAA49012.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
NP_990593.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
AAA49013.1	-IVDKIRRK---NCP-ACR--LRNCCQAG-----MVLGG-----
AAA49014.1	-IVDKIRRK---NCP-ACR--LRNCCQAG-----MVLGG-----
AAA60081.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
BAC11013.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
AAQ96833.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
QRHUP	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
PRGR_HUMAN	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
NP_000917.2	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
AAG09282.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
CAD89880.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
PRGR_SHEEP	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
PRGR_RABIT	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
BAC29608.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
NP_032855.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
BAC35662.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
NP_074038.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
XP_346819.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
AAK77950.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
BAB91074.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGGF-----
BAC06585.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGGF-----
BAC11012.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGGF-----
AAA49039.1	-IVDKIRRK---NCP-ACR--LRKCCQAG-----MVLGG-----
AAG01366.1	-IVDKIRRK---NCP-SCR--LRKCCQAG-----MVLGG-----
AAL55260.1	-IVDKIRRK---NCP-SCR--LRKCCQAG-----MVLGG-----
AAG42362.1	-IVDKIRRK---NCP-SCR--LRKCCQAG-----MVLGG-----
AAN63590.1	-IGDKIRRK---NCP-SCR--LRKCCQAG-----MVLGG-----
BAA89539.1	-IVDKIRRK---NCP-ACR--LRKCYQAG-----MILGG-----
BAC11011.1	-VVRALDAV---ALPQPVG--VPNESQA-----LSQR-----
GCR_SHEEP	-----
A34721	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
ANDR_PANTR	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
ANDR_HUMAN	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAA51775.1	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAA51780.1	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAD45921.1	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
B34721	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
NP_000035.2	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAA51735.1	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAA51770.1	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAA51771.1	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
ANDR_MACFA	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
ANDR_PAPHA	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAS19691.1	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAA51774.1	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAM96904.1	-TIDKFRRK---NCP-PCR--LRKCYEAG-----MTLGA-----
AAG37994.1	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAG40566.1	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
ANDR_EULFC	-TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----

AAQ84563.1 -TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
ANDR_CANFA -TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAK51126.1 -TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
B40494 -TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
NP_036634.1 -TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAA40734.1 -TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
NP_038504.1 -TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
ANDR_RABIT -TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAB28340.1 -TIDKFRRK---NCP-SCH--LRKCYEAG-----M-----
AAC97386.1 -TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAP85538.1 -TIDKFRRK---NCP-SCR--LRKCYEAG-----MTLGA-----
AAO61694.1 -TIDKLRRK---NCP-SCR--LRKCFEAG-----MTLGA-----
BAA33451.1 -TIDKLRRK---NCP-SCR--LRKCFEAG-----MTLGA-----
AAG48340.1 -TIDKLRRK---NCP-SCR--LKKCFEAG-----MTLGA-----
AAO83572.1 -TIDKLRRK---NCP-SCR--LKKCFEAG-----MTLGA-----
AAO83573.1 -TIDKLRRK---NCP-SCR--LKKCFEAG-----MTLGA-----
AAL92878.1 -TIDKLRRK---NCP-SCR--LKKCFEAG-----MTLGA-----
BAB20082.1 -TIDKLRRK---NCP-SCR--LKKCFEAG-----MTLGA-----
BAC98301.1 -TIDKLRRK---NCP-SCR--LKKCFEAG-----MTLGA-----
BAA32784.1 -TIDKLRRK---NCP-SCR--LRRCFEAG-----MTLGT-----
BAA32785.1 -TIDKLRRK---NCP-SCR--LRKCFEAG-----MTLGA-----
BAA83805.1 -TIDKLRRK---NCP-SCR--LKKCFEAG-----MTLGA-----
AAM09278.1 -TIDKLRRK---NCP-SCR--LRKCFEAG-----MTLGA-----
BAA75464.1 -TIDKLRRK---NCP-SCR--LKRCFAAG-----MTLGA-----
JG0194 -TIDKLRRK---NCP-SCR--LKRCFAAG-----MTLGA-----
AAD25074.1 -TIDKLRRK---NCA-SCR--LKRCFMSG-----MSLKG-----
BAB20081.1 -TIDKLRRK---NCA-SCR--LKRCFMSG-----MSLKG-----

AAB48082.1 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
AAP82997.1 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
HN4A_HUMAN VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
JC6096 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
JC4937 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
JC4938 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
NP_000448.3 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
AAH39220.1 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
BAB03286.1 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
CAA54248.1 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
CAA61133.1 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
A36471 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
1705219A VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
NP_032287.1 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
NP_071516.1 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
NP_849180.1 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
NP_849181.1 VQNE---RDRISTRSSYEDSSL---PSINALLQAEVL-----
AAH42224.1 VQNE---RDRISTRSSYEDSSL---PSINVLIQAEVL-----
HN4A_XENLA VQNE---RDRISTRSSYEDSSL---PSINVLIQAEVL-----
AAH56550.1 VQNE---RDRISTRSSYEDSSL---PSINALIQADVL-----
NP_919349.1 VQNE---RDRISTRSSYEDSSL---PSINALIQADVL-----
AAC02906.1 -----
HN4B_XENLA VQNE---RDRISMRRSSYEDNGS---LSINVLTQAEAM-----
CAA89990.2 VQNE---RDRISTRSTFDGSNI---PSINTLAQAEVR-----
HN4G_HUMAN VQNE---RDRISTRSTFDGSNI---PSINTLAQAEVR-----
JC6095 VQNE---RDRISTRSTFDGSNI---PSINTLAQAEVR-----
NP_004124.3 VQNE---RDRISTRSTFDGSNI---PSINTLAQAEVR-----
NP_991380.1 VQNE---RDRISTRSTFDGSNI---PSINTLAQAEVR-----

HN4G_MOUSE VQNE---RDRISTRSTYEGSNI---PSINTLAQAEVR-----
NP_038948.1 VQNE---RDRISTRSTYEGSNI---PSINTLAQAEVR-----
AAH54009.1 -----
NP_991109.1 VQNE---RDRISCRREN-QGVGT---LTIDVLMQAEAYT-----
AAB93762.1 VQNE---RDRINCRRPSYEEPTQANGLSVVSLINA-----
AAB93763.1 VQNE---RDRINCRRPSYEEPTQANGLSVVSLINA-----
NP_723413.1 VQNE---RDRISCRRTSNDDPDPGNGLSVISLVKA-----
S36218 VQNE---RDRISCRRTSNDDPDPGNGLSVISLVKA-----
NP_723414.1 VQNE---RDRISCRRTSNDDPDPGNGLSVISLVKA-----
NP_476887.2 VQNE---RDRISCRRTSNDDPDPGNGLSVISLVKA-----
AAC72723.1 VQNE---RDRISCRRTSNDDPDPGNGLSVISLVKA-----
AAC72724.1 VQNE---RDRISCRRTSNDDPDPGNGLSVISLVKA-----
AAO39177.1 VQTE---RDRIRPANPLSNGSNGG-IVPDDPLLDLTL-----
NP_491103.1 VQTE---RDRIRPANPLSNGSNGG-IVPDDPLLDLTL-----
CAE60575.1 VQTE---RDRIRPLNVFLNG----KLTEDPLLETLQRAE---
NP_492615.2 IQNE---RDAIGKRKKTGAEKE---DLIDQLVAAETL-----
T25211 IQNE---RDAIGKRKKTGAEKE---DLIDQLVAAETL-----
CAE60269.1 IQNE---RDAIGKRKKTPEGKE---DLIDQLVQAEQM-----
AAG15130.1 VQSE---RDVIGKREKKDNMKTY--CQDPTPRTSPEL-----
NH35_CAEEL VQSE---RDVIGKREKKDNMKTY--CQDPTPRTSPEL-----
NP_508779.3 VQSE---RDVIGKREKKDNMKTY--CQDPTPRTSPEL-----
T34093 VQSE---RDVIGKREKKDNMKTY--CQDPTPRTSPEL-----
CAE68607.1 VQSE---RDVIGKREKKDNVKTYT-AHDPTPRTSPE-----
NP_496066.2 LQPR---RDLIGCRRIRSRPSCS---TSTPTPPRPQVE-----
T20416 LQPR---RDLIGCRRIRSRPSCS---TSTPTPPRPQVE-----
CAE56399.1 LQPR---RDLIGCRRIRSRPSCS---HSTPTPPRAHIE-----
NP_492612.1 IQFE---RDPVGSPTSGASLNGT---PFKKDRSPGYEN-----
NP_492613.1 IQFE---RDPVGSPTSGASLNGT---PFKKDRSPGYEN-----
NP_871798.1 IQFE---RDPVGSPTSGASLNGT---PFKKDRSPGYEN-----
NP_871799.1 IQFE---RDPVGSPTSGASLNGT---PFKKDRSPGYEN-----
AAK17977.1 IQFE---RDPVGSPTSGASLNGT---PFKKDRSPGYEN-----
AAG15141.1 IQFE---RDPVGSPTSGASLNGT---PFKKDRSPGYEN-----
AAG15143.1 IQFE---RDPVGSPTSGASLNGT---PFKKDRSPGYEN-----
CAE60267.1 IQFE---RDPVGSPTGGNSLNGT---PFKKDRSPGYEN-----
AAP13776.1 IQNE---RDRIGSTKRRKRSGAN---SENNSDSEGTPS-----
CAE74907.1 IQNE---RDRIGSTKRRKRSGAN---SENNSDSEGTPS-----
H89591 IQNE---RDRIGSTKRRKRSGAN---SENNSDSEGTPS-----
NH14_CAEEL IQNE---RDRIGSTKRRKRSGAN---SENNSDSEGTPS-----
NP_741860.1 IQNE---RDRIGSTKRRKRSGAN---SENNSDSEGTPS-----
NP_741861.1 IQNE---RDRIGSTKRRKRSGAN---SENNSDSEGTPS-----
NP_509116.2 IQFP---SSKNHNEADDMDSGDE---DSNIQDDKSLAL-----
T34118 IQFP---SSKNHNEADDMDSGDE---DSNIQDDKSLAL-----
CAE65766.1 IQFPGAGTKQSHAEADEQDSADD---ESPGNGQEC-----
CAE65768.1 IQTN---DSLGNNAVVTKIVGKR---KNSADDSLPS-----
AAD31548.2 VQGD---IDTASTSSASP NLVSVEMHPYTKEVEECQ-----
D88206 VQGD---IDTASTSSASP NLVSVEMHPYTKEVEECQ-----
AAD03691.1 VQGD---IDTASTSSASP NLVSVEMHPYTKEVEECQ-----
AAO38653.1 VQGD---IDTASTSSASP NLVSVEMHPYTKEVEECQ-----
NP_495534.3 VQGD---IDTASTSSASP NLVSVEMHPYTKEVEECQ-----
AAO38655.1 VQGD---IDTASTSSASP NLVSVEMHPYTNFREVE-----
CAE67598.1 VQGD---TSDSASTSSSPNMVSYDSKIYTKAEACQ-----
AAG15158.1 VQGD---TVEDPEWDEEAMPETLSISTQTDALKVK-----
AAG15160.1 VQGD---TVEDPEWDEEAMPETLSISTQTDALKVK-----
NP_497073.1 VQGD---TVEDPEWDEEAMPETLSISTQTDALKVK-----
NP_497074.1 VQGD---TVEDPEWDEEAMPETLSISTQTDALKVK-----
CAE60603.1 VQGD---TPDFPEPMEMDEDSIADKETQTDLSEKL-----
AAG15162.1 VQSE---RVEREQNGSPNQ---IEEDDYKDLSSPDTCS-----

AAG15163.1 VQSE---RVEREQNGSPNQ---IEEDDYKDLSSPDTCS-----
NP_492607.1 VQSE---RVEREQNGSPNQ---IEEDDYKDLSSPDTCS-----
T23558 VQSE---RVEREQNGSPNQ---IEEDDYKDLSSPDTCS-----
CAE60279.1 VQS-----EREQKGS PDQNQDVEEDDYKDLSSPDTCS-----
NP_501775.1 VQNE---RDRNAKNGG-MG-GPMS SPTQSSLCKELTI-----
T21645 VQNE---RDRNAKNGG-MG-GPMS SPTQSSLCKELTI-----
CAE59975.1 VQNE---RDRNAKNGGGMGMGPMQSPIQITPSKES-----
NP_510201.2 VQPK---REVHTSNGSFDQ-NDPDYDLRLGGTRTSP-----
T23520 VQPK---REVHTSNGSFDQ-NDPDYDLRLGGTRTSP-----
AAO39173.1 VQPK---REVHTSNGSFDQ-NDPDYDLRLGGTRTSP-----
CAE61407.1 VQPK---REVVT SNGSFDQ-NDQDYE-RLGGTTTSPN-----
AAM69090.1 IQHD---RDKIR-YTKALKKKKREEEKRLKEMVIKED-----
NP_741729.1 IQHD---RDKIR-YTKALKKKKREEEKRLKEMVIKED-----
NH40_CAEEEL IQHD---RDKIR-YTKALKKKKREEEKREEMHAMLID-----
CAE58853.1 IQHD---RDKIR-YTKALKKKKREEEKREEMHAMLID-----
T16793 YRSN---MIETKSDIRKLSKRNGKKNENDHHSY-----
AAO39201.1 LQQN---RDPIG-YTKRTRR--PKKELKTTSDCSSDEG-----
AAO39202.1 LQQN---RDPIG-YTKRTRR--PKKELKTTSDCSSDEG-----
AAO39203.1 LQQN---RDPIG-YTKRTRR--PKKELKTTSDCSSDEG-----
AAO27833.1 LQQN---RDPIG-YTKRTRR--PKKELKTTSDCSSDEG-----
NP_504164.1 LQQN---RDPIG-YTKRTRR--PKKELKTTSDCSSDEG-----
CAE58326.1 LQQS---RDPIG-YTKRTRR--PKKEMKNVEGSSDESS-----
AAO39172.1 IQQN---RDPIG-YTKRTRRYPPIKKVEASDECSPA-----
NP_498554.1 IQQN---RDPIG-YTKRTRRYPPIKKVEASDECSPA-----
CAE70133.1 IQQN---RDPIG-YTKRTRRYPPVKKIEASEECSPS-----
AAO39181.1 LQAS---RDPIG-YTKRNKK--TLRHPMNELSGDESNS-----
NP_505936.1 LQAS---RDPIG-YTKRNKK--TLRHPMNELSGDESNS-----
CAE75338.1 LQAS---RDPIG-YTKRTRK--PEFQPANSINSDENN-----
AAO39189.1 LQAS---RDRIG-YTKRTRK--PKTKDVSFSSSEMSP-----
NP_505935.2 LQAS---RDRIG-YTKRTRK--PKTKDVSFSSSEMSP-----
CAE75339.1 LQAS---RDRIG-YTKRTRK--PKRKEVSFSSSEMSP-----
NP_510834.2 IQND---RDRIG-PTKKIKMSSGSDDEQATTPHRLQ-----
T28881 IQND---RDRIG-PTKKIKMSSGSDDEQATTPHRLQ-----
AAP46279.1 IQND---RDRIG-PTKKIKMSSGSDDEQATTPHRLQ-----
AAO39167.1 IQND---RDRIG-PTKKIKMSSGSDDEQATTPHRLQ-----
CAE58689.1 IQND---RDRIG-PTKKVKMSSGSDDEQATTPHRLQ-----
AAO39170.1 IQND---RDRIG-PTKKIKMSSGSDDEQATT-----
AAP46278.1 IQND---RDRIG-PTKKIKMSSGSDDEQATT-----
NHR1_CAEEEL IQND---RDRIG-PTKKIKMSSGSDDEQATT-----
NP_504455.1 IQND---RDRIG-YTKRKRHHDDNDMEGGVHHSEHI-----
T33174 IQND---RDRIG-YTKRKRHHDDNDMEGGVHHSEHI-----
G89050 IQND---RDRIG-YTKRKRHHDDNDMEGGVHHSEHI-----
CAE64622.1 IQRD---RDRIG-YTKRKRKHDDDDKEE-THHFENLH-----
NP_504453.1 -----CKFLV-YFEI-----MEGS-----
CAE57227.1 LSME---RRRKR---KKLNGIEGLEERYETTNPILNLL-----
NP_510115.1 LSME---RRRKR---KKLNGLEGSEESWETEDALINLL-----
AAG15127.1 VRPD---RDQTGKQKVPRIKKKQIDEELLNHHMRL-----
NP_741456.1 VRPD---RDQTGKQKVPRIKKKQIDEELLNHHMRL-----
AAG15128.1 VRPD---RDQTGKQKVPRIKKKQIDEELLNHHMRL-----
CAE70940.1 VRPD---RDQTGKQKVPRIKKKQIDEDLLNHHMRL-----
AAM81108.1 -----QSGRIGIRQENRK-FQELRRSKLMRSF-----
CAE72428.1 YSSR---YCRFKKCEIVGMDPKAVRPDR-DATGRHYQGRQ---
NP_494368.1 -TSR---FCRFKKCEIVGMDPKAVRPDR-DATGRHYQG-----
CAE62036.1 VRPD---REKSKKGKTLSSKKSLSRSMSNRMAI-----
NP_502117.2 VRPD---REKSKKGKTVLSKKS SVSRSLSYRLAD-----
AAG15179.1 IRPD---RDVIGKQKNPRKKMKMKS--DTNSGSIDASL-----
AAR30203.1 IRPD---RDVIGKQKNPRKKMKMKS--DTNSGSIDASL-----

AAO21381.1 IRPD---RDVIGKQKNPRKKMKMS--DTNSGSIDASL-----
NP_494413.2 IRPD---RDVIGKQKNPRKKMKMS--DTNSGSIDASL-----
CAE72436.1 IRPD---RDVIGKQKNPRKKMKAE-NSNDASLPSP-----
CAE63197.1 IRPD---RDKTGRQKNPRRNADGS IKKNSNASILG-----
NP_510423.1 IRPD---RDKTGRQKNPRRNTEGS IKKVS VGSILG-----
AAC24264.2 STTR---HNLRLINIYVQTS--AES-TPKSSKDTEMGVA-----
NP_501348.1 STTR---HNLRLINIYVQTS--AEKRQTKRRMITQKGT-----
CAE70941.1 IRGK---YNSTSTDYERSSSSAES-TPKSSKDTELG-----
AAG15129.1 VQSE---RDKHKKNPKDSNNEGSTSPQYPTASTPI-----
T22948 VQSE---RDKHKKNPKDSNNEGSTSPQYPTASTPI-----
NP_741480.1 VQSE---RDKHKKNPKDSNNEGSTSPQYPTASTPI-----
CAC70099.2 VQSE---RDKHKKNPKDSNNEGSTSPQYPTASTPI-----
CAE46673.1 VQSE---RDKHKKNPKDSNNEGSTSPQYPTASTPI-----
CAE74760.1 VQSE---RDKHKKNPKD---DESGSPTYPTSATPISIP-----
CAC70072.3 VQSE---RE---IRPNETAKKPKGSLKGKRSSLQTSNS-----
NP_501730.2 VQSE---RE---IRPNETAKKPKGSLKGKRSSLQTSNS-----
CAE69003.1 VQSE---RHPAKIGEIEPAKMPK-HPKAAKMNYRTK-----
NP_501731.1 VRSE---RTRKIKTEIDGDVKLEIKEEPADSEAD-----
T19540 VRSE---RTRKIKTEIDGDVKLEIKEEPADSEAD-----
CAE69004.1 VRTE---RKKKTPDLDNKTIKMEIKEEIDTDSDDD-----
NP_504213.1 IRNK---RAKR-KSQPESPCTEEIENRALSWQTEAI-----
AAD05225.1 VQ-----HERGPRKPKLHPQLHHHHHHAAAAA-----
NP_477140.1 VQ-----HERGPRKPKLHPQLHHHHHHAAAAA-----
XP_318587.1 VT-----PHPPPPPPPLVPHPIALTALPPEGPT-----
AAF71999.1 VQ-----HERGPRNSTLRRQQMSSYYNESRVMMSP-----
AAF74116.1 VQ-----HERGPRNSTLRRQQMSSYYNESRVMMSP-----
AAO39180.1 VQ-----HERGPRNSSLRRQQMMFDHGSSPNS-----
NP_502094.1 VQ-----HERGPRNSSLRRQQMMFDHGSSPNS-----
CAE62015.1 VQ-----HERGPRNSSLRRQQMMFEHGSSPHS-----
B47265 VQ-----HERGPRNSTLRRHMAMY--KDAMMGAAEMP-----
TLL_DROVI VQ-----HERGPRNSTLRRHMAMY--KDAMMGAAEMP-----
NP_524596.1 VQ-----HERGPRNSTLRRHMAMY--KDAMMGAGEMP-----
XP_316782.1 VQ-----HERGPRSSTLRKQMALFISKDSPL-RHDM-----
AAM61763.1 VQ-----HERGPRTSTIRKQVALYFRGHKEVNGSA-----
NR21_ORYLA VQ-----HERGPRTSTIRKQVALYFRGHKEVNGSS-----
NR21_XENLA VQ-----HERGPRTSTIRKQVALYFRGHKEVNGST-----
NP_003260.1 VQ-----HERGPRTSTIRKQVALYFRGHKEENGAA-----
NP_689415.1 VQ-----HERGPRTSTIRKQVALYFRGHKEDNGAA-----
NP_990501.1 VQ-----HERGPRTSTIRKQVALYFRGHKEESSGA-----
AAP79295.1 VQ-----HERGPRNSTIRKQMALYLKETTGRDDVT-----
AAL29193.1 VQ-----HERGPRSSTLRKQKMLKEAQERMEIAT-----
NP_055064.1 VQ-----NERQPRSTAQVHLDSMESNTESRPESLVA-----
NP_057430.1 VQ-----NERQPRSTAQVHLDSMESNTESRPESLVA-----
NP_038736.1 VQ-----NERQPRSTAQVHLDSMESNTESRPESLVA-----
AAF15392.2 VQ-----NERQPRSTAQVRMDSVESETEPRLQPLAT-----
NP_989925.1 VQ-----NERQPRSTAQVRLDSIELDAELPPEHVAA-----
NP_508547.1 VQ-----NERQPRNTATIRP-ALDMDPQNFFREYAGA-----
T29238 VQ-----NERQPRNTATIRP-ALDMDPQNFFREYAGA-----
CAE68391.1 VQ-----NERQPRNTATIRP-AIDMDPQNFFREYAGA-----
NP_611032.1 E-----VDETEERNSCQAGTGRCVVDKAHRNQC-----
XP_305999.1 -----
NP_725457.1 DSIDV-TNDNEEPHAVSRSDSSFIMPQFMSPN-----
XP_319010.1 -----
XP_345117.1 LP-----ASSPLTTVRPASQOC PGVCPAAAGR TD-----
CAE65008.1 VQ-----NERGPRKLR-CITIPRINNLNSFKYDMIFS-----
NP_497579.1 FF-----SSTHGKAK- IWGPTNIRPPTS YGFRAP-----
NP_649647.1 VQ-----EERGPRNQVALYRTGRRQAPPSQAAPSP-----

XP_307951.1 VQ-----QERGPRKGRKMVLMACIRQVRHNEHFAIF-----
CAE70300.1 VQ-----HERLDTPPRSTAPAVRTKKVKKIKLPETID-----
XP_321796.1 VQ-----HERAPRNCTPLTATVSGLSAHGDYYAARTS-----
CAB05521.2 VQ-----PERTSHSYTVEYVELPSFREYSKGLLPTH-----
NP_507060.1 VQ-----PERTSHSYTVEYVELPSFREYSKGLLPTH-----
1411299B VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
CAA68539.1 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
AAH35137.1 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
TVRTAR VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
XP_126580.1 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
THA1 SHEEP VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
THA_MOUSE VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
THA_PIG VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
S06410 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
S06907 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
S09178 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
S14417 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
S14418 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
NP_955366.1 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
NP_835161.1 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
CAA31237.1 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
CAA38899.1 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
CAA06701.1 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
CAB57886.1 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
NP_003241.2 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
NP_112396.1 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
QRMSA1 VLDDSKR-VAKRKLIEQNR-ERRRKEEMIRSL-----
A44776 VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
CAA36459.1 VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
AAA42393.1 VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
TVFVVR VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
AAA42397.1 VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
AAA42398.1 VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
ERBA AVIER VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
CAA68260.1 VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
CAA05310.1 VLYDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
THA PYGAD VLYDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
CAA28545.1 VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
THA CAIMO VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
CAA05339.1 VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
NP_990644.1 VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
THA APTPA VLDDSKR-VAKRKLIEENR-ERRRKEEMIKSL-----
THAB XENLA VLDDSKR-VAKRKLIEENR-VRRRKEEMIKTL-----
TVXLTA VLDDSKR-VAKRKLIEENR-QRRRKEEMIKTL-----
THA RANCA VLDDSKR-VAKRKLIEENR-ERRRKEEMIKTL-----
THAA XENLA VLDDGKR-VAKRKLIEENR-QRRRKEEMIKTL-----
B36067 DLDDSKR-VAKRKLIEEDR-VRRRKEEMIKTL-----
AAO47435.1 VLDDSKR-VAKRKLIEENR-ERRRKEEMLKSM-----
THAA PAROL VLDDSKR-VAKRRLIEENR-EKRKREEMVRTL-----
THA HIPHI VLDDSKR-VAKRRLIEENR-EKRKREEMVRTL-----
BAD11772.1 VLDDSKR-VAKRRLIEENR-EKRKKEEMVKSL-----
NP_571471.1 VLDDSKR-VAKRRLIEENR-EKRKKEEIVKTL-----
THAB PAROL VLDDSKR-VAKRRLIEENR-ERRKKEEIVKTL-----
THA SALSA VLDDSKR-VAKRRLIEENR-EKRKKEEIVKTL-----
THB1 MOUSE VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
THB2 RAT VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
THB1 RAT VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----

AAA40916.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
NP_036804.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
NP_033406.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
THB2_HUMAN	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
TVHUAR	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
NP_000452.2	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
2NLLB	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
CAB42095.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
THB1_SHEEP	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
NP_990778.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
TVCHTB	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
THB_CHICK	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAA49654.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
THBA_XENLA	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAL13127.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
THB_RANCA	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
D36067	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
THBB_XENLA	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAO47436.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAO62999.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAD38691.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAL06731.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAL06732.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAO86517.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
THB_PAROL	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
NP_571415.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
BAD11773.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
S06163	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAC42665.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
BAB68358.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
NHR1_ONCVO	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAF68669.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
CAE72381.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
1401244A	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
1408258A	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
RRB_HUMAN	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
NP_000956.2	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
CAA68398.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
CAA30262.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAL02361.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
RRB_MOUSE	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
NP_035373.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
CAA05769.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
1504304A	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
RRB_NOTVI	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
NP_990657.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
RRB_COTJA	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
S13512	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
CAA40615.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
CAA40616.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
A43786	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAB19628.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAA60126.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAB00112.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
NP_000955.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAB00113.1	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----
AAB19602.2	VLDDSKR-LAKRKLIEENR-EKRRREELQKSI-----

AAB29813.1	VRNDRNKKKK-EVPKPECS-ESYTLTPEVGELIE-----
AAC33511.1	VRNDRNKKKK-EVPKPECS-ESYTLTPEVGELIE-----
AAD05222.1	VRNDRNKKKK-EVPKPECS-ESYTLTPEVGELIE-----
AAF65452.1	VRNDRNKKKK-EVPKPECS-ESYTLTPEVGELIE-----
CAA29787.1	VRNDRNKKKK-EVPKPECS-ESYTLTPEVGELIE-----
NP_113716.1	VRNDRNKKKK-ETPKPECS-ESYTLTPEVGELIE-----
CAA05767.1	VRNDRNKKKK-EAPKPECS-ESYTLTPEVGELIE-----
CAA05768.1	VRNDRNKKKK-EAPKPECS-ESYTLTPEVGELIE-----
CAA71177.1	VRNDRNKKKK-EAPKPECS-ESYTLTPEVGELIE-----
AAL02360.1	VRNDRNKKKK-EAAKPECS-ESYTLTPEVGELIE-----
CAA40749.1	VRNDRNKKKK-EAPKPECS-ESYTLTPEVGELIE-----
RRA_MOUSE	VRNDRNKKKK-EAPKPECS-ESYTLTPEVGELIE-----
NP_033050.1	VRNDRNKKKK-EAPKPECS-ESYSLTPEVGELIE-----
I50674	VRNDRNKKKK-DVPKTECS-ESYIVTPEVEELIE-----
NP_989867.1	VRNDRNKKKK-DVPKTECS-ESYIVTPEVEELIE-----
CAA55132.1	VRNDRNKKKK-DVPKTECS-ESYIVTPEVEELIE-----
RRA_NOTVI	VRNDRNKKKKQEAPKQECT-ESYIITPEVEDLV-----
S78481	VRNDRNKKKKQEAPKQECT-ESYIITPEVEDLV-----
AAA50050.1	VRNDRNKRKK-DDKKQECL-ENYVLSPDTEKMIE-----
AAH49301.1	VRNDRNKRKK-DDKKQECL-ENYVLSPDTEKMIE-----
CAB43871.1	VRNDRNKKKK-DEKKPECI-ENYVLSPDTEQMIN-----
RRA_FUGRU	VRNDRNKKKK-DEKKPECI-ENYVLSPDTEQMIN-----
I51256	VRNDRNKKKK-EEKKPECT-ENYTLSPDTEQMID-----
NP_571481.1	VRNDRNKKKK-EEKKPECT-ENYTLSPDTEQMID-----
1DSZA	VRNDRNKKKK-----
A41977	VRNDRNKKKK-ESPKPEAI-ESYILSPETQDLIE-----
A56558	VRNDRNKKKK-ESPKPEAI-ESYILSPETQDLIE-----
RRA_XENLA	VRNDRNKKKK-ESPKPEAI-ESYILSPETQDLIE-----
B56558	VRNDRNKKKK-EPPKVDVM-ESYVLSPETQDLIE-----
CAB60726.1	VRNDRNKKKK-EVKEEGSP-DSYELSPQLEELIT-----
RRG2_HUMAN	VRNDRNKKKK-EVKEEGSP-DSYELSPQLEELIT-----
RRG2_MOUSE	VRNDRNKKKK-EVKEEGSP-DSYELSPQLEELIT-----
A34714	VRNDRNKKKK-EVKEEGSP-DSYELSPQLEELIT-----
NP_035374.2	VRNDRNKKKK-EVKEEGSP-DSYELSPQLEELIT-----
AAH19098.2	VRNDRNKKKK-EVKEEGSP-DSYELSPQLEELIT-----
AAH64524.1	VRNDRNKKKK-EVKEEGSP-DSYELSPQLEELIT-----
NP_000957.1	VRNDRNKKKK-EVKEEGSP-DSYELSPQLEELIT-----
AAH13709.1	VRNDRNKKKK-EVKEEGLP-DSYELSPQLEELIT-----
XP_217064.2	VRNDRNKKKK-EVKEEGPP-DNYELSPQLEELIT-----
AAL02362.1	VRNDRNKKKK-EVKEECSP-DSYELSPQLEELIT-----
CAA52153.2	VRNDRNKKKK-EVKEEAA--DSPELSPALEEELIQK-----
A38592	VRNDRNKKKK-EIKEEVVLPDSYEMPPEMEELI-----
RRG_XENLA	VRNDRNKKKK-EIKEEVVLPDSYEMPPEMEELI-----
AAB47115.1	VRNDRNKKKK-EIKEEVVLPDSYEMPPEMEELI-----
AAB47116.1	VRNDRNKKKK-EIKEEVVLPDSYEMPPEMEELI-----
RRG_NOTVI	VRNDRNKKKK-EIKEEVVT-DSYEMPPEMEALIQ-----
S06124	VRNDRNKKKK-EIKEEVVT-DSYEMPPEMEALIQ-----
CAA49562.1	VRNDRNKKKK-EIKEEVVT-DSYEMPPEMEALIQ-----
AAF80975.1	VRNDRNKKKK-EIKEEVVT-DSYEMPPEMEALIA-----
AAF80976.1	VRNDRNKKKK-EIKEEVVT-DSYEMPPEM-----
AAB59953.1	VRNDRNKKKK-DVKDEVIPPESEYELSGELEELV-----
NP_571414.1	VRNDRNKKKK-DVKDEVIPPESEYELSGELEELV-----
AAF80974.1	VRNDRNK-----
1HRA	VRN-----
AAM46149.1	VRNDRNKKRDKTQSLEKHTLSYNWTPEIQTI-----
BAA25569.1	VRNDRNKKRG---KEKDGKTGDTSPSQPEEIVVT-----
A56856	VKFGRMSSKKQRDSLVAEVQKHRMQQQQORDHQQ-----

NP_002934.1 VKFGRMSKKQRDSLAEVQKHRMQQQQORDHQQ-----
XP_217192.2 VKFGRMSKKQRDSLAEVQKHRMQQQQORDHQQ-----
CAB05396.1 VKFGRMSKKQRDSLAEVQKHRMQQQQORDHQQ-----
BAA22970.1 VKFGRMSKKQRDSLAEVQKHRMQQQQORDHQQ-----
NP_038674.1 VKFGRMSKKQRDSLAEVQKHRMQQQQORDHQQ-----
NP_599022.1 VKFGRMSKKQRDSLAEVQKHRMQQQQORDHQQ-----
NP_599023.1 VKFGRMSKKQRDSLAEVQKHRMQQQQORDHQQ-----
NP_599024.1 VKFGRMSKKQRDSLAEVQKHRMQQQQORDHQQ-----
CAA69930.1 VKFGRMSKKQRDSLAEVQKRRMQQQQORDHQQ-----
AAH58269.1 VKFGRMSKKQRDSLAEVQKHQORLQEQRQQQ-----
NP_990424.1 VKFGRMSKKQRDSLAEVQKHQORLQEQRQQQ-----
CAD13276.1 VKFGRMSKKQRDSLAEVQKHQORLQEQRQQQ-----
XP_219749.2 VKFGRMSKKQRDSLAEVQKHQORLQEQRQQQ-----
I65219 VKFGRMSKKQRDSLAEVQKHQORLQEQRQQQ-----
RORB_RAT VKFGRMSKKQRDSLAEVQKHQORLQEQRQQQ-----
NP_008845.2 VKFGRMSKKQRDSLAEVQKHQORLQEQRQQQ-----
RORB_HUMAN VKFGRMSKKQRDSLAEVQKHQORLQEQRQQQ-----
AAB02582.1 VKFGRMSKKQRDSLAEVQKQLQQQQQQEQVA-----
AAD46913.1 VKFGRMSKKQRDSLAEVQKQLQQQQQQEQVA-----
AAH14804.1 VKFGRMSKKQRDSLAEVQKQLQQQQQQEQVA-----
NP_035411.1 VKFGRMSKKQRDSLAEVQKQLQQQQQQEQVA-----
CAA10661.1 VKFGRMSKKQRDSLAEVQKQLQQQQQQEQVA-----
XP_227436.2 VKFGRMSKKQRDSLAEVQKQLQQQQQREQVA-----
XP_347323.1 VKFGRMSKKQRDSLAEVQKQLQQQQQREQVA-----
CAD38900.1 VKFGRMSKKQRDSLAEVQKQLQQRQQQQQEP-----
RORG_HUMAN VKFGRMSKKQRDSLAEVQKQLQQRQQQQQEP-----
NP_005051.2 VKFGRMSKKQRDSLAEVQKQLQQRQQQQQEP-----
AAB54059.1 VKFGRMSKKQREKVEDEGRFHRAQMREGQTDAP-----
AAC47163.1 VKFGRMSKKQREKVEDEGRFHRAQMREGQTDAP-----
AAF36970.1 VKFGRMSKKQREKVEDEVRFHRAQMRAQSDAA-----
NP_788301.1 VKFGRMSKKQREKVEDEVRFHRAQMRAQSDAA-----
NP_788302.1 VKFGRMSKKQREKVEDEVRFHRAQMRAQSDAA-----
NP_788303.1 VKFGRMSKKQREKVEDEVRFHRAQMRAQSDAA-----
XP_319750.1 VKFGRMSKKQREKVEDEVRFHRAQMRAQNDAA-----
AAK14384.2 VKFGRMSKKQREKVEDEVRFHRAQMRAQTDTA-----
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NP_068370.1 VRFGRIPKREKQRMLAEMQSAMN-LANNQLSS-----
NP_663409.1 VRFGRIPKREKQRMLAEMQSAMN-LANNQLSS-----
CAB53540.1 VRFGRIPKREKQRMLAEMQSAMN-LANNQLSS-----
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1A6YB VRFGRIPK-----
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NP_005117.2 VRFGRIPKREKQRMLIEMQSAMKTMMSQFS-----

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NP_035714.2 VRFGRIPKREKQRMLIEMQSAMKTMNTQFS-----
BAC35811.1 VRFGRIPKREKQRMLIEMQSAMKTMNTQFS-----
NP_990536.1 VRFGRIPKREKQRMLIEMQSAMKTMNSQFS-----
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AAQ91256.1 VRFGRIPKREKQRMLAEMQNAMNNMVNNQLQ-----
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E75_GALME VRFGRVPKREKARILAAMQSSTTRAHEQAAA-----
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AAG15187.1 VRQMKFRNAMRDDKSPDSVVFVPEISTLERQEE-----
NP_509713.2 VRQMKFRNAMRDDKSPDSVVFVPEISTLERQEE-----
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CAA67384.1 VRYGRVPKRSRELNGAAASAAAAGAPASLNVD-----
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CAA51523.1 -----
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AAF06997.1 VRYGRTPRRKGDEVDNENVPSWEETSKLTHYE-----
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NP_006229.1 IRFGRMPEAEKRKLVAGLTANEGS-QYNPQVADL-----
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AAF81095.1 IRFGRMPEAEKRKLVAGLTANEGS-QHNPQVADL-----
BAA92682.1 IRFGRMPEAEKRKLVAGLTAVEGH-QHSPQVADL-----
BAC78903.1 IRFGRMPEAEKRKLVAGLT-----

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NP_035275.1 IRFGRMPEAEKRKLVAGLTASEGC-QHN PQ LADL-----
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NP_037273.1 IRFGRMPEAEKRKLVAGLTASEGC-QQN PQ LADL-----
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AAA03332.1 IRFG-----
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CAC95232.1 IRYGRMPEAEKRKLVAGLLAGERAPT TNPNGSD-----
AAC39168.2 -----
CAD62448.1 IRYGRMPEAEKRKLVAGLLAEELT-VSKPGGSDL-----
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AAH00052.1 IRFGRMPRSEKAKLKAEILTCEHD-IEDSETADL-----
NP_005027.2 IRFGRMPRSEKAKLKAEILTCEHD-IEDSETADL-----
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CAA40856.1 IRFGRMPRSEKAKLKAEILTCEHD-LKDSETADL-----
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AAF73404.1 IRFGRMPRSEKAKLKAEILTCEHD-LEDAETADL-----
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PPAR_CANFA IRFGRMPRSEKAKLKAEILTCEQD-PEDAETADL-----
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PPAR_CAVPO IRFGRMPRSEKAKLKAEVLTCDRD-SEGAETADL-----
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AAH60004.1 IRFGRMPRSEKAKLKAEVLMCDQD-VKDTQMADL-----
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JE0280 IRFGRMPQAEKEKLLAEISSDIDQ--LNPESADLR-----
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AAA62110.1 IRFGRDRQAEKEKLLAEISSDIDQ--LNPESADLR-----
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CAC95230.1 IRFGRMPQVEREKLLQAEFMDVEP--RNPESADLR-----
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AAG02188.1 VQEERQRGKDRNENEVESTSSA--NEDMPVERIL-----
C41977 VQEERQRGKERNENEVESSNSA--NEDMPVEKIL-----
RXRA_XENLA VQEERQRGKERNENEVESSNSA--NEDMPVEKIL-----
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RXRA_BRARE VQEERQGRERSDNEVDSSSSF--NEEMPVEKIL-----
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NP_033133.1 VQEERQRSRERAESEAEACASS--HEDMPVERIL-----
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AAB27245.1 VQEERQRSRERAESEAEACASS--HEDMPVERIL-----
CAA11109.1 VQEERQRSRERAESEAEACASTG--HEDMPVERIL-----
XP_341152.1 VQEERQRSRERAESEAEACASTG--HEDMPVERIL-----
NP_008848.1 VQEERQRSRERAESEAEACATSG--HEDMPVERIL-----
NP_990625.1 VQEERQGSRERSENAEASTSGG--SEEMPVERIL-----
RXRG_XENLA VQEERQRSREKSDTEAESTSST--SEEMPVERIL-----
CAD45002.1 VQEERQRNRER-EGELEFSVSV--NEEMPVEKILA-----
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CAA60792.1 VQEERQRGKER-DGEAELSGAI--NEEMPVEKILE-----
S47633 VQEERQGRER-DGEAELSGAI--NEEMPVEKILE-----
1BY4 VQEER-----
RXRB_RAT VQEERQRGKDK-DGDGDGAGGA--PEEMPVDRILE-----
XP_342096.1 VQEERQRGKDK-DGDGDGAGGA--PEEMPVDRILE-----
S26669 VQEERQRGKDK-DGDGDGAGGA--PEEMPVDRILE-----
NP_035436.1 VQEERQRGKDK-DGDGDGAGGA--PEEMPVDRILE-----
CAE83933.1 VQEERQRGKDK-DGDGDGAGGA--PEEMPVDRILE-----

D41727 VQEERQRGKDK-DGDGDGAGGA--PEEMPVDRILE-----
AAH19432.1 VQEERQRGKDK-DGDGDGAGGA--PEEMPVDRILE-----
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1R00 VQEERQ-----
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BAD12053.1 VQEERQRGT-RAANARAAGAGGGGGGGGVS NV-----
AAC15589.1 VQEERQRAK-DRNDNEVESTSGGVGVSGGVGGP-----
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USP_BOMMO VQEERQRAA-RRTEDAHPSSS---VQELSIERLLEL-----
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CAB75361.1 VQEERQRTK-DRDTSEVESTSN-MQAEMPLDRII-----
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AAL29194.1 VREDRTPGGRHRHRS LQDHRPKKPHRSARDEP-----
AAA36763.1 VRTDSLKGR-RGRLPSKPKQP--PDAS PANLLTSL-----
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AAH56025.1 VRTDNLKGR-RGRLPSKPKQI--AESSPVSLINSL-----
NR42_XENLA VRTDSLKGR-RGRLPSKPKQI--AESSPVDLINSL-----
NP_006177.1 VRTDSLKGR-RGRLPSKPKSP--QEPSPPSPPVSL-----
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CAA75690.1 VRTDSLKGR-RGRLPSKPKSP---QESPPSPPIISLI-----
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NP_477119.1 VRTDSLKGR-RGRLPSKPKSP---QESPPSPPIISLI-----
AAC46926.1 VRTDSLKGR-RGRLPSKPKSP---QESPPSPPIISLI-----
S58238 VRTDSLKGR-RGRLPSKPKSP---QESPPSPPIISLI-----
HR38_BOMMO VRTDSLKGR-RGRLPSKPKCP---QESPPSPPIISLI-----
AAF23095.1 VRTDSLKGR-RGRLPSKPKSP---QESPPSPPVSMI-----
XP_317123.1 VRTDSLKGR-RGRLPSKPKSP---QESPPSPPVSMI-----
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CAE64932.1 VRGGSLSGR-RGRLSSKTKLA--RSVDQSPPLPL-----
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CAD57002.1 VQEERTPQGAKLQRASTP-TPLGFPNLNFIPPS-----
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BAB88907.1 ESEKRLQ-----
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AAL83722.1 FQHERKPIV-----DKNKSEPRDGLADRQAAYS--KLLGL---
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AAG48341.1 ARKDR--GRVLR--DKRRTCTSDKDKGSKERDERT-----
AAP72178.1 VRKDR--GRVLR--DKRRTGTSDKDNGSKDREQRT-----
BAC76957.1 VRKER--GRVLR--DKRRTAISDREKAVKGLEPKT-----

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ESR2_BOVIN NP_776476.1 ESR2_SHEEP CAC42097.1 AAC05751.1 S71400 AAC25603.1 AAC15234.1 AAD32580.1 NP_001428.1 AAK71318.1 ESR2_CALJA AAK71317.1 AAK15151.1 ESR2_PIG ESR2_COTJA NP_990125.1 ESR2_STUVU AAD47637.1 AAK77002.1 AAO39210.1 ESR2_MICUN AAP72179.1 BAD02929.1 ESR2_ANGJA CAC85356.1 CAC85366.1 ERB2_CARAU CAC93848.1 NP_777287.1 ESR2 ICTPU AAK16742.1 NP_851297.1 AAN60793.1 CAC93849.1 ERB1_CARAU BAB91218.1 ESR2_ONCMY AAR92486.1 AAL82742.1 ESR2_SPAAU AAO39211.1 ESR3_MICUN BAB85623.1 ESR2_ORENI BAB79705.1 AAK57823.1 AAB97426.1 AAB97427.1 AAO89568.1 AAA58462.1 AAQ95045.1 AAC05114.1 XP_234426.2 CAE68258.1 NP_500074.1 AAL68274.1

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AAM18081.2 -----LLTEIQCKSKRLRKNVKQHTDQTTNDD-SEGPD-----
AAA58594.1 -----VLSEEQIRKKKIRKQQQQESQSQSQSPVGP-----
NP_009052.1 -----VLSEEQIRKKKIRKQQQQESQSQSQSPVGP-----
BAC36906.1 -----VLSEEQIRKKRIKQKQQQQPPPPSEPAASS-----
NP_033499.1 -----VLSEEQIRKKRIKQKQQQQPPPPSEPAASS-----
NP_113814.1 -----VLSEEQIRKKKIQKQQQQPPPPTEPASGS-----
NRH2_RAT -----VLSEEQIRKKKIQKQQQQPPPPTEPASGS-----
AAD16050.1 -----VLSEEQIRLKKLKRQEEEAQAQATSVSPRVSSP-----
NP_038867.1 -----VLSEEQIRLKKLKRQEEEAQAQATSVSPRVSSP-----
NP_113815.1 -----VLSEEQIRLKKLKRQEEEAQAQATSVSPRVSSP-----
AAO12508.1 -----VLSEEQIRLKKLKRQEEE-----
AAH08819.1 -----VLSEEQIRLKKLKRQEEEAQAHATSLPPRASSP-----
NRH3_HUMAN -----VLSEEQIRLKKLKRQEEEAQAHATSLPPRASSP-----
AAH41172.1 -----VLSEEQIRLKKLKRQEEEAQAHATSLPPRASSP-----
NP_005684.1 -----VLSEEQIRLKKLKRQEEEAQAHATSLPPRRSSP-----
AAO19584.1 -----
AAO19585.1 -----
AAO19595.1 -----
AAO19583.1 -----
AAO19586.1 -----
AAO19587.1 -----
AAO19588.1 -----
AAO19590.1 -----
AAO19591.1 -----
AAO19592.1 -----
AAO19594.1 -----
CAD45182.1 -----VLSEEQIRLKKLKKQEDDQARTVVVVRPNPPQP-----
NP_989873.1 -----VLSEEQIRLKKLKKQEDDQARTVVVVRPNPPQP-----
AAO19593.1 -----
1KB2 ILTDEEVQRKREMILKR-KEEEALKDSL RPKLS-----
AAK48863.1 ILTDEEVQRKREMILKR-KEEEALKDSL RPKLS-----
VDR_BOVIN ILTDEEVQRKREMILKR-KEEEALKDSL RPKLS-----
NP_000367.1 ILTDEEVQRKREMILKR-KEEEALKDSL RPKLS-----
NP_033530.2 ILTDEEVQRKREMIMKR-KEEEALKDSL RPKLS-----
VDR_MOUSE ILTDEEVQRKREMIMKR-KEEEALKDSL RPKLS-----
NP_058754.1 ILTDEEVQRKREMIMKR-KEEEALKDSL RPKLS-----
NP_990429.1 ILTDEEVQRKREMILKR-KEEEALKE SLKPKLS-----
VDR_COTJA ILTDEEVQRKREMILKR-KEEEALKE SLKPKLS-----
VDR_XENLA ILTDEEVQRKRQMINKR-KSEEALKE SMRPKIS-----
A60912 -----
JC7229 ILTDEEVQREKEMILKR-KEEEAAREAMR PRLN-----
NP_570994.1 ILTDEEVQRKKDLIMKR-KEEEAAREARK PRLS-----
JC7230 ILTDEEVQRKKDLIQRR-KDEEAQREAEREARR-----
AAA61274.1 -----
AAP05810.1 IMTEEEVQRKKEIIMKR-KLEDSAREVHTPQLL-----
CAB55489.1 IMSDEAVEERRALIKRK-KSERTGTQPLGVQG-----
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NP_148934.1 IMSDEAVEERRALIKRK-KSERTGTQPLGVQG-----
NP_071285.1 IMSDEAVEERRALIKRK-KSERTGTQPLGVQG-----
AAM10633.1 IMSDAAVEERRALIKRK-KRERIGTQPPGVQG-----
NP_035066.1 IMSDAAVEQRRALIKRK-KREKIEAPPPGGQG-----
NP_443212.1 IMSDAAVEQRRALIKRK-KREKIEAPPPGGQG-----
BAB27404.1 IMSDAAVEQRRALIKK-----
AAD54426.1 IMSDVAVAQRRALIKRK-KRERMEAQPPGMQG-----

AAH41187.1	IMSDAAVEQRRALIKRKHKLTKSPPTPPGASL-----
S41497	IMSDAAVEQRRALIKRKHKLTKLPPTPPGASL-----
JC7510	IMSDEAVEQRRALIKRQNLSPPTPPGASL-----
AAC53350.1	ILSAEALALRRARQAQRR-AEKASLQLNQOQKE-----
NP_033933.1	ILSAEALALRRARQAQRR-AEKASLQLNQOQKE-----
BAC84956.1	ILSAEALALRRARQAARR-AQKASLQLSQOQKE-----
NP_075230.1	ILSAEALALRRARQAARR-AQKASLQLSQOQKE-----
AAM76230.1	ILSAEALALRRAKQAQRR-AQOTPMQLSNEQEE-----
NP_005113.1	ILSAEALALRRAKQAQRR-AQOTPVQLSKEQEE-----
BAD00038.1	ILSAEALAQRRAKQAQRR-AQWAAVQLSKGQOE-----
BAD00039.1	ILSAEALVQRRAKQAQRR-AQWAPVQLSKGQOE-----
NP_990033.1	IMSEALGRRRALRLQRRLAQAQPGGLTAEQQ-----
AAP31437.1	LNDLKPKSSIVSGKFKRKKPDMKNNLKVEVDD-----
NP_741445.1	LNDLKPKSSIVSGKFKRKKPDMKNNLKVEVDD-----
CAE61946.1	LNDIKPKTS-GSGKFKRKKPETKSQLKLEVEDT-----
NP_509782.1	ILNEEQLRRRKNRSLNNTGTCNKRSQPGNQQS-----
NP_509784.1	ILNEEQLRRRKNRSLNNTGTCNKRSQPGNQQS-----
T20733	ILNEEQLRRRKNRSLNNTGTCNKRSQPGNQQS-----
CAE60812.1	ILNEEQLRRRKNRSLNNNSTSNKRAQPGHQMS-----
CAE63355.1	IMS-EEARLEKKQORVEENR-----
NH48_CAEEL	IMS-EEARLEKKQORVEENR-----
NP_741940.1	IMS-EEARLEKKQORVEENRERRLQDAMNRALEE-----
NP_524493.1	IMS-EEDKLIKRRKIETNRAKRRLMENGTDACD-----
XP_313130.1	IMS-EEDKVLKRKKIEQNRAKKRQSNGSASEGS-----
AAP21572.1	SRYGRRSNWFKIHCLLQEHEQAAAAAAGKAP-----
KNIR_DROVI	SRYGRRSNWFKIHCLLQEHEQAAAAAAGKAP-----
AAP12718.1	SRYGRRSNWFKIHCLLQEHEQAAAAAAGKAP-----
NP_524187.1	SRYGRRSNWFKIHCLLQEHEQAAAAAG-KAPP-----
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CAF21851.1	SRYGRRSNWFKIHCLLQEQQQAGANMAAAAN-----
NP_788552.1	SRYGRRSNWFKIHCLLQEQQQAVAAMAAAH-----
EGON_DROME	SRYGRRSNWFKIHCLLQEQQTTSGLGGSV-----
NP_524206.1	SRYGRRSNWFKIHCLLQEQQTTSGLGGSV-----
AAG15123.1	VQRHRELFAS--QETSSESSSNPRIS-PTLSWPMD-----
NP_510659.1	VQRHRELFAS--QETSSESSSNPRIS-PTLSWPMD-----
T19202	VQRHRELFAS--QETSSESSSNPRIS-PTLSWPMD-----
CAE69977.1	VQRHRELFGR--QDSSD--GSNPRVS-PSTSWPMDVS-----
AAG15170.1	VQKYRDAYGK--RGS DVESPGSSSVSLPNQGDGF-----
NP_507636.1	VQKYRDAYGK--RGS DVESPGSSSVSLPNQGDGF-----
AAG15171.1	VQKYRDAYGK--RGS DVESPGSSSVSLPNQGDGF-----
AAG15172.1	VQKYRDAYGK--RGS DVESPGSSSVSLPNQGDGF-----
CAE73281.1	VQKFRDSYGK--RGS DVECASTSNPMGF GFGYAP-----
AAG15175.1	VQQRRTIGK--REIKPDST--DLMQLLGSVGDGYP-----
AAG15176.1	VQQRRTIGK--REIKPDST--DLMQLLGSVGDGYP-----
AAG15177.1	VQQRRTIGK--REIKPDST--DLMQLLGSVGDGYP-----
NP_503561.2	VQQRRTIGK--REIKPDST--DLMQLLGSVGDGYP-----
CAE66792.1	VQQRDVIGK--REMKPDSTNMDLYQALSSIGES-----
G88124	VQQR-PPSKTLVEVSMDL---PTVSNPSILSFPSP-----
NP_494785.1	VQQR-PPSKTLVEVSMDL---PTVSNPSILSFPSP-----
NP_494784.1	VQQKP-RLPKNRKEVSIDLSSPRTSNLMLLEL-----
F88124	VRQKPGSFRKSKELISPSSSNHDEF SRMPILS-----
CAE60139.1	VQLKKE SPKSPIPDLTPSIP-TSSSNPTRRSL-----
NP_505589.1	VQNRRENDTP-KADLQFDTSKTEIRRPIPNFNI-----
AAG15147.1	VQQKRDQLGR-RDGLPTNREEPVLDTMRRAYEK-----
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NP_741644.1	VQQKRDQLGR-RDGLPTNREEPVLDTMRRAYEK-----
CAE61044.1	RRVISIRICK-KWDLAVQQKRDQLGKRDLRSV-----

CAE64011.1 VQPKREICKTKENGQLN-KSESSTSMEVSSHTS-----
NP_505588.1 VQPRRDKPQKEEKLILPSMNVSPADIEVSCIE-----
AAG15132.1 VLSRLAKKNQNYKKSIVGSPDAYEPSTSTSDS-----
NP_504771.1 VLSRLAKKNQNYKKSIVGSPDAYEPSTSTSDS-----
CAE71986.1 VLSRLAQKNQHYKKS-VGSSDECEPSTSKSGSI-----
CAE58238.1 VMSRVV-PKSEAETNPWIENSLLEQIKVAYG-----
NP_503460.1 VLSRLA-VKSEPEF-----ESLLDQIKLAYERLQMA-----
CAE65524.1 VLSRLATVKTEPGE-----GTSSGSGWAMGNLLEQ-----
CAE64776.1 VKYNYDSAVHY-KEPSPKMKAEYLDHPTDPSP-----
NP_505639.1 VKYNYDAAVHYNKKPSPKMKIDAHEPPSD-----
AAO39179.1 LIGAKGAIP-KLKVPKSFQTVGRPYFVLQCDP-----
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CAE17952.1 LIGAKGAIP-KLKVPKSFQTVGRPYFVLQCDP-----
CAE56100.1 SDRSKSGLT-EKVIYRSMEQFVGRPHFVLSCN-----
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T31792 NRSRPYFVF-CYFSVFGHISRSTRVHFVLRARQS-----
CAE74995.1 FQFDRDAYK-VREMVQ-LDRRIPMTLDTFTGNS-----
NP_503455.1 IQYDRDAYKSSVKKIKDSAENITEPKRDAT-----
CAE74767.1 VKAKRTSSSSQNSQSLHKTMPSSVQLIDE-----
NP_501728.1 VKAKRTSSSQNVTSLYRNMNQSSILLIDQ-----
NP_510119.1 AVDDPTNIINKLLVMDTKRRDIFLNCTIPE-----
CAE67969.1 VQKFRDVGKREAKSVESTTKPQFPILYELLK-----
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AAB28339.1 VRADMRGGRNKFVPMYKRDRAKQ-QKKAQIR-----
NP_620639.1 VRADMRGGRNKFVPMYKRDRAKQ-QKKAQIR-----
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AAA18357.1 VRADMRGGRNKFVPMYKRDRAKQ-QKKALIR-----
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AAK54449.1 VRADMRGGRNKFVPMYKRDRAKQ-QKKALIR-----
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AAF82307.1 VRADRMGGGRNKFPGMPYKRDRARKL-QIMRQRQ-----
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XP_315681.1 -----
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NH25_CAEEL VRADRMGGGRNKFSGFYKKDRAHRM-QRNAMEV-----
CAE70358.1 VRADRMGGGRNKFSGFYKDRAHRL-QRNAMEV-----
AAK19303.1 VRADRMGGGRNKFGLYRRDRQLKQ-QRGTYHQ-----
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S33708 IREDTRGGRSTYQCSYTL PNSMLS-PLLSPDQ-----
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XP_310077.1 IREDTRGGRSTYQCSYTL PGPMGG-AGGAGMQ-----
BAA34123.1 IREDTRGGRSTYQCSYPLSGAASTGSLLSAH-----
AAG49449.1 IRSDTRGGRSMYPGSRYLRLQIAAR---VSGN-----
AAG29619.1 VRLDRVGGGRQKYKRRLDSESSPYL-SLQISPP-----
NP_004443.2 VRLDRVGGGRQKYKRRLDSESSPYL-SLQISPP-----
ERR2_RAT VRLDRVGGGRQKYKRRLDSENSPYL-SLQISPP-----
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AAQ93376.1 VRLDRVGGGRQKYKRRI DAENSPYL-NPQLVQP-----
BAC41450.1 VRLDRVGGGRQKYKRRI DAENSPYL-NPQLVQP-----
AAS66636.1 VRLDRVGGGRQKYKRRI DAENSPYL-NPQLALP-----

AAB17015.1 VRLDRVRGGRQKYKRRPEVDPLPFP-GPFPAGP-----
AAH63795.1 VRLDRVRGGRQKYKRRPEVDPLPFP-GPFPAGP-----
ERR1_HUMAN VRLDRVRGGRQKYKRRPEVDPLPFP-GPFPAGP-----
ERR1_MOUSE VRLDRVRGGRQKYKRRPEVDPLPFP-GPFPAGP-----
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XP_215174.2 VRLDRVRGGRQKYKRRPEVDPLPFP-GPFPAGP-----
NP_004442.3 VRLDRVRGGRQKYKRRPEVDPLPFP-GPFPAGP-----
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AAS20260.1 VRLDRVRGGRQKYKRRPEVDPLPFP-GSFPAGP-----
AAS66634.1 VRLDRVRGGRQKYKRRPEVENATYQSAPIPLR-----
AAS66637.1 VRMDRVRGGRQKYKRRVDSTLSVFS-KTAYTHA-----
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NP_729340.1 VRLDRVRGGRQKYRRNPVSNYSYQTMQLLYQSN-----
XP_321343.1 VRLDRVRGGRQKYRRNPVSNYSYQTMQLLYQSN-----
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GCR_CAVPO RKTXXX--IKGIQQATTGVSQNTSENP-NKTIVPA-----
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AAA75575.1 RKSKKLGKLGKGVHEEHPQQPLQQTPTAS-----
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AAB35738.1 RKSKKL-----
AAC63513.1 RKSKKLGKLGKGIHEEQPQQQPPPPPPPPQSP-----
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AAK20931.1 HRSKRMR-MKTSGGDDAARRDDGGAGSSTQALV-----
AAA49009.1 -----
AAA49010.1 -----
AAA49012.1 RKFKKLNKMKVVRTL D-VALQQPAVLQDETQSL-----
NP_990593.1 RKFKKLNKMKVVRTL D-VALQQPAVLQDETQSL-----
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AAA49014.1 RKFKKLNKMKVVRTL D-VALQQPAVLQDETQSL-----
AAA60081.1 RKFKKFNKVRVVRALDAVALPQPVGVPNESQA-----
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AAQ96833.1 RKFKKFNKVRVVRALDAVALPQPLGVPNESQA-----
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PRGR_HUMAN RKFKKFNKVRVVRALDAVALPQPLGVPNESQA-----
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XP_346819.1 RKFKKFNKVRVMRAL DGVALPQSVGLPNESQT-----
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BAC11011.1 FTFS PGQDIQLI PPLINLLMSIEPDVIYAGHDNTK-----
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ANDR_HUMAN RKLKKGNLKQLQEEGEASSTTSPTTEETTQKLT-----
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