

CLUSTAL W (1.83) multiple sequence alignment

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KNIR_DROVI          CKVCGEPAAGFHFGAFTCEGCKSFFGRSYNNIST-----ISECKN-----DGKCIID
NP_524187.1        CKVCGEPAAGFHFGAFTCEGCKSFFGRSYNNIST-----ISECKN-----EGKCIID
NP_788552.1        CKVCGEPAAGFHFGAFTCEGCKSFFGRSYNNLSS-----ISDCKN-----NGECIIN
EGON_DROME         CKVCGEPAAGFHFGAFTCEGCKSFFGRTYNNIAA-----IAGCKH-----NGDCVIN
1411299B          CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYSCKYD-----SCCVID
CAA68539.1        CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYSCKYD-----SCCVID
THA1_SHEEP        CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYSCKYD-----SCCVID
THA_MOUSE         CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYSCKYD-----SCCVID
THA_PIG           CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYSCKYD-----SCCVID
NP_990644.1       CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYSCKYD-----GCCVID
THA_CAIMO         CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYSCKYD-----GCCVID
THA_APTPA         CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYSCKYD-----GCCVID
ERBA_AVIER        CVVCGDKATGYHYRCITCEGCKSFFRRTIQKNLH-----PTYSCTYD-----GCCVID
THA_PYGAD         CVVCGDKATGYHYRCITCAGCKGFFRRTIQKNLH-----PTYSCKYD-----GCCVID
THAB_XENLA        CVVCSDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PSYSCKYD-----GCCIID
THA_RANCA         CVVCSDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PSYSCKYD-----GCCIID
THAA_XENLA        CVVCSDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PSYSCKYD-----GCCIID
NP_571471.1       CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PSYSCKYD-----SCC IID
THAB_PAROL        CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PSYSCKYD-----CCCIID
THA_SALSA         CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PAYSCKYD-----GCCIID
THAA_PAROL        CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PSYSCKYE-----GCCIID
THA_HIPHI         CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PAYSCKYE-----GCCIID
NP_000452.2       CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PSYSCKYE-----GKCVID
THB2_HUMAN        CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PSYSCKYE-----GKCVID
NP_033406.1       CVVCGDKATGYHYRCITCEGCKGFFRRTIQKSLH-----PSYSCKYE-----GKCIID
THB2_RAT          CVVCGDKATGYHYRCITCEGCKGFFRRTIQKSLH-----PSYSCKYE-----GKCIID
THB1_MOUSE        CVVCGDKATGYHYRCITCEGCKGFFRRTIQKSLH-----PSYSCKYE-----GKCIID
THB1_RAT          CVVCGDKATGYHYRCITCEGCKGFFRRTIQKSLH-----PSYSCKYE-----GKCIID
THB1_SHEEP        CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PSYSCKYE-----GKCVID
THB_CHICK         CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PTYSCKYE-----GKCVID
THBA_XENLA        CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PSYSCKYE-----GKCVID
THB_RANCA         CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PSYSCKYE-----GKCVID
THBB_XENLA        CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH-----PSYSCKYE-----GKCVID
NP_571415.1       CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLN-----PTYACKYE-----GKCVID
THB_PAROL         CVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLN-----PTYACKYE-----GKCVID
NHR1_ONCVO        CVVCGDDATGLHYRAITCEGCKGFFRRTVQQKI-----VYKCKSI-----ERCEIS
NP_000367.1       CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----LFTCPFN-----GDCRIT
VDR_BOVIN         CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----LFTCPFN-----GDCRIT
AAK48863.1        CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----LFTCPFN-----GDCRIT
NP_058754.1       CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----LFTCPFN-----GDCRIT
VDR_MOUSE         CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----LFTCPFN-----GDCRIT
NP_990429.1       CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----MFTCPFN-----GDCKIT
VDR_COTJA         CGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKA-----MFTCPFS-----GDCKIT
VDR_XENLA         CGVCGDKATGFHFNAMTCEGCKGFFRRSMKRKA-----MFTCPFN-----GDCRIT
NP_035066.1       CRVCGDKANGYHFNVMTCGCKGFFRRAMKRN-----RLRCPFRK-----GTCEIT
NP_443212.1       CRVCGDKANGYHFNVMTCGCKGFFRRAMKRN-----RLRCPFRK-----GTCEIT
CAB55489.1        CRVCGDKATGYHFNVMTCGCKGFFRRAMKRNA-----RLRCPFRK-----GACEIT
AAM76230.1        CVVCGDQATGYHFHALTCEGCKGFFRRTVSKSI-----GPTCPFA-----GSCEVS
NP_005113.1       CVVCGDQATGYHFHALTCEGCKGFFRRTVSKSI-----GPTCPFA-----GSCEVS
NP_033933.1       CVVCGDRATGYHFHALTCEGCKGFFRRTVSKTI-----GPICPFA-----GRCEVS
NP_075230.1       CVVCGDRATGYHFHALTCEGCKGFFRRTVSKTI-----GPICPFA-----GRCEVS
BAD00038.1        CMVCGDRATGYHFHALTCEGCKGFFRRTVSKNT-----GLTCPFA-----GSCKVN
BAD00039.1        CMVCGDRATGYHFHALTCEGCKGFFRRTVSKNT-----GLTCPFA-----GNCKVN
NH48_CAEL         CRVCGDKAFSYNFNVITCESCKAFFRRNANKEK-----EIRCPFN-----EQCEIN
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NP_524493.1 CAVCGDKALGYNFNAVTCESCKAFFRRNALAKK-----QFTCPFN-----QNCDIT
NP_741445.1 CTVCSDRANGYNFVGLTTCESCKAFFRRNASKHK-----EIKCPFS-----DSCQIT
AAD16050.1 CSVCGDKASGFHYNVLSCEGCKGFFRRSVIKG-----ARYVCHSG-----GHCPMD
NP_113815.1 CSVCGDKASAFHYNVLSCEGCKGFFRRSVIKG-----ARYICHSG-----GHCPMD
NRH3_HUMAN CSVCGDKASGFHYNVLSCEGCKGFFRRSVIKG-----AHYICHSG-----GHCPMD
NP_033499.1 CRVCGDKASGFHYNVLSCEGCKGFFRRSVVHGGA-----GRYACRGS-----GTCQMD
NRH2_RAT CRVCGDKASGFHYNVLSCEGCKGFFRRSVVHGGA-----GRYACRGS-----GTCQMD
NP_009052.1 CRVCGDKASGFHYNVLSCEGCKGFFRRSVVHGGA-----RRYACRGG-----GTCQMD
ECR_AEDAE CLVCGDRESGYHYNALTCESCKGFFRRSVTKN-----AVYCKCFG-----HACEMD
ECR_CHITE CLVCGDRASGYHYNALTCESCKGFFRRSVTKN-----AVYCKCFG-----HECEMD
ECR_LUCCU CLVCGDRASGYHYNALTCESCKGFFRRSVTKN-----AVYCKCFG-----HACEMD
NP_724460.1 CLVCGDRASGYHYNALTCESCKGFFRRSVTKS-----AVYCKCFG-----RACEMD
ECR_HELVI CLVCGDRASGYHYNALTCESCKGFFRRSVTKN-----AVYICKFG-----HACEMD
ECR_MANSE CLVCGDRASGYHYNALTCESCKGFFRRSVTKN-----AVYICKFG-----HACEMD
ECR_BOMMO CLVCGDRASGYHYNALTCESCKGFFRRSVTKN-----AVYICKFG-----HACEMD
NRH4_HUMAN CVVCGDRASGYHYNALTCESCKGFFRRSITKN-----AVYKCKNG-----GNCVMD
NRH4_MOUSE CVVCGDRASGYHYNALTCESCKGFFRRSITKN-----AVYKCKNG-----GNCVMD
NP_068513.1 CVVCGDRASGYHYNALTCESCKGFFRRSITKN-----AVYKCKNG-----GNCVMD
NP_004950.2 CPVCGDKVSGYHYGLLTCESCKGFFKRTVQN-----NKHYTCTE-----SQSCKID
NP_776828.1 CPVCGDKVSGYHYGLLTCESCKGFFKRTVQN-----NKHYTCTE-----SQSCKID
NP_445796.1 CPVCGDKVSGYHYGLLTCESCKGFFKRTVQN-----NKHYTCTE-----SQSCKID
STF1_MOUSE CPVCGDKVSGYHYGLLTCESCKGFFKRTVQN-----NKHYTCTE-----SQSCKID
AAG35648.1 CPVCGDKVSGYHYGLLTCESCKGFFKRTVQN-----NKHYTCTE-----SQSCKID
STF1_PIG CPVCGDKVSGYHYGLLTCETCKGFFKRTVQN-----NKHYTCTE-----SQSCKID
AAK94918.1 CPVCGDKVSGYHYGLLTCESCKGFFKRTVQN-----NKHYTCTE-----SQNCKID
NP_990409.1 CPVCGDKVSGYHYGLLTCESCKGFFKRTVQN-----NKRYTCIE-----NQNCQID
NP_995582.1 CPVCGDKVSGYHYGLLTCESCKGFFKRTVQN-----NKRYTCIE-----NQNCQID
NP_109601.1 CPVCGDKVSGYHYGLLTCESCKGFFKRTVQN-----QKRYTCIE-----NQNCQID
FTF1_BOMMO CPVCGDKVSGYHYGLLTCESCKGFFKRTVQN-----KKVYTCVA-----ERACHID
NP_524143.2 CPVCGDKVSGYHYGLLTCESCKGFFKRTVQN-----KKVYTCVA-----ERSCHID
NH25_CAEEL CPVCGDRVSGYHYGLLTCESCKGFFKRTVQN-----KKQYQCSA-----EANCHVD
AAA28543.1 CPICGDKISGFHYGIFSCESCKGFFKRTVQN-----RKNYVCVR-----GGPCQVS
NP_034394.1 CLICGDRATGLHYGIISCEGCKGFFKRSICN-----KRVYRCR-----DKNCVMS
NR61_HUMAN CLICGDRATGLHYGIISCEGCKGFFKRSICN-----KRVYRCR-----DKNCVMS
AAG09282.1 CLICGDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
PRGR_SHEEP CLICGDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
PRGR_RABIT CLICGDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
PRGR_HUMAN CLICGDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
NP_032855.1 CLICGDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
NP_074038.1 CLICGDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
NP_990593.1 CLICGDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
AAN63590.1 CLICSDEASGCHYGALTCGSCKVFFKRAIEG-----QHNYLCAG-----RNDCIID
GCR_SAGOE CLVCSDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
GCR_SAIBB CLVCSDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
GCR_AOTNA CLVCSDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
GCR_SAISC CLVCSDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
NP_000167.1 CLVCSDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
GCR_PIG CLVCSDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
GCR_TUPGB CLVCSDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
GCR_RABIT CLVCSDEASGCHYGVLTCGSCKVFFKRAVKG-----QHNYLCAG-----RNDCIID
GCR_RAT CLVCSDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
NP_032199.1 CLVCSDEASVCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
GCR_CAVPO CLVCSDELSGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
GCR_XENLA CLVCSDEASGCHYGVLTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
GCR_SHEEP CLVCSDEASGCHYGVLTCGSCKVFFKRAVEG-----QH-----
GCR_ONCMY CLVCSDEASGCHYGVLTCGSCKVFFKRAVEGWRRARQNTDQHNLYCAG-----RNDCIID
GCR_PAROL CLVCSDEASGCHYGVVTCGSCKVFFKRAVEGWRRARQNTDQHNLYCAG-----RNDCIID

MCR_MOUSE CLVCGDEASGCHYGVVTCGSCKVFFKRAVE-----HNYLCAG-----RNDCIID
NP_037263.1 CLVCGDEASGCHYGVVTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
MCR_TUPGB CLVCGDGASGCHYGVVTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
MCR_SAISC CLVCGDEASGCHYGVVTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
NP_000892.1 CLVCGDEASGCHYGVVTCGSCKVFFKRAVEG-----QHNYLCAG-----RNDCIID
MCR_XENLA CLVCGDEASGCHYGVVTCGSCKVFFKRAVEGKCSR-----QHSYLCAG-----RNDCIID
AAG37994.1 CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYL CAS-----RNDCTID
ANDR_EULFC CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYL CAS-----RNDCTID
ANDR_CANFA CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYL CAS-----RNDCTID
AAS19691.1 CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYL CAS-----RNDCTID
ANDR_PAPHA CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYL CAS-----RNDCTID
ANDR_MACFA CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYL CAS-----RNDCTID
ANDR_HUMAN CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYL CAS-----RNDCTID
ANDR_PANTR CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYL CAS-----RNDCTID
AAM96904.1 CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYL CAS-----RNDCTID
ANDR_RABIT CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYL CAS-----RNDCTID
NP_036634.1 CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYL CAS-----RNDCTID
NP_038504.1 CLICGDEASGCHYGALTCGSCKVFFKRAAEG-----KQKYL CAS-----RNDCTID
AAP85538.1 CLSCEDEASGCHYEALTCGSCKVFFKRAAEG-----NQKYL CAS-----RNDCTID
AAQ93376.1 CLVCGDIASGYHYGVASCEACKAFFKRTIQG-----NIEYSCPA-----TNECEIT
NP_036065.1 CLVCGDIASGYHYGVASCEACKAFFKRTIQG-----NIEYSCPA-----TNECEIT
ERR2_RAT CLVCGDIASGYHYGVASCEACKAFFKRTIQG-----NIEYSCPA-----TNECEIT
NP_004443.2 CLVCGDIASGYHYGVASCEACKAFFKRTIQG-----NIEYSCPA-----TNECEIT
ERR2_MOUSE CLVCGDIASGYHYGVASCEACKAFFKRTIQG-----NIEYNCPA-----TNECEIT
ERR1_HUMAN CLVCGDVASGYHYGVASCEACKAFFKRTIQG-----SIEYSCPA-----SNECEIT
ERR1_MOUSE CLVCGDVASGYHYGVASCEACKAFFKRTIQG-----SIEYSCPA-----SNECEIT
AAS46251.1 CAVCNDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
ESR1_PIG CAVCNDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
ESR1_HORSE CAVCNDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
NP_031982.1 CAVCNDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
NP_036821.1 CAVCNDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
ESR1_MESAU CAVCNDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
ESR1_HUMAN CAVCNDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
ESR1_XENLA CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
ESR1_POEGU CAVCNDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
NP_990514.1 CAVCNDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
ESR1_SHEEP CAVCNDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
ESR1_OREAU CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
ESR1_ORENI CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
ESR1_ONCMY CAVCSDFASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTMD
ESR1_SALSA CAVCSDFASGYHYGFWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTMD
ESR1_PAGMA CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
ESR1_SPAAU CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
ESR1_ORYLA CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYMCPA-----TNQCTID
BAB16893.1 CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYVCPA-----TNQCTID
ESR1_ICTPU CSVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYVCPA-----TNQCTID
ERB1_CARAU CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
ESR2_ONCMY CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
ESR2_SPAAU CAVCHDYASGYHYGVWSCEGCKAFFKRSIQR-----HNDYICPA-----TNQCTID
ESR3_MICUN CAVCHDYASGYHYGVWSCEGCKAFFKRSIQR-----DNEYICPA-----TNECTID
ESR2_ORENI CAVCHDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
ERB2_CARAU CAVCHDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
ESR2_ANGJA CAVCHDYASGYHYGVWSCEGCKAFFKRSIQG-----HNGYICPA-----TNQCTID
ESR2_MICUN CAVCHDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
ESR2_ICTPU CAVCHDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
ESR2_BOVIN CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
ESR2_SHEEP CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID

ESR2_MOUSE	CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
ESR2_RAT	CPVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
ESR2_CALJA	CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
NP_001428.1	CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
ESR2_PIG	CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
ESR2_COTJA	CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
NP_990125.1	CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
ESR2_STUVU	CAVCSDYASGYHYGVWSCEGCKAFFKRSIQG-----HNDYICPA-----TNQCTID
CAA42718.1	CAVCGDNASCQHYGVRTCEGCKGFFKRTVQK-----SAKYICLA-----NKDCPVD
NR41_RAT	CAVCGDNASCQHYGVRTCEGCKGFFKRTVQK-----SAKYICLA-----NKDCPVD
NP_002126.2	CAVCGDNASCQHYGVRTCEGCKGFFKRTVQK-----NAKYICLA-----NKDCPVD
NR41_CANFA	CAVCGDNASCQHYGVRTCEGCKGFFKRTVQK-----NAKYICLA-----NKDCPVD
NR42_XENLA	CAVCGDNASCQHYGVRTCEGCKGFFKRTVQK-----NAKYICLA-----NKDCPVD
HR38_BOMMO	CAVCGDTAACQHYGVRTCEGCKGFFKRTVQK-----GSKYVCLA-----EKSCPVD
HR38_DROME	CAVCGDTAACQHYGVRTCEGCKGFFKRTVQK-----GSKYVCLA-----DKNCPVD
NP_038641.1	CAVCGDNAACQHYGVRTCEGCKGFFKRTVQK-----NAKYVCLA-----NKNCPPVD
NR42_RAT	CAVCGDNAACQHYGVRTCEGCKGFFKRTVQK-----NAKYVCLA-----NKNCPPVD
NP_006177.1	CAVCGDNAACQHYGVRTCEGCKGFFKRTVQK-----NAKYVCLA-----NKNCPPVD
NP_008912.2	CAVCGDNAACQHYGVRTCEGCKGFFKRTVQK-----NAKYVCLA-----NKNCPPVD
NP_113816.1	CAVCGDNAACQHYGVRTCEGCKGFFKRTVQK-----NAKYVCLA-----NKNCPPVD
NP_056558.1	CAVCGDNAACQHYGVRTCEGCKGFFKRTVQK-----NAKYVCLA-----NKNCPPVD
NP_497731.1	CAVCNDRAVCLHYGARTCEGCKGFFKRTVQK-----NSKYTCAG-----NKTCPID
7UP2_DROME	CVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLT-----YSCR-----GSRNCPID
NP_524325.1	CVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLT-----YSCR-----GSRNCPID
NP_066285.1	CVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLS-----YTCR-----ANRNCPID
NP_989752.1	CVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLS-----YTCR-----ANRNCPID
NP_542956.1	CVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLS-----YTCR-----ANRNCPID
CAA54096.1	CVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLS-----YTCR-----ANRNCPID
NP_776827.1	CVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLS-----YTCR-----ANRNCPID
NP_005645.1	CVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLT-----YTCR-----ANRNCPID
NP_034281.1	CVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLT-----YTCR-----ANRNCPID
NP_786998.1	CVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLT-----YTCR-----ANRNCPID
NP_571255.1	CVVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLT-----YTCR-----ANRNCPID
NP_571261.1	CMVCGDKSSGKHYGQFTCEGCKSFFKRSVRRNLS-----YTCR-----GNRDCPID
EAR2_MOUSE	CVVCGDKSSGKHYGVFTCEGCKSFFKRTIRRNLNLS-----YTCR-----SNRDCQID
NP_620813.1	CVVCGDKSSGKHYGVFTCEGCKSFFKRTIRRNLNLS-----YTCR-----SNRDCQID
NP_005225.2	CVVCGDKSSGKHYGVFTCEGCKSFFKRSIRRNLNLS-----YTCR-----SNRDCQID
AAH54649.1	CAICGDRSSGKHYGVYSCEGCKGFFKRTVRKDLNLS-----YTCR-----DNKDCLVD
NP_571313.1	CAICGDRSSGKHYGVYSCEGCKGFFKRTVRKDLNLS-----YTCR-----DNKECLVD
NP_035435.1	CAICGDRSSGKHYGVYSCEGCKGFFKRTVRKDLT-----YTCR-----DNKDCLID
NP_036937.1	CAICGDRSSGKHYGVYSCEGCKGFFKRTVRKDLT-----YTCR-----DNKDCLID
NP_002948.1	CAICGDRSSGKHYGVYSCEGCKGFFKRTVRKDLT-----YTCR-----DNKDCLID
RXRA_XENLA	CAICGDRSSGKHYGVYSCEGCKGFFKRTVRKDLT-----YTCR-----DSKDCMID
NP_571228.1	CAICGDRSSGKHYGVYSCEGCKGFFKRTVRKDLT-----YTCR-----DNKDCMID
RXRA_BRARE	CAICGDRSSGKHYGVYSCEGCKGFFKRTIRKDLT-----YTCR-----DNKDCQID
NP_008848.1	CAICGDRSSGKHYGVYSCEGCKGFFKRTIRKDLI-----YTCR-----DNKDCLID
NP_033133.1	CAICGDRSSGKHYGVYSCEGCKGFFKRTIRKDLI-----YTCR-----DNKDCLID
NP_990625.1	CAICGDRSSGKHYGVYSCEGCKGFFKRTIRKDLI-----YTCR-----DNKDCLID
RXRG_XENLA	CAICGDRSSGKHYGVYSCEGCKGFFKRTIRKDLV-----YTCR-----DSKDCLID
NP_035436.1	CAICGDRSSGKHYGVYSCEGCKGFFKRTIRKDLT-----YSCR-----DNKDCTVD
RXRB_RAT	CAICGDRSSGKHYGVYSCEGCKGFFKRTIRKDLT-----YSCR-----DNKDCTVD
S37781	CAICGDRSSGKHYGVYSCEGCKGFFKRTIRKDLT-----YSCR-----DNKDCTVD
USP_BOMMO	CSICGDRASGKHYGVYSCEGCKGFFKRTVRKDLT-----YACR-----EDKNCIID
USP_MANSE	CSICGDRASGKHYGVYSCEGCKGFFKRTVRKDLT-----YACR-----EDRNCIID
USP_CHOFU	CSICGDRASGKHYGVYSCEGCKGFFKRTVRKDLNLS-----YACR-----EERNCIID
NP_476781.1	CSICGDRASGKHYGVYSCEGCKGFFKRTVRKDLT-----YACR-----ENRNCIID
NP_059019.1	CVVCGDKASGRHYGAVSCEGCKGFFKRSVRKNLT-----YSCR-----SSQDCIIN

TR4_MOUSE	CVVCGDKASGRHYGAVSCEGCKGFFKRSVRKNLT-----YSCR-----SSQDCIIN
TR4_HUMAN	CVVCGDKASGRHYGAVSCEGCKGFFKRSVRKNLT-----YSCR-----SNQDCIIN
TR2_HUMAN	CVVCGDKASGRHYGAVTCEGCKGFFKRSIRKNLV-----YSCR-----GSKDCIIN
HR78_DROME	CLVCGDRASGRHYGAISCEGCKGFFKRSIRKQLG-----YQCR-----GAMNCEVT
NH41_CAEEL	CVVCGDKASGRHYGAVSCEGCKGFFKRSIRKRIG-----YVCR-----SQKDCPVT
NP_003260.1	CKVCGDRSSGKHYGVYACDGCSGFFKRSIRRNR-----YVCK---SGNQGGCPVD
NP_689415.1	CKVCGDRSSGKHYGVYACDGCSGFFKRSIRRNR-----YVCK---SGNQGGCPVD
NP_990501.1	CKVCGDRSSGKHYGVYACDGCSGFFKRSIRRNR-----YVCK---SGNQGGCPVD
NR21_ORYLA	CKVCGDRSSGKHYGVYACDGCSGFFKRSIRRNR-----YLCK---SGSQGGCPVD
NR21_XENLA	CKVCGDRSSGKHYGVYACDGCSGFFKRSIRRNR-----YVCK---SGNQGGCPVD
NP_524596.1	CKVCRDHSSGKHYGIYACDGCAGFFKRSIRRSRQ-----YVCK---SQKQGLCVVD
TLL_DROVI	CKVCRDHSSGKHYGIYACDGCAGFFKRSIRRSRQ-----YVCK---SQKQGLCVVD
NP_502094.1	CRVCGDHSSGKHYGIFSCDGCAGFFKRSIRRRHQ-----YVCKNKGSPSEGCCKVD
NP_038736.1	CRVCGDSSSGKHYGIYACNGCSGFFKRSVRRRLI-----YRCQ---VGAGMCPVD
NP_055064.1	CRVCGDSSSGKHYGIYACNGCSGFFKRSVRRRLI-----YRCQ---VGAGMCPVD
NP_497074.1	CAVCGDVALGKHYGVNACNGCKGFFRRSIWKNRT-----YACR-----HGGKCLVA
NP_501775.1	CDVCGDVAFGKHYGINACNGCKGFFRRSVWSRRQ-----YSCR-----FGGDCPVV
CAA54248.1	CAICGDRATGKHYGASSCDGCKGFFRRSVRKNHM-----YSCR-----SRQCVVD
NP_032287.1	CAICGDRATGKHYGASSCDGCKGFFRRSVRKNHM-----YSCR-----SRQCVVD
NP_071516.1	CAICGDRATGKHYGASSCDGCKGFFRRSVRKNHM-----YSCR-----SRQCVVD
HN4A_XENLA	CAICGDRATGKHYGASSCDGCKGFFRRSVRKNHM-----YSCR-----SRQCVVD
HN4B_XENLA	CAICGDRATGKHYGASSCDGCKGFFRRSVRKNHV-----YACR-----SRQCIVD
HN4G_HUMAN	CAICGDRATGKHYGASTCDGCKGFFRRSIRKSHI-----YSCR-----SRQCVVD
HN4G_MOUSE	CAICGDRATGKHYGASSCDGCKGFFRRSIRKSHV-----YSCR-----SRQCVVD
S36218	CAICGDRATGKHYGASSCDGCKGFFRRSVRKNHQ-----YTCT-----ARNCVVD
NP_492615.2	CHICNDKSTGKHYGAI SCDGCKGFFRRSIRKRYH-----YQCR-----EQNCDVT
NP_491103.1	CAICGDRATGKHYGAMSCDGCCKGFFRRTIRKRHS-----YVCR-----GEKQVD
NH35_CAEEL	CHICSDVATGRHYGAIACNGCKGFFRRTVRRNRYE-----YHCR-----ESKCEID
NP_496066.2	CLICGEPSTGKHYGIVACLGCKTFFRRAVQRQD-----TECKR-----EKPCDVT
NH14_CAEEL	CVVCGDKAIGKHYGAVACNGCKGFFRRSVWQNLQ-----YTCT-----NKQCNID
NP_492612.1	CAVCGDKSTGTHYGVISCNCGCKGFFRRTVLRDQK-----FTCR-----NKRCVID
NHR1_CAEEL	CAVCSDLATGYHYGVASCNGCKTFFRRTIVSEQT-----FICQY-----NGNCDVN
NP_498554.1	CLVCSDISTGYHYGVPSNCGCKTFFRRTIMKNQT-----FSCQF-----QGKCPVD
NP_504455.1	CAVCCDIATGKHYSVASCNGCKTFFRRALVNNRE-----FVCQG-----NKDCPVN
NH40_CAEEL	CVVCSDFASGIHYSVASCNGCKTFFRRALVKNQT-----FTCQF-----SGDCVVG
NP_502117.2	CAVCGDTPAKIHYGVLACFGCKGFFRRAVKDGRNK-----YVCR-----EKNCEVT
NP_741456.1	CAVCGDGIAKLHYGVLACYGCKGFFRRTLT -GKYR-----YACR-----SNNCIVD
NP_510423.1	CSVCCDEASGRHYGVVACFGCKGFFRRTVRAGKN-----YVCRY-----SKKCRID
NP_000957.1	CFVCNDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCIIN
RRG2_HUMAN	CFVCNDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCIIN
RRG2_MOUSE	CFVCNDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCIIN
A34714	CFVCNDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCIIN
RRG_NOTVI	CFVCNDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCQIN
RRG_XENLA	CFVCNDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCQIN
AAB59953.1	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCQIN
NP_571414.1	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCQIN
AAD05222.1	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCIIN
RRA_MOUSE	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCIIN
NP_989867.1	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCIIN
RRA_XENLA	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCIIN
RRA_NOTVI	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKTCIIN
RRB_COTJA	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCVIN
S13512	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----DKNCVIN
RRB_HUMAN	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MIYT-CHR-----DKNCVIN
RRB_MOUSE	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MIYT-CHR-----DKNCVIN
RRB_NOTVI	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MIYT-CHR-----DKNCVIN
RRA_FUGRU	CFVCQDKSSGYHYGVSSCEGCKGFFRRSIQKN-----MVYT-CHR-----EKNCIIN

AAA19972.1 CRVCGDKASGFHYGVHACEGCKGFFRRTIRMK-----LEYEKCDR-----I--CKIQ
NP_006229.1 CRVCGDKASGFHYGVHACEGCKGFFRRTIRMK-----LEYEKCDR-----S--CKIQ
CAA40856.1 CRICGDKASGYHYGVHACEGCKGFFRRTIRLK-----LVYDKCDR-----S--CKIQ
NP_037328.1 CRICGDKASGYHYGVHACEGCKGFFRRTIRLK-----LAYDKCDR-----S--CKIQ
CAA68898.1 CRICGDKASGYHYGVHACEGCMGFFRRTIRLK-----LVYDKCDR-----S--CKIQ
PPAR_PHACI CRICGDKASGYHYGVHACEGCKGFFRRTIRLK-----LAYDKCDR-----S--CKIQ
PPAR_CANFA CRICGDRASGYHYGVHACEGCKGFFRRTIRLK-----LAYDKCDR-----S--CKIQ
PPAR_CAVPO CRICGDKASGYHYGVHACEGCKGFFRRTIRLK-----LVYDKCDR-----S--CKIQ
PPAR_XENLA CRVCSDKASGFHYGVHACEGCKGFFRRTIRLK-----LVYDRCDR-----M--CKIQ
PPAS_XENLA CKICGDRASGFHYGVHACEGCKGFFRRTIRMR-----LQYEHCDR-----N--CKIQ
NP_851367.1 CRVCGDKASGFHYGVHACEGCKGFFRRTIRLK-----LIYDRCDL-----N--CRIH
PPAT_PIG CRVCGDKASGFHYGVHACEGCKGFFRRTIRLK-----LIYDRCDL-----N--CRIH
PPAT_CRIGR CRVCGDKASGFHYGVHACEGCKGFFRRTIRLK-----LIYDRCDL-----N--CRIH
PPAT_MACMU CRVCGDKASGFHYGVHACEGCKGFFRRTIRLK-----LIYDRCDL-----N--CRIH
CAA73382.2 CRVCGDKASGFHYGVHACEGCKGFFRRTIRLK-----LIYDRCDL-----N--CRIH
NP_056953.2 CRVCGDKASGFHYGVHACEGCKGFFRRTIRLK-----LIYDRCDL-----N--CRIH
NP_035276.1 CRVCGDKASGFHYGVHACEGCKGFFRRTIRLK-----LIYDRCDL-----N--CRIH
PPAT_RABIT CRVCSDKASGFHYGVHACEGCKGFFRRTIRLK-----LIYDRCDL-----N--CRIH
PPAT_XENLA CRVCGDKASGFHYGVHACEGCKGFFRRTIRLK-----LIYERCDL-----N--CRIH
CAB53540.1 CKVCGDVASGFHYGVLACEGCKGFFRRSIQQN-----IQYKRCLK-----NENCSIV
NP_665718.1 CKVCGDVASGFHYGVHACEGCKGFFRRSIQQN-----IQYKRCLK-----NENCSIV
NP_035714.2 CKVCGDVASGFHYGVHACEGCKGFFRRSIQQN-----IQYKCLK-----NENCSIM
NRD2_HUMAN CKVCGDVASGFHYGVHACEGCKGFFRRSIQQN-----IQYKCLK-----NENCSIM
NRD2_RAT CKVCGDVASGFHYGVHACEGCKGFFRRSIQQN-----IQYKCLK-----NENCSIM
E75_CHOFU CRVCGDKASGFHYGVHSCGCKGFFRRSIQQK-----IQYRPCTK-----NQQCSIL
E75_MANSE CRVCGDKASGFHYGVHSCGCKGFFRRSIQQK-----IQYRPCTK-----NQQCSIL
E75A_DROME CRVCGDKASGFHYGVHSCGCKGFFRRSIQQK-----IQYRPCTK-----NQQCSIL
E75_GALME CRVCGDKASGFHYGVHSCGCKGFFRRSIQQK-----IQYRPCTK-----NQQCSIL
E75_METEN CRVCGDKASGFHYGVHSCGCKGFFRRSIQQK-----IQYRPCTK-----NQQCSIL
E75C_DROME CRVCGDKASGFHYGVHSCGCKGFFRRSIQQK-----IQYRPCTK-----NQQCSIL
NP_493284.1 CQVCSDKASGFHYGVFACEGCKGFFRRSIQQK-----ITYRACTR-----AEDCLIL
AAH14804.1 CKICGDKSSGIHYGVITCEGCKGFFRRSQQCN-----VAYS-CTR-----QQNCPID
RORG_HUMAN CKICGDKSSGIHYGVITCEGCKGFFRRSQRCN-----AAYS-CTR-----QQNCPID
AAH58269.1 CKICGDKSSGIHYGVITCEGCKGFFRRSQQNN-----ASYS-CPR-----QRNCLID
RORB_RAT CKICGDKSSGIHYGVITCEGCKGFFRRSQQNN-----ASYS-CPR-----QRNCLID
RORB_HUMAN CKICGDKSSGIHYGVITCEGCKGFFRRSQQNN-----ASYS-CPR-----QRNCLID
NP_038674.1 CKICGDKSSGIHYGVITCEGCKGFFRRSQQSN-----ATYS-CPR-----QKNCLID
NP_599022.1 CKICGDKSSGIHYGVITCEGCKGFFRRSQQSN-----ATYS-CPR-----QKNCLID
HR3_GALME CKVCGDKSSGVHYGVITCEGCKGFFRRSQSTV-----VNYQ-CPR-----NKACVVD
HR3_MANSE CKVCGDKSSGVHYGVITCEGCKGFFRRSQSTV-----VNYQ-CPR-----NKACVVD
NP_788303.1 CKVCGDKSSGVHYGVITCEGCKGFFRRSQSSV-----VNYQ-CPR-----NKQCVVD
NP_740887.1 CKVCGDKSSGVHYGVITCEGCKGFFRRSQSSI-----VNYQ-CPR-----QKNCVVD
E78A_DROME CKVCGDKASGYHYGVTSCEGCKGFFRRSIQKQ-----IEYR-CLR-----DGKCLVI
NP_509713.2 CKVCGDKASGYHYGVTSCEGCKGFFRRSIQRK-----IDYR-CLK-----QQVCEIK
NHR2_CAEEL CMVCGDNSTGYHYGVQSCEGCKGFFRRSVHKN-----IAYV-CTK-----GENCTFS
NP_494785.1 CAICQESAEGFHFHGAACRACAAFFRRTVSNR-----KTYSCQG-----NNDCDVT
NP_503561.2 CSICREDGDGYHFGAEACRACAAFFRRSVSLD-----KTYLRCG-----NNDCEIT
NP_505589.1 CAVCNEVDGLHFGAEACRACAAFFRRSVALS-----KKEYCRA-----GRNCEVS
NP_510659.1 CSVCGEAGDGAHFGAEACRACAAFFRRSVALN-----KAYVCRA-----MGTCVIQ
NP_741644.1 CLICCEVADGHHFGAAACRACAAFFRRTVQLN-----KVHDCPK-----NGQCFIL
NP_504771.1 CLICGDSADSLHFGALSCRACAAFFRRKAVGR-----RNIFRRC-----DRQCKVD
NP_503608.2 CEVCGDKTSGRHFVMSRACAAFFRRAATWN-----LEKRICP-----NGTCHTS
NP_507680.1 CKVCGDTGNGMHFGAFTCRACAAFFRRAASRK-----FLR-----KGENH

* * : : : * * * *

KNIR_DROVI KKN-----RTTCKACRLRKCYNVGMCKGG-----SRYGRRSNWFK
NP_524187.1 KKN-----RTTCKACRLRKCYNVGMCKGG-----SRYGRRSNWFK

NP_788552.1	KKN-----RTACKACRLKCKLMVGMKSKSG-----SRYGRRSNWFK
EGON_DROME	KKN-----RTACKACRLRCKLLVGMKSKSG-----SRYGRRSNWFK
1411299B	KIT-----RNQCQLCRFKKCI AVAMAMD L----VLDD S-----KRV-AKRKLIE
CAA68539.1	KIT-----RNQCQLCRFKKCI AVAMAMD L----VLDD S-----KRV-AKRKLIE
THA1_SHEEP	KIT-----RNQCQLCRFKKCI AVGMAMD L----VLDD S-----KRV-AKRKLIE
THA_MOUSE	KIT-----RNQCQLCRFKKCI AVGMAMD L----VLDD S-----KRV-AKRKLIE
THA_PIG	KIT-----RNQCQLCRFKKCI AVGMAMD L----VLDD S-----KRV-AKRKLIE
NP_990644.1	KIT-----RNQCQLCRFKKCI SVGMAMD L----VLDD S-----KRV-AKRKLIE
THA_CAIMO	KIT-----RNQCQLCRFKKCI SVGMAMD L----VLDD S-----KRV-AKRKLIE
THA_APTPA	KIT-----RNQCQLCRFKKCI SVGMAMD L----VLDD S-----KRV-AKRKLIE
ERBA_AVIER	KIT-----RNQCQLCRFKKCI SVGMAMD L----VLDD S-----KRV-AKRKLIE
THA_PYGAD	KIT-----RNQCQLCRFKKCI SVGMAMD L----VLYD S-----KRV-AKRKLIE
THAB_XENLA	KIT-----RNQCQLCRFKKCI AVGMAMD L----VLDD S-----KRV-AKRKLIE
THA_RANCA	KIT-----RNQCQLCRFKKCI AVGMAMD L----VLDD S-----KRV-AKRKLIE
THAA_XENLA	KIT-----RNQCQLCRFKKCI AVGMAMD L----VLDD G-----KRV-AKRKLIE
NP_571471.1	KIT-----RNQCQLCRFRKCI SVGMAMD L----VLDD S-----KRV-AKRRLIE
THAB_PAROL	KIT-----RNQCQLCRFKKCI AVGMAMD L----VLDD S-----KRV-AKRRLIE
THA_SALSA	KIT-----RNQCQLCRFRKCI AVCMAMD L----VLDD S-----KRV-AKRRLIE
THAA_PAROL	KIT-----RNQCQLCRFKKCI SVGMAMD L----VLDD S-----KRV-AKRRLIE
THA_HIPHI	KIT-----RNQCQLCRFKKCI SVGMAMD L----VLDD S-----KRV-AKRRLIE
NP_000452.2	KVT-----RNQCQECRFKCCI YVGMATD L----VLDD S-----KRL-AKRKLIE
THB2_HUMAN	KVT-----RNQCQECRFKCCI YVGMATD L----VLDD S-----KRL-AKRKLIE
NP_033406.1	KVT-----RNQCQECRFKCCI YVGMATD L----VLDD S-----KRL-AKRKLIE
THB2_RAT	KVT-----RNQCQECRFKCCI YVGMATD L----VLDD S-----KRL-AKRKLIE
THB1_MOUSE	KVT-----RNQCQECRFKCCI YVGMATD L----VLDD S-----KRL-AKRKLIE
THB1_RAT	KVT-----RNQCQECRFKCCI YVGMATD L----VLDD S-----KRL-AKRKLIE
THB1_SHEEP	KVT-----RNQCQECRFKCCI YVGMATD L----VLDD S-----KRL-AKRKLIE
THB_CHICK	KVT-----RNQCQECRFKCCI FVGMATD L----VLDD S-----KRL-AKRKLIE
THBA_XENLA	KVT-----RNQCQECRFKCCI AVGMATD L----VLDD N-----KRL-AKRKLIE
THB_RANCA	KVT-----RNQCQECRFKCCI AVGMATD L----VLDD S-----KRL-AKRKLIE
THBB_XENLA	KVT-----RNQCQECRFKCKT VGMATD L----VLDD S-----KRL-AKRKLIE
NP_571415.1	KVT-----RNQCQECRFKCCI AVGMATD L----VLDD S-----KRL-AKRKLIE
THB_PAROL	KVT-----RNQCQECRFKCCI AVGMATD L----VLDD S-----KRL-AKRKLIE
NHR1_ONCVO	KIS-----RNICQFCRFQKCLRNGMTKSL----VLNET-----ERI-AKRKMII
NP_000367.1	KDN-----RRHCQACRLKRCVDIGMMKEF----ILTDE-----EVQ-RKREMIL
VDR_BOVIN	KDN-----RRHCQACRLKRCVDIGMMKEF----ILTDE-----EVQ-RKREMIL
AAK48863.1	KDN-----RRHCQACRLKRCVDIGMMKEF----ILTDE-----EVQ-RKREMIL
NP_058754.1	KDN-----RRHCQACRLKRCVDIGMMKEF----ILTDE-----EVQ-RKREMIM
VDR_MOUSE	KDN-----RRHCQACRLKRCVDIGMMKEF----ILTDE-----EVQ-RKREMIM
NP_990429.1	KDN-----RRHCQACRLKRCVDIGMMKEF----ILTDE-----EVQ-RKREMIL
VDR_COTJA	KDN-----RRHCQACRLKRCVDIGMMKEF----ILTDE-----EVQ-RKREMIL
VDR_XENLA	KDN-----RRHCQACRLKRCVDIGMMKEF----ILTDE-----EVQ-RKRQMIN
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NP_443212.1	RKT-----RRQCQACRLRKCLESGMKKEM----IMSDA-----AVE-QRRALIK
CAB55489.1	RKT-----RRQCQACRLRKCLESGMKKNEM----IMSDE-----AVE-ERRALIK
AAM76230.1	KIQ-----RRHCPACRLQKCLDAGMRKDM----ILSAE-----ALA-LRRAKQA
NP_005113.1	KTQ-----RRHCPACRLQKCLDAGMRKDM----ILSAE-----ALA-LRRAKQA
NP_033933.1	KAQ-----RRHCPACRLQKCLNVGMRKDM----ILSAE-----ALA-LRRARQA
NP_075230.1	KAQ-----RRHCPACRLQKCLNVGMRKDM----ILSAE-----ALA-LRRARQA
BAD00038.1	KAQ-----RRHCPACRLQKCLDAGMKKEM----ILSAE-----ALA-QRRAKQA
BAD00039.1	KAQ-----RRHCPACRLQKCLDAGMKKEM----ILSAE-----ALV-QRRAKQA
NH48_CAEEEL	MVS-----RRFCQRCRLTKCFAVSLAEKS----HRLEE-----LFVGMKKEWIM
NP_524493.1	VVT-----RRFCQKCLRKCLDIGMKSEN----IMSEE-----DKL-IKRRIE
NP_741445.1	SAS-----RKFCQACRLNKCFVGMNSEW----LNDLK-----PKSSIVSGKFK
AAD16050.1	TYM-----RRKCQECRLRKRQAGMREEC----VLSEE-----QIRLKKLKRQE
NP_113815.1	TYM-----RRKCQECRLRKRQAGMREEC----VLSEE-----QIRLKKLKRQE
NRH3_HUMAN	TYM-----RRKCQECRLRKRQAGMREEC----VLSEE-----QIRLKKLKRQE

NP_033499.1 AFM-----RRKCQLCRLRKCKEAGMREQC----VLSEE-----QIRKKRIQKQQ
 NRH2_RAT AFM-----RRKCQLCRLRKCKEAGMREQC----VLSEE-----QIRKKKIQKQQ
 NP_009052.1 AFM-----RRKCQQLCRLRKCKEAGMREQC----VLSEE-----QIRKKKIRKQQ
 ECR_AEDAE MYM-----RRKCQECRLKCKLAVGMRPEC----VVPEN-----QCAIKRKEKKA
 ECR_CHITE MYM-----RRKCQECRLKCKLAVGMRPEC----VVPEN-----QCAIKRKEKKA
 ECR_LUCCU MYM-----RRKCQECRLKCKLAVGMRPEC----VVPEN-----QCAMKRREKKA
 NP_724460.1 MYM-----RRKCQECRLKCKLAVGMRPEC----VVPEN-----QCAMKRREKKA
 ECR_HELVI IYM-----RRKCQECRLKCKLAVGMRPEC----VVPEN-----QCAMKRKEKKA
 ECR_MANSE MYM-----RRKCQECRLKCKLAVGMRPEC----VVPES-----TCKNKRREKEA
 ECR_BOMMO MYM-----RRKCQECRLKCKLAVGMRPEC----VIQE-----PSKNKDRQR
 NRH4_HUMAN MYM-----RRKCQECRLRKCKEMGMLAECMYTGLLTEI-----QCKSKRLRKNV
 NRH4_MOUSE MYM-----RRKCQECRLRKCKREMGMMLAECMYTGLLTEI-----QCKSKRLRKNV
 NP_068513.1 MYM-----RRKCQDCRLRKCKEMGMLAEC-----LLTEI-----QCKSKRLRKNV
 NP_004950.2 KTQ-----RKRCPCFRFQKCLTVGMRLE----AVR-----ADRMGRGNK-F
 NP_776828.1 KTQ-----RKRCPCFRFQKCLTVGMRLE----AVR-----ADRMGRGNK-F
 NP_445796.1 KTQ-----RKRCPCFRFQKCLTVGMRLE----AVR-----ADRMGRGNK-F
 STF1_MOUSE KTQ-----RKRCPCFRFQKCLTVGMRLE----AVR-----ADRMGRGNK-F
 AAG35648.1 KTL-----RKRCPCFRFQKCLTVGMRLE----AVR-----ADRMGRGNK-F
 STF1_PIG KTQ-----RKRCPCFRFQKCLTVGMRLE----AVR-----ADGMRGNK-F
 AAK94918.1 KTQ-----RKRCPCYCRFQKCLTVGMRLE----AVR-----ADRMGRGNK-F
 NP_990409.1 KTQ-----RKRCPCYCRFQKCLTVGMRLE----AVR-----ADRMGRGNK-F
 NP_995582.1 KTQ-----RKRCPCYCRFQKCLTVGMRLE----AVR-----ADRMGRGNK-F
 NP_109601.1 KTQ-----RKRCPCYCRFQKCLTVGMRLE----AVR-----ADRMGRGNK-F
 FTF1_BOMMO KTQ-----RKRCPCYCRFQKCLTVGMRLE----AVR-----ADRMGRGNK-F
 NP_524143.2 KTQ-----RKRCPCYCRFQKCLTVGMRLE----AVR-----ADRMGRGNK-F
 NH25_CAEEL RTC-----RKRCPCYCRFQKCLTVGMRLE----AVR-----ADRMGRGNK-F
 AAA28543.1 IST-----RKKCPACRFQKCLTVGMRLE----AIR-----EDRTRGGRST-Y
 NP_034394.1 RKQ-----RNRCQYCRLLKCLQMGMNK-----AIR-----EDGMPGGRNKS I
 NR61_HUMAN RKQ-----RNRCQYCRLLKCLQMGMNK-----AIR-----EDGMPGGRNKS I
 AAG09282.1 KIR-----RKNCPACRLRKCQAGMVLG----GRK-----FKKFNKVRVMRT
 PRGR_SHEEP KIR-----RKNCPACRLRKCQAGMVLG----GRK-----FKKFNKVRVMRT
 PRGR_RABIT KIR-----RKNCPACRLRKCQAGMVLG----GRK-----FKKFNKVRVMRA
 PRGR_HUMAN KIR-----RKNCPACRLRKCQAGMVLG----GRK-----FKKFNKVRVVRA
 NP_032855.1 KIR-----RKNCPACRLRKCQAGMVLG----GRK-----FKKFNKVRVMRT
 NP_074038.1 KIR-----RKNCPACRLRKCQAGMVLG----GRK-----FKKFNKVRVMRA
 NP_990593.1 KIR-----RKNCPACRLRKCQAGMVLG----GRK-----FKKFNKVRVMRT
 AAN63590.1 KIR-----RKNCPACRLRKCQAGMVLG----GRK-----FKKFNKVRVMRT
 GCR_SAGOE KIR-----RKNCPACRYRKCLQAGMNLE----ARK-----TKKK--IKGIQQ
 GCR_SAIBB KIR-----RKNCPACRYRKCLQAGMNLE----ARK-----TKKK--IKGIQQ
 GCR_AOTNA KIR-----RKNCPACRYRKCLQAGMNLE----ARK-----TKKK--IKGIQQ
 GCR_SAISC KIR-----RKNCPACRYRKCLQAGMNLE----ARK-----TKKKI- IKGIQQ
 NP_000167.1 KIR-----RKNCPACRYRKCLQAGMNLE----ARK-----TKKK--IKGIQQ
 GCR_PIG KIR-----RKNCPACRYRKCLQAGMNLE----ARK-----TKKK--IKGIQQ
 GCR_TUPGB KIR-----RKNCPACRYRKCLQAGMNLE----ARK-----TKKK--IKGIQQ
 GCR_RABIT KIR-----RKNCPACRYRKCLQAGMNLE----ARK-----TKKK--IKGIQQ
 GCR_RAT KIR-----RKNCPACRYRKCLQAGMNLE----ARK-----TKKK--IKGIQQ
 NP_032199.1 KIR-----RKNCPACRYRKCLQAGMNLE----ARK-----TKKK--IKGIQQ
 GCR_CAVPO KIR-----RENCPACRYRKCLQAGMNLQ----ARK-----TKKK--IKGIQQ
 GCR_XENLA KIR-----RKNCPACRYRKCLQAGMNLQ----ARK-----TKKK--IKGIQQ
 GCR_SHEEP -----
 GCR_ONCMY KIR-----RKNCPACRFKCLQAGMNLE----ARK-----NKKL--IRLKGQ
 GCR_PAROL KIR-----RKNCPACRFKCLQAGMNLE----ARK-----NKKL--IKMKVH
 MCR_MOUSE KIR-----RKNCPACRLQKCLQAGMNLG----ARK-----SKKLGKLGKGLHE
 NP_037263.1 KIR-----RKNCPACRLQKCLQAGMNLG----ARK-----SKKLGKLGKGLHE
 MCR_TUPGB KIR-----RKNCPACRLQKCLQAGMNLG----ARK-----SKKLGKLGKGLHE
 MCR_SAISC KIR-----RKNCPACRLQKCLQAGMNLG----ARR-----SKKLGKLGKGLHE
 NP_000892.1 KIR-----RKNCPACRLQKCLQAGMNLG----ARK-----SKKLGKLGKGLHE

MCR_XENLA	KIR-----RKNPCACRLQKCLQAGMNLG-----ARK-----SKKLGKLGKVHE
AAG37994.1	KFR-----RKNCPSCLRLKCYEAGMTLG-----ARK-----LKKLGNLKLQEE
ANDR_EULFC	KFR-----RKNCPSCLRLKCYEAGMTLG-----ARK-----LKKLGNLKLQEE
ANDR_CANFA	KFR-----RKNCPSCLRLKCYEAGMTLG-----ARK-----LKKLGNLKLQEE
AAS19691.1	KFR-----RKNCPSCLRLKCYEAGMTLG-----ARK-----LKKLGNLKLQEE
ANDR_PAPHA	KFR-----RKNCPSCLRLKCYEAGMTLG-----ARK-----LKKLGNLKLQEE
ANDR_MACFA	KFR-----RKNCPSCLRLKCYEAGMTLG-----ARK-----LKKLGNLKLQEE
ANDR_HUMAN	KFR-----RKNCPSCLRLKCYEAGMTLG-----ARK-----LKKLGNLKLQEE
ANDR_PANTR	KFR-----RKNCPSCLRLKCYEAGMTLG-----ARK-----LKKLGNLKLQEE
AAM96904.1	KFR-----RKNCPPCRLRLKCYEAGMTLG-----ARR-----LKKLGNLKLQEE
ANDR_RABIT	KFR-----RKNCPSCLRLKCYEAGMTLG-----ARK-----LKKLGNLKLQEE
NP_036634.1	KFR-----RKNCPSCLRLKCYEAGMTLG-----ARK-----LKKLGNLKLQEE
NP_038504.1	KFR-----RKNCPSCLRLKCYEAGMTLG-----ARK-----LKKLGNLKLQEE
AAP85538.1	KFR-----RKNCPSCLRLKCYEAGMTLG-----ARK-----LKKLGNLKAQEE
AAQ93376.1	KRR-----RKSCQACRFMKCLKVGMLKE-----GVR-----LDRVGRGGRQYK
NP_036065.1	KRR-----RKSCQACRFMKCLKVGMLKE-----GVR-----LDRVGRGGRQYK
ERR2_RAT	KRR-----RKSCQACRFMKCLKVGMLKE-----GVR-----LDRVGRGGRQYK
NP_004443.2	KRR-----RKSCQACRFMKCLKVGMLKE-----GVR-----LDRVGRGGRQYK
ERR2_MOUSE	KRR-----RKSCQACRFMKCLKVGMLKE-----GVR-----LDRVGRGGRQYK
ERR1_HUMAN	KRR-----RKACQACRFTKCLRVGMLKE-----GVR-----LDRVGRGGRQYK
ERR1_MOUSE	KRR-----RKACQACRFTKCLRVGMLKE-----GVR-----LDRVGRGGRQYK
AAS46251.1	KNR-----RKSCQACRLRLKCYEVMGMMKG-----GIR-----KDRRGGRMLKHK
ESR1_PIG	KNR-----RKSCQACRLRLKCYEVMGMMKG-----GIR-----KDRRGGRMLKHK
ESR1_HORSE	KNR-----RKSCQACRLRLKCYEVMGMMKG-----GIR-----KDRRGGRMLKHK
NP_031982.1	KNR-----RKSCQACRLRLKCYEVMGMMKG-----GIR-----KDRRGGRMLKHK
NP_036821.1	KNR-----RKSCQACRLRLKCYEVMGMMKG-----GIR-----KDRRGGRMLKHK
ESR1_MESAU	KNR-----RKSCQACRLRLKCYEVMGMMKG-----GIR-----KDRRGGRMLKHK
ESR1_HUMAN	KNR-----RKSCQACRLRLKCYEVMGMMKG-----GIR-----KDRRGGRMLKHK
ESR1_XENLA	KNR-----RKSCQACRLRLKCYEVMGMMKG-----GIR-----KDRRGGRMLKHK
ESR1_POEGU	KNR-----RKSCQACRLRLKCYEVMGMMKG-----GIR-----KDRRGGRMLKHK
NP_990514.1	KNR-----RKSCQACRLRLKCYEVMGMMKG-----GIR-----KDRRGGRMLKHK
ESR1_SHEEP	KNR-----RKSCQACRLRLKCY-----GIR-----KDRRGGRMLKHK
ESR1_OREAU	KNR-----RKSCQACRLRLKCYEVMGMMKG-----GMR-----KDR--GRVLRRE
ESR1_ORENI	KNR-----RKSCQACRLRLKCYEVMGMMKG-----GMR-----KDR--GRVLRRE
ESR1_ONCMY	RNR-----RKSCQACRLRLKCYEVMGVKG-----GLR-----KDR--GGRVLRKD
ESR1_SALSA	RNR-----RKSCQACRLRLKCYEVMGVKG-----GLR-----KDR--GGRVLRKD
ESR1_PAGMA	RNR-----RKSCQACRLRLKCYEVMGMMKG-----GMR-----KDR--G--RVLRRD
ESR1_SPAAU	RNR-----RKSCQACRLRLKCYEVMGMMKG-----GVR-----KDR--G--RVLRRD
ESR1_ORYLA	RNR-----RKSCQACRLRLKCYEVMGMMKG-----GVR-----KDR--I--RILRRD
BAB16893.1	RNR-----RKSCQACRLRLKCYEVMGMMKG-----GIR-----KDR--GGRSVRRE
ESR1 ICTPU	RNR-----RKSCQACRLRLKCYEVMGMMKG-----GFR-----KER--GGRIIKHN
ERB1_CARAU	KNR-----RKSCQACRLRLKCYEVMGMMKC-----GLR-----RDRSSYQQRGAQ
ESR2_ONCMY	KNR-----RKSCQACRLRLKCYEVMGMMKC-----GLR-----RDRGSYQQRGAQ
ESR2_SPAAU	KNR-----RKSCQACRLRHKCYNVGMTKC-----GMR-----KERGNF--RDPQ
ESR3_MICUN	KNR-----RKSCQACRLRLKCYEVMGMTKC-----GMR-----KERGNY--RSPQ
ESR2_ORENI	KNR-----RKSCQACRLRLKCYEVMGMTKC-----GIR-----KERGNY--RNSQ
ERB2_CARAU	KSR-----RKSCQACRLRLKCYEVMGMMKC-----GVR-----RERCSYRGGRHR
ESR2_ANGJA	KNR-----RKSCQACRLRLKCYEVMGMMKC-----GVR-----RERCTYRGARHR
ESR2_MICUN	KNR-----RKSCQACRLRLKCYEVMGMMKC-----GVR-----RERCSYRGARHR
ESR2 ICTPU	KNR-----RKSCQACRLRLKCYEMGMMKC-----GAR-----RERCGYRAS--R
ESR2_BOVIN	KNR-----RKSCQACRLRLKCYEVMGVKC-----GSR-----RERCGYRIVRRQ
ESR2_SHEEP	KNR-----RKSCQACRLRLKCYEVMGVKC-----GSR-----RERCGYRIVRRQ
ESR2_MOUSE	KNR-----RKSCQACRLRLKCYEVMGVKC-----GSR-----RERCGYRIVRRQ
ESR2_RAT	KNR-----RKSCQACRLRLKCYEVMGVKC-----GSR-----RERCGYRIVRRQ
ESR2_CALJA	KNR-----RKSCQACRLRLKCYEVMGVKC-----GSR-----RERCGYRIVRRQ
NP_001428.1	KNR-----RKSCQACRLRLKCYEVMGVKC-----GSR-----RERCGYRIVRRQ
ESR2_PIG	KNR-----RKSCQACRLRLKCYEVMGVKC-----GSR-----RERCGYRIVRRQ

ESR2_COTJA	KNR-----RKSCQACRLRKCYEVGMMKC-----GSR-----RERCGYRILRRH
NP_990125.1	KNR-----RKSCQACRLRKCYEVGMMKC-----GSR-----RERCGYRILRRH
ESR2_STUVU	KNR-----RKSCQACRLRKCYEVGMMKC-----GSR-----RERCGYRILRRH
CAA42718.1	KRR-----RNRCQFCRFQKCLAVGMVKE-----VVR-----TDSLKGRRGRLP
NR41_RAT	KRR-----RNRCQFCRFQKCLAVGMVKE-----VVR-----TDSLKGRRGRLP
NP_002126.2	KRR-----RNRCQFCRFQKCLAVGMVKE-----VVR-----TDSLKGRRGRLP
NR41_CANFA	KRR-----RNRCQFCRFQKCLAVGMVKE-----VVR-----TDSLKGRRGRLP
NR42_XENLA	KRR-----RNRCQFCRFQKCLVVGGMVKE-----VVR-----TDSLKGRRGRLP
HR38_BOMMO	KRR-----RNRCQFCRFQKCLAVGMVKE-----VVR-----TDSLKGRRGRLP
HR38_DROME	KRR-----RNRCQFCRFQKCLVVGGMVKE-----VVR-----TDSLKGRRGRLP
NP_038641.1	KRR-----RNRCQYCRFQKCLAVGMVKE-----VVR-----TDSLKGRRGRLP
NR42_RAT	KRR-----RNRCQYCRFQKCLAVGMVKE-----VVR-----TDSLKGRRGRLP
NP_006177.1	KRR-----RNRCQYCRFQKCLAVGMVKE-----VVR-----TDSLKGRRGRLP
NP_008912.2	KRR-----RNRCQYCRFQKCLVVGGMVKE-----VVR-----TDSLKGRRGRLP
NP_113816.1	KRR-----RNRCQYCRFQKCLVVGGMVKE-----VVR-----TDSLKGRRGRLP
NP_056558.1	KRR-----RNRCQYCRFQKCLVVGGMVKE-----VVR-----TDSLKGRRGRLP
NP_497731.1	KRY-----RSRCQYCRYQKCLEVGMVKE-----IVR-----HGSLSGRRGRLS
7UP2_DROME	QHH-----RNQCQYCRLLKCKLKMGMRE-----AVQ-----RGRVPPTQPGLA
NP_524325.1	QHH-----RNQCQYCRLLKCKLKMGMRE-----AVQ-----RGRVPPTQPGLA
NP_066285.1	QHH-----RNQCQYCRLLKCKLVGMRE-----AVQ-----RGRMPPTQP---
NP_989752.1	QHH-----RNQCQYCRLLKCKLVGMRE-----AVQ-----RGRMPPTQP---
NP_542956.1	QHH-----RNQCQYCRLLKCKLVGMRE-----AVQ-----RGRMPPTQP---
CAA54096.1	QHH-----RNQCQYCRLLKCKLVGMRE-----AVQ-----RGRMPPTQP---
NP_776827.1	QHH-----RNQCQYCRLLKCKLVGMRE-----AVQ-----RGRMPPTQP---
NP_005645.1	QHH-----RNQCQYCRLLKCKLVGMRE-----AVQ-----RGRMPPTQP---
NP_034281.1	QHH-----RNQCQYCRLLKCKLVGMRE-----AVQ-----RGRMPPTQP---
NP_786998.1	QHH-----RNQCQYCRLLKCKLVGMRE-----AVQ-----RGRMPPTQP---
NP_571255.1	QHH-----RNQCQYCRLLKCKLVGMRE-----AVQ-----RGRMPPTQP---
NP_571261.1	QHH-----RNQCQYCRLLKCKLVGMRE-----AVQ-----RGRMPSNSQS---
EAR2_MOUSE	QHH-----RNQCQYCRLLKCKFRVGMRE-----AVQ-----RGRIPHALP---
NP_620813.1	QHH-----RNQCQYCRLLKCKFRVGMRE-----AVQ-----PGPIPHALP---
NP_005225.2	QHH-----RNQCQYCRLLKCKFRVGMRE-----AVQ-----RGRIPHSLP---
AAH54649.1	KRQ-----RNRCQYCRYQKCLAMGMKRE-----VVQDERQRSVQEERQR-NKER----
NP_571313.1	KRQ-----RNRCQYCRYQKCLAMGMKRE-----AVQ-----EERQK-NKER----
NP_035435.1	KRQ-----RNRCQYCRYQKCLAMGMKRE-----AVQ-----EERQR-GKDRN----
NP_036937.1	KRQ-----RNRCQYCRYQKCLAMGMKRE-----AVQ-----EERQR-GKDRN----
NP_002948.1	KRQ-----RNRCQYCRYQKCLAMGMKRE-----AVQ-----EERQR-GKDRN----
RXRA_XENLA	KRQ-----RNRCQYCRYQKCLAMGMKRE-----AVQ-----EERQR-GKERN----
NP_571228.1	KRQ-----RNRCQYCRYQKCLAMGMKRE-----AVQ-----EERQR-AKERS----
RXRA_BRARE	KRQ-----RNRCQYCRYQKCLAMGMKRE-----AVQ-----EERQR-GRERS----
NP_008848.1	KRQ-----RNRCQYCRYQKCLVGMKRE-----AVQ-----EERQR-SRERA----
NP_033133.1	KRQ-----RNRCQYCRYQKCLVGMKRE-----AVQ-----EERQR-SRERA----
NP_990625.1	KRQ-----RNRCQYCRYQKCLAMGMKRE-----AVQ-----EERQR-SRERS----
RXRG_XENLA	KRQ-----RNRCQYCRYQKCLAMGMKRE-----AVQ-----EERQR-SREKS----
NP_035436.1	KRQ-----RNRCQYCRYQKCLATGMKRE-----AVQ-----EERQR-GKDK----
RXRB_RAT	KRQ-----RNRCQYCRYQKCLATGMKRE-----AVQ-----EERQR-GKDK----
S37781	KRQ-----RNRCQYCRYQKCLATGMKRE-----AVQ-----EERQR-GKDK----
USP_BOMMO	KRQ-----RNRCQYCRYQKCLACGMKRE-----AVQ-----EERQRAARTE----
USP_MANSE	KRQ-----RNRCQYCRYQKCLACGMKRE-----AVQ-----EERQRAARGTE----
USP_CHOFU	KRQ-----RNRCQYCRYQKCLACGMKRE-----AVQ-----EERQRNARGAE----
NP_476781.1	KRQ-----RNRCQYCRYQKCLTCGMKRE-----AVQ-----EERQRGARNAA----
NP_059019.1	KHH-----RNRCQFCRLKCKLEMGMKME-----SVQ-----SERKPFVQVQ----
TR4_MOUSE	KHH-----RNRCQFCRLKCKLEMGMKME-----SVQ-----SERKPFVQVQ----
TR4_HUMAN	KHH-----RNRCQFCRLKCKLEMGMKME-----SVQ-----SERKPFVQVQ----
TR2_HUMAN	KHH-----RNRCQYCRLLQRCIAFGMKQD-----SVQ-----CERKPIEVS----
HR78_DROME	KHH-----RNRCQFCRLQKCLASGMRS-----SVQ-----HERKPIVDR----
NH41_CAEEL	KFH-----RNRCQYCRLLKCKLSMGMRS-----SVQ-----AERRPVNNS----

NP_003260.1 KTH-----RNQCRACRLKKCLEVNMMNKD-----AVQHE-----RGPRTSTIRK--
NP_689415.1 KTH-----RNQCRACRLKKCLEVNMMNKD-----AVQHE-----RGPRTSTIRK--
NP_990501.1 KTH-----RNQCRACRLKKCLEVNMMNKD-----AVQHE-----RGPRTSTIRK--
NR21_ORYLA KTH-----RNQCRACRLKKCLEVNMMNKD-----AVQHE-----RGPRTSTIRK--
NR21_XENLA KTH-----RNQCRACRLKKCLEVNMMNKD-----AVQHE-----RGPRTSTIRK--
NP_524596.1 KTH-----RNQCRACRLRKCFEVMGNKD-----AVQHE-----RGPRNSTLRR--
TLL_DROVI KTH-----RNQCRACRLRKCFEVMGNKD-----AVQHE-----RGPRNSTLRR--
NP_502094.1 KTH-----RNQCRACRLRKCLEIGMKNKD-----AVQHE-----RGPRNSSLRR--
NP_038736.1 KAH-----RNQCQACRLKKCLQAGMNOQD-----AVQNE-----RQPR-SMAQV--
NP_055064.1 KAH-----RNQCQACRLKKCLQAGMNOQD-----AVQNE-----RQPR-STAQV--
NP_497074.1 KEQ-----RNACRSCRLTRCLDVGMMNPR-----AVQGD-----VEDPEWDEEAM--
NP_501775.1 KEH-----RNVCRSCRLKKCFEVMGNPD-----SVQNE-----RDRNAKNGGM--
CAA54248.1 KDK-----RNQCRYCRLKKCFRAGMKKE-----AVQNE-----RDRISTRSSYE
NP_032287.1 KDK-----RNQCRYCRLKKCFRAGMKKE-----AVQNE-----RDRISTRSSYE
NP_071516.1 KDK-----RNQCRYCRLKKCFRAGMKKE-----AVQNE-----RDRISTRSSYE
HN4A_XENLA KDK-----RNQCRYCRLKKCFRAGMKKE-----AVQNE-----RDRISTRSSYE
HN4B_XENLA KDK-----RNQCRYCRLRKCFRAGMKKE-----AVQNE-----RDRISMRRSSYE
HN4G_HUMAN KDK-----RNQCRYCRLRKCFRAGMKKE-----AVQNE-----RDRISTRSTFD
HN4G_MOUSE KDK-----RNQCRYCRLRKCFRAGMKKE-----AVQNE-----RDRISTRSTYE
S36218 KDK-----RNQCRYCRLRKCFKAGMKKE-----AVQNE-----RDRISCRRTSND
NP_492615.2 KNK-----RNACRACRLQKCVKAGMKSND-----AIQNE-----RDAIGKRKKTG
NP_491103.1 KAK-----RNACRACRLQKCVKAGMKSND-----AIQNE-----RDAIGKRKKTG
NH35_CAEEL KHN-----RAVCRYCFRMKCISSGMRDD-----QVQSE-----RDVIGKREKKN
NP_496066.2 TMA-----RKACRACRYRKCLESGMSKE-----ALQPR-----RDLIGCRRIRSR
NH14_CAEEL KDH-----RNACRYCFRQKCLADGMKPE-----AIQNE-----RDRIGSTKRRKR
NP_492612.1 KNF-----RCACRYCFRQKCVQVGMKRE-----AIQFE-----RDPVGSPTSAS
NHR1_CAEEL KNI-----RCACRHCYCFRQKCLLVGMDAKALQIPAIQND-----RDRIGPTKK--
NP_498554.1 KSI-----RCACRHCYCFRQKCLLVGMDAKALQIPAIQND-----RDRIGPTKK--
NP_504455.1 KGV-----RCACRYCRLQKCLAVGMDKN-----SIQND-----RDRIGYTKRTRR
NH40_CAEEL KSV-----RCVCRSCRLKKCFDGMGMDPK-----AIQHD-----RDKIRYTKALKK
NP_502117.2 KFE-----RNACRYCFRQKCLLVGMMNPD-----YVRPD-----REKSKKGTVLS
NP_741456.1 KFQ-----RNACRYCFRQKCLLVGMDPK-----AVRPD-----RDQTKGQKVPRI
NP_510423.1 KAG-----RNVCRSCRFQKCLEVGMPEPD-----AIRPD-----RDKTGRQKNPRR
NP_000957.1 KVT-----RNRCQYCRLOKCFEVMGMSKE-----AVRN-----DRN-KKKK-EV
RRG2_HUMAN KVT-----RNRCQYCRLOKCFEVMGMSKE-----AVRN-----DRN-KKKK-EV
RRG2_MOUSE KVT-----RNRCQYCRLOKCFEVMGMSKE-----AVRN-----DRN-KKKK-EV
A34714 KVT-----RNRCQYCRLOKCFEVMGMSKE-----AVRN-----DRN-KKKK-EV
RRG_NOTVI KVT-----RNRCQYCRLOKCFEVMGMSKE-----AVRN-----DRN-KKKK-EI
RRG_XENLA KVT-----RNRCQYCRLOKCFEVMGMSKE-----AVRN-----DRN-KKKK-EI
AAB59953.1 KVT-----RNRCQYCRLOKCFEVMGMSKE-----AVRN-----DRN-KKKK-DV
NP_571414.1 KVT-----RNRCQYCRLOKCFEVMGMSKE-----AVRN-----DRN-KKKK-DV
AAD05222.1 KVT-----RNRCQYCRLOKCFEVMGMSKE-----SVRN-----DRN-KKKK-EV
RRA_MOUSE KVT-----RNRCQYCRLOKCFDVGMSKE-----SVRN-----DRN-KKKK-EA
NP_989867.1 KVT-----RNRCQYCRLOKCFEVMGMSKE-----SVRN-----DRN-KKKK-DV
RRA_XENLA KVT-----RNRCQYCRLOKCFEVMGMSKE-----SVRN-----DRN-KKKK-ES
RRA_NOTVI KVT-----RNRCQYCRLOKCFEVMGMSKE-----SVRN-----DRN-KKKKQEA
RRB_COTJA KVT-----RNRCQYCRLOKCFEVMGMSKE-----SVRN-----DRN-KKKK-EP
S13512 KVT-----RNRCQYCRLOKCFEVMGMSKE-----SVRN-----DRN-KKKK-EP
RRB_HUMAN KVT-----RNRCQYCRLOKCFEVMGMSKE-----SVRN-----DRN-KKKK-ET
RRB_MOUSE KVT-----RNRCQYCRLOKCFEVMGMSKE-----SVRN-----DRN-KKKK-EP
RRB_NOTVI KVT-----RNRCQYCRLOKCFEVMGMSKE-----SVRN-----DRN-KKKK-EP
RRA_FUGRU KVT-----RNRCQYCRLOKCFEVMGMSKE-----SVRN-----DRN-KKKK-DE
AAA19972.1 KKN-----RNKCQYCRFQKCLALGMSHN-----AIRF-----GRMPDGEKRKL
NP_006229.1 KKN-----RNKCQYCRFQKCLALGMSHN-----AIRF-----GRMPEAEKRKL
CAA40856.1 KKN-----RNKCQYCRFHKCLSVGMSHN-----AIRF-----GRMPRSEKAKL
NP_037328.1 KKN-----RNKCQYCRFHKCLSVGMSHN-----AIRF-----GRMPRSEKAKL
CAA68898.1 KKN-----RNKCQYCRFHKCLSVGMSHN-----AIRF-----GRMPRSEKAKL

PPAR_PHACI KKN-----RNKCQYCRFQKCLSDGMSHN-----AIRF-----GRMPRSEKAKL
PPAR_CANFA KKN-----RNKCQYCRFHKCLSVGMSHN-----AIRF-----GRMPRSEKAKL
PPAR_CAVPO KKN-----RNKCQYCRFHKCLSVGMSHN-----AIRF-----GRMPRSEKAKL
PPAR_XENLA KKN-----RNKCQYCRFEKCLNVGMSHN-----AIRF-----GRMPRSEKAKL
PPAS_XENLA KKN-----RNKCQYCRFNKCLSLGMSHN-----AIRF-----GRMPSEKRRKL
NP_851367.1 KKS-----RNKCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
PPAT_PIG KKS-----RNKCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
PPAT_CRIGR KKS-----RNKCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
PPAT_MACMU KKS-----RNKCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
CAA73382.2 KKS-----RNKCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NP_056953.2 KKS-----RNKCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NP_035276.1 KKS-----RNKCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
PPAT_RABIT KKS-----RNKCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
PPAT_XENLA KKS-----RNKCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
CAB53540.1 RIN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
CAB53540.1 RIN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NP_665718.1 RIN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NP_035714.2 RIN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
RMN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NRD2_HUMAN RMN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NRD2_RAT RMN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
E75_CHOFU RIN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
E75_MANSE RIN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
E75A_DROME RIN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
E75_GALME RIN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
E75_METEN RIN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
E75C_DROME RIN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NP_493284.1 RNN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
AAH14804.1 RTS-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
ROHG_HUMAN RTS-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
AAH58269.1 RTN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
RORB_RAT RTN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
RORB_HUMAN RTN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NP_038674.1 RTS-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NP_599022.1 RTS-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
HR3_GALME RVN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
HR3_MANSE RVN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NP_788303.1 RVN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NP_740887.1 RVN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
E78A_DROME RLN-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NP_509713.2 RES-----RNRCQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NHR2_CAEEI YENCAANRGVTRCQACRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NP_494785.1 INI-----RCMCRACRYIKCIEVGMNPA-----GVQQR-----LPPS--KTLVEV
NP_503561.2 ANI-----RCMCRACRYIKCIEVGMNPA-----GVQQR-----RDTIGKREIKPD
NP_505589.1 SNI-----RCMCRACRYIKCIEVGMNPE-----CVQNR-----RENDTPKADLQF
NP_510659.1 KNV-----RCMCRACRYIKCIEVGMNPK-----AVQRH-----RELFASQETSSE
NP_741644.1 SNV-----RNMCRACRYEKCLEVGMQRS-----SVQOK-----RDQLGRRDGLPT
NP_504771.1 TGM-----RKLCAACRYDKCLKVGMRSE-----AVLSR-----LAKKNQNYKCSI
NP_503608.2 VNG-----KFNCKQYCRFQKCLAVGMSHN-----AIRF-----GRMPQAEKEKL
NP_507680.1 LIF-----ALKCKNCRQLQRCYEAAGMSSE-----NFQFC-----RDLIGAKGAIK

KNIR_DROVI IHCLLQEHEQAAAAAAGKAP-----
NP_524187.1 IHCLLQEHEQAAAAAAG-KAPP-----
NP_788552.1 IHCLLQEHEQAAAAAAGKAP-----
EGON_DROME IHCLLQEHEQAAAAAAGKAP-----
1411299B QNRERR----RKEEMIRSL-----
CAA68539.1 QNRERR----RKEEMIRSL-----
THA1_SHEEP QNRERR----RKEEMIRSL-----

THA_MOUSE	QNRERR----	RKEEMIRSL-----
THA_PIG	QNRERR----	RKEEMIRSL-----
NP_990644.1	ENRERR----	RKEEMIKSL-----
THA_CAIMO	ENRERR----	RKEEMIKSL-----
THA_APTPA	ENRERR----	RKEEMIKSL-----
ERBA_AVIER	ENRERR----	RKEEMIKSL-----
THA_PYGAD	ENRERR----	RKEEMIKSL-----
THAB_XENLA	ENRVRR----	RKEEMIKTL-----
THA_RANCA	ENRERR----	RKEEMIKTL-----
THAA_XENLA	ENRQRR----	RKEEMIKTL-----
NP_571471.1	ENREKR----	KKEEIVKTL-----
THAB_PAROL	ENRERR----	KKEEIVKTL-----
THA_SALSA	ENREKR----	KKDEIVKTL-----
THAA_PAROL	ENREKR----	KREEMVRTL-----
THA_HIPHI	ENREKR----	KREEMVRTL-----
NP_000452.2	ENREKR----	RREELQKSI-----
THB2_HUMAN	ENREKR----	RREELQKSI-----
NP_033406.1	ENREKR----	RREELQKSI-----
THB2_RAT	ENREKR----	RREELQKSI-----
THB1_MOUSE	ENREKR----	RREELQKSI-----
THB1_RAT	ENREKR----	RREELQKSI-----
THB1_SHEEP	ENREKR----	RREELQRSM-----
THB_CHICK	ENREKR----	RREELQKTI-----
THBA_XENLA	ENREKR----	RKDEIQKSL-----
THB_RANCA	ENREKR----	RKDELQKTL-----
THBB_XENLA	ENREKR----	RKDEIQKSI-----
NP_571415.1	ENRERR----	RREELQKTV-----
THB_PAROL	ENRERR----	RKEELQKTV-----
NHR1_ONCVO	DNRERR----	KLEHLRRTLKKA-----
NP_000367.1	KRKEEEE----	ALKDSLRPKLS-----
VDR_BOVIN	KRKEEEE----	ALKDSLRPKLS-----
AAK48863.1	KRKEEEE----	ALKDSLRPKLS-----
NP_058754.1	KRKEEEE----	ALKDSLRPKLS-----
VDR_MOUSE	KRKEEEE----	ALKDSLRPKLS-----
NP_990429.1	KRKEEEE----	ALKESLKPKLS-----
VDR_COTJA	KRKEEEE----	ALKESLKPKLS-----
VDR_XENLA	KRKSEE----	ALKESMRPKIS-----
NP_035066.1	RKKREK----	IEAPPPGGQG-----
NP_443212.1	RKKREK----	IEAPPPGGQG-----
CAB55489.1	RKKSER----	TGTQPLGVQG-----
AAM76230.1	QRRQQQ----	TPMQLSNEQEE-----
NP_005113.1	QRRQQQ----	TPVQLSKEQEE-----
NP_033933.1	QRRAEK----	ASLQLNQQQKE-----
NP_075230.1	RRRAQK----	ASLQLSQQQKE-----
BAD00038.1	QRRAQW----	AAVQLSKGQOE-----
BAD00039.1	QRRAQW----	APVQLSKGQOE-----
NH48_CAEEL	SEEARL----	EKKQRVEENR-----
NP_524493.1	TNRAKR----	RLMENGTDACD-----
NP_741445.1	RKKPDM----	KNNLKVEVDD-----
AAD16050.1	EEQAQA----	TSVSPRVSSP-----
NP_113815.1	EEQAQA----	TSVSPRVSSP-----
NRH3_HUMAN	EEQAHA----	TSLPPRASSP-----
NP_033499.1	QQQPPP----	PSEPAASS-----
NRH2_RAT	QQQPPP----	PTEPASGS-----
NP_009052.1	QQESQS----	QSQSPVGP-----
ECR_AEDAE	QKEKDK----	VQTNATVSTT-----
ECR_CHITE	QKEKDK----	VPGIVGSNTS-----

ECR_LUCCU	QKEKDK---IQTSVCATEI-----
NP_724460.1	QKEKDK---MTTSPSSQHG-----
ECR_HELVI	QREKDK---LPVSTTTVDD-----
ECR_MANSE	QREKDK---LPVSTTTVDD-----
ECR_BOMMO	QK-KDKGILLPVSTTTVEDH-----
NRH4_HUMAN	KQHADQ----TVNEDS-----
NRH4_MOUSE	KQHADQ----TVNEDD-----
NP_068513.1	KQHADQ----TVNEDSEGRD-----
NP_004950.2	GPMYKRDRALKQQKKAQIR-----
NP_776828.1	GPMYKRDRALKQQKKAQIR-----
NP_445796.1	GPMYKRDRALKQQKKAQIR-----
STF1_MOUSE	GPMYKRDRALKQQKKAQIR-----
AAG35648.1	GPMYKRDRALKQQKKAQIR-----
STF1_PIG	GPMYKRDRALKQQKKAQIR-----
AAK94918.1	GPMYKRDRALKQQKKALIR-----
NP_990409.1	GPMYKRDRALKQQKKALIR-----
NP_995582.1	GPMYKRDRALKQQKKALIR-----
NP_109601.1	GPMYKRDRALKQQKKALIR-----
FTF1_BOMMO	GPMYKRDRARKLQMMRQRQ-----
NP_524143.2	GPMYKRDRARKLQVMRQRQ-----
NH25_CAEEL	GSFYKKDRAHRMQRNAMRV-----
AAA28543.1	QCSYTL PNSMLSPLLSPDQ-----
NP_034394.1	GPVQISEEEIERIMSGQE-----
NR61_HUMAN	GPVQISEEEIERIMSGQE-----
AAG09282.1	LDAVALPQPVGIPNESQA-----
PRGR_SHEEP	LDAVALPQPVGIPNESQA-----
PRGR_RABIT	LDAVALPQPVGIPNESQR-----
PRGR_HUMAN	LDAVALPQPLGVPNESQA-----
NP_032855.1	LDGVALPQSVGLPNESQA-----
NP_074038.1	LDGVALPQSVAFPNESQT-----
NP_990593.1	LD-VALQQPAVLQDETQSL-----
AAN63590.1	LDRIATSSPMECQQALTR-----
GCR_SAGOE	ATTGVSQETSENPAKNTIVP-----
GCR_SAIBB	ATTGVSQETSENPAKNTIVP-----
GCR_AOTNA	ATTGVSQETSENPAKNTIVP-----
GCR_SAISC	ATTGVSQETSENPAKNTIV-----
NP_000167.1	ATTGVSQETSENPKNKTIVP-----
GCR_PIG	ATTGVSQETSENSANKTIVP-----
GCR_TUPGB	TTTGISQETPENSANKTIVP-----
GCR_RABIT	TSTGVSQETSENP SNRTVVP-----
GCR_RAT	ATAGVSQDTSENP-NKTIVPA-----
NP_032199.1	ATAGVSQDTSENA-NKTIVPA-----
GCR_CAVPO	ATTGVSQNTSENP-NKTIVPA-----
GCR_XENLA	STTATARESPETSMTRTLVP-----
GCR_SHEEP	-----
GCR_ONCMY	QTTMEPNPPPP-----
GCR_PAROL	RPTGSAEPISN-----
MCR_MOUSE	EQPQQPPPPPPQSPEEGTTY-----
NP_037263.1	EQPQQPPPPPPQSPEEGT-----
MCR_TUPGB	EQPQQPPP--PQSPEEGTTY-----
MCR_SAISC	EQPQQQ-PPPPPPPPQSPE-----
NP_000892.1	EQPQQQQPPPPPPPPQSP-----
MCR_XENLA	EHPQQPLQQTPTAS-----
AAG37994.1	GEASSATSPTEEPAQKLT-----
ANDR_EULFC	GEASSATSPTEESSQKLT-----
ANDR_CANFA	GEASNVTSPTEEPTQKLT-----
AAS19691.1	GEASSTTSPTEETAQKLT-----

ANDR_PAPHA	GEASSTTSPTEETAQKLT-----
ANDR_MACFA	GEASSTTSPTEETAQKLT-----
ANDR_HUMAN	GEASSTTSPTEETTQKLT-----
ANDR_PANTR	GEASSTTSPTEETTQKLT-----
AAM96904.1	GEASSTTSPTEETTQKLT-----
ANDR_RABIT	GESSSASSPTEDTTQKLT-----
NP_036634.1	GENSSAGSPTEDPSQKMT-----
NP_038504.1	GENSNAGSPTEDPSQKMT-----
AAP85538.1	LEGSPGQSEGREMPPNMS-----
AAQ93376.1	RRIDAENSPYLNLPQLVQP-----
NP_036065.1	RRIDAENSPYLNLPQLVQP-----
ERR2_RAT	RRLDSENSPYLSLQISPP-----
NP_004443.2	RRLDSESSPYLSLQISPP-----
ERR2_MOUSE	RRLDSENSPYLNLPISPP-----
ERR1_HUMAN	RRPEVDPLPFPFPFPAGP-----
ERR1_MOUSE	RRPEVDPLPFPFPFPAGP-----
AAS46251.1	RQRDDGEGRNEAVPSGDM-----
ESR1_PIG	RQRDDGEGRNEAVPPGDM-----
ESR1_HORSE	RQRDDGEGRNEAGPSGDR-----
NP_031982.1	RQRDDLEGRNEMGASGDM-----
NP_036821.1	RQRDDLEGRNEMGTSGDM-----
ESR1_MESAU	RQRDDLEGRNDMGPSGDM-----
ESR1_HUMAN	RQRDDGEGRGEVGSAGDM-----
ESR1_XENLA	RQKEEQEQKNDVDPSEIR-----
ESR1_POEGU	RQREEQDSRNGEASSTEL-----
NP_990514.1	RQREEQDSRNGEASSTEL-----
ESR1_SHEEP	-----
ESR1_OREAU	KHGPAQR-QTSQNLPTHKASP-----
ESR1_ORENI	KRRACDRDKPAKDLPHTRAS-----
ESR1_ONCMY	KRYCGPAGDREKPYGDLEH-----
ESR1_SALSA	KRYCGPAGDREKPYGDLEH-----
ESR1_PAGMA	KQRTGTSDRDKASKGLEHRT-----
ESR1_SPAAU	KRRTGTSDRDKASKGLEHRT-----
ESR1_ORYLA	KRRTGVGDGDKVVKQEHKT-----
BAB16893.1	RRRSSNEDRDKSSSDQCSR-----
ESR1 ICTPU	RRPSGLKERERGYSKAQSG-----
ERB1_CARAU	QNRLTRFSGRMRTSGPRS-----
ESR2_ONCMY	QKRLARFSGRMRTSGPRS-----
ESR2_SPAAU	MRRVTRLSSQGRTSGPSVLN-----
ESR3_MICUN	MRRMTRLTSQGRTDSSSVLT-----
ESR2_ORENI	ARRLTRLSSQGKTAEPKGIT-----
ERB2_CARAU	RN-PPIRDSSGGAIGVRGH-----
ESR2_ANGJA	RM-PHIRELAGTGGGARTQ-----
ESR2_MICUN	RGGLQPRDPTGRGL-VRVG-----
ESR2 ICTPU	RT-APMRDGSARPVGVGQSQ-----
ESR2_BOVIN	RNSDEQLHCLSKTKRNGG-----
ESR2_SHEEP	RNSDEQLHCLSKTKRNGA-----
ESR2_MOUSE	RSASEQVHCLNKAKRTSG-----
ESR2_RAT	RSSSEQVHCLSKAKRNGG-----
ESR2_CALJA	GNAEEQLHCAGKAKRSGG-----
NP_001428.1	RSADQLHCAGKAKRSGG-----
ESR2_PIG	RNSEGHLHCLSRACKNGD-----
ESR2_COTJA	RNSED---CMGKTKKYNEAAT-----
NP_990125.1	RNSED---CMGKTKKYNEAAT-----
ESR2_STUVU	RGAEERVHCLGRARRYSE-----
CAA42718.1	SKPKQP--PDASPTNLLTSL-----
NR41_RAT	SKPKQP--PDASPTNLLTSL-----

NP_002126.2	SKPKQP--PDASPANLLTSL-----
NR41_CANFA	SKPKQP--PDASPANLLTSL-----
NR42_XENLA	SKPKQI--AESSPVDLINSL-----
HR38_BOMMO	SKPKCP---QESPPSPPIISLI-----
HR38_DROME	SKPKSP---QESPPSPPIISLI-----
NP_038641.1	SKPKSP--QDPSPPSPPVSL-----
NR42_RAT	SKPKSP--QDPSPPSPPVSL-----
NP_006177.1	SKPKSP--QEPSPPSPPVSL-----
NP_008912.2	SKPKSPLQQEFSQPSPPS-----
NP_113816.1	SKPKSPLQQEFSQPSPPS-----
NP_056558.1	SKPKSPLQQEFSQPSPPS-----
NP_497731.1	SKTKLA--RSEDQSPPLPL-----
7UP2_DROME	GMHGQYQIANGDPMG-----IAG---
NP_524325.1	GMHGQYQIANGDPMG-----IAG---
NP_066285.1	-THGQFALTNGDPLNCH--SYLSG---
NP_989752.1	-THGQFALTNGDPLNCH--SYLSG---
NP_542956.1	-THGQFALTNGDPLNCH--SYLSG---
CAA54096.1	-THGQFALTNGDPLNCH--SYLSG---
NP_776827.1	-SHGQFALTNGDPLNCH--SYLSG---
NP_005645.1	-NPGQYALTNGDPLNGH--CYLSG---
NP_034281.1	-NPGQYALTNGDPLNGH--CYLSG---
NP_786998.1	-NPGQYALTNGDPLNGH--CYLSG---
NP_571255.1	-NPGQYALTNGDPLNGH--CYLSG---
NP_571261.1	-SPGQYLSNGSDPYNGQ--PYLSG---
EAR2_MOUSE	---GPAACS---PPGATGVEPFTGPPV
NP_620813.1	---GPAACS---PPGAAGVEPFAGPPV
NP_005225.2	---GAVAASSGSPPGSALAAVASG---
AAH54649.1	---DGEVESSSAANEE-----
NP_571313.1	---DGDYECSSSANEEMPVEKILE----
NP_035435.1	---ENEVESTSSANEDMPVEKIL-----
NP_036937.1	---ENEVESTSSANEDMPVEKIL-----
NP_002948.1	---ENEVESTSSANEDMPVERIL-----
RXRA_XENLA	---ENEVESSNSANEDMPVEKIL-----
NP_571228.1	---EAFFGG--CANEDMPVEKILEA----
RXRA_BRARE	---DNEVDSSSSFNEEMPVEKIL-----
NP_008848.1	---ESEAECATSGHEDMPVERIL-----
NP_033133.1	---ESEAECASSSHEDMPVERIL-----
NP_990625.1	---ENEAESTSGGSEDMPVERIL-----
RXRG_XENLA	---DTEAESTSSTSEEMPVERIL-----
NP_035436.1	---DGDGDGAGGAPEEMPVDRILE----
RXRB_RAT	---DGDGDGAGGAPEEMPVDRILE----
S37781	---DGDGEGAGGAPEEMPVDRILE----
USP_BOMMO	---DAHPSVSVQ---ELSIERLLEL----
USP_MANSE	---DAHPSVSVQ---ELSIERLLEI----
USP_CHOFU	---DAHPSVSVQVSDLSIERL-----
NP_476781.1	---GRLSASGGGSSGPGSVGGS-----
NP_059019.1	---REKPSNCAASTEKIYIRKDLR-----
TR4_MOUSE	---REKPSNCAASTEKIYIRKDLR-----
TR4_HUMAN	---REKPSNCAASTEKIYIRKDLR-----
TR2_HUMAN	---REKSNCAASTEKIYIRKDLR-----
HR78_DROME	---KEGIIAAAGGSSTSGGGNGSS-----
NH41_CAEL	---SMLCNDNNQONTTPEHLSPN-----
NP_003260.1	---QVALYFRGHKEENGAA-----
NP_689415.1	---QVALYFRGHKEDNGAA-----
NP_990501.1	---QVALYFRGHKEESSGA-----
NR21_ORYLA	---QVALYFRGHKEVNGSS-----
NR21_XENLA	---QVALYFRGHKEVNGST-----

NP_524596.1	---HMAMYKDAMMGAGEMP-----
TLL_DROVI	---HMAMYKDAMMGAAEMP-----
NP_502094.1	---QQMMFDHGSSPNS-----
NP_038736.1	---HLDAMETGSDPRSEPVA-----
NP_055064.1	---HLDSMESNTESRPESLVA-----
NP_497074.1	---PETLSISTQTDALKVK-----
NP_501775.1	---GGPMSSPTQSSLCKELTI-----
CAA54248.1	DSSL-PSINALLQAEVL-----
NP_032287.1	DSSL-PSINALLQAEVL-----
NP_071516.1	DSSL-PSINALLQAEVL-----
HN4A_XENLA	DSSL-PSINVLQAEVL-----
HN4B_XENLA	DNGS-LSINVLTQAEAM-----
HN4G_HUMAN	GSNI-PSINTLAQAEVR-----
HN4G_MOUSE	GSNI-PSINTLAQAEVR-----
S36218	DPDPGNGLSVISLVKA-----
NP_492615.2	AEKE-DLIDQLVAAETL-----
NP_491103.1	GSNG-GIVPDDPLLDLTL-----
NH35_CAEEL	MKTYCQDPTPRTSPEL-----
NP_496066.2	PSCS-TSTPTPPRPQVE-----
NH14_CAEEL	SGANSENNSDSEGTPS-----
NP_492612.1	LNGTPFKKDRSPGYEN-----
NHR1_CAEEL	---IKMSSGSDDEQATT-----
NP_498554.1	YPIKKVEASDECSPA-----
NP_504455.1	HDDNDMEGGVHHSEHI-----
NH40_CAEEL	KREEEKRLKEMVIKED-----
NP_502117.2	KKK-SVSRSLSYRLAD-----
NP_741456.1	KKK-QIDEELLNHMMRL-----
NP_510423.1	NTEGSIKKVSVGSILG-----
NP_000957.1	KEEGSP-DSYELSPQLEELIT-----
RRG2_HUMAN	KEEGSP-DSYELSPQLEELIT-----
RRG2_MOUSE	KEEGSP-DSYELSPQLEELIT-----
A34714	KEEGSP-DSYELSPQLEELIT-----
RRG_NOTVI	KEEVVT-DSYEMPPEMEALIQ-----
RRG_XENLA	KEEVVLPDSYEMPPEMEELI-----
AAB59953.1	KDEVIPPESYELSGELEELV-----
NP_571414.1	KDEVIPPESYELSGELEELV-----
AAD05222.1	PKPECS-ESYTLTPEVGELIE-----
RRA_MOUSE	PKPECS-ESYTLTPEVGELIE-----
NP_989867.1	PKTECS-ESYIVTPEVEELIE-----
RRA_XENLA	PKPEAI-ESYILSPETQDLIE-----
RRA_NOTVI	PKQECT-ESYIITPEVEDLV-----
RRB_COTJA	TKQEST-ENYEMTAELDDLTE-----
S13512	TKQEST-ENYEMTAELDDLTE-----
RRB_HUMAN	SKQECT-ESYEMTAELDDLTE-----
RRB_MOUSE	SKQECT-ESYEMTAELDDLTE-----
RRB_NOTVI	IKQECI-ESLEMTAELDDLTE-----
RRA_FUGRU	KKPECI-ENYVLPDTEQMIN-----
AAA19972.1	VAGLTASEGCQHNPQLADL-----
NP_006229.1	VAGLTANEGSQYNPQVADL-----
CAA40856.1	KAEILTCEHDLKDSETADL-----
NP_037328.1	KAEILTCEHDLKDSETADL-----
CAA68898.1	KAEILTCEHDIEDSETADL-----
PPAR_PHACI	KAEILTCEHDLEDSEVADL-----
PPAR_CANFA	KAEILTCEQDPEDAETADL-----
PPAR_CAVPO	KAEVLTCDRDSEGAETADL-----
PPAR_XENLA	KAEVLMCDQDVKDSQMADL-----
PPAS_XENLA	VQAPVS-DSAAPDSPVSDLD-----

NP_851367.1	LAEISS-DIDQLNPESADLR-----
PPAT_PIG	LAEISS-DIDQLNPESADLR-----
PPAT_CRIGR	LAEISS-DIDQLNPESADLR-----
PPAT_MACMU	LAEISS-DIDQLNPESADLR-----
CAA73382.2	LAEISS-DIDQLNPESADLR-----
NP_056953.2	LAEISS-DIDQLNPESADLR-----
NP_035276.1	LAEISS-DIDQLNPESADLR-----
PPAT_RABIT	LAEISS-DIDQLNPESADLR-----
PPAT_XENLA	LAEISS-DIDQLNPESADQR-----
CAB53540.1	LAEMQSAMN-LANNQLSS-----
NP_665718.1	LAEMQNAMN-LANNQLSS-----
NP_035714.2	LIEMQSAMKTMNTQFS-----
NRD2_HUMAN	LIEMQSAMKTMNSQFS-----
NRD2_RAT	LIEMQSAMKTMSTQFG-----
E75_CHOFU	LAAMQSSSSRAHEQAA-----
E75_MANSE	LAAMQSSSTSRAHEQAA-----
E75A_DROME	LAAMQSTQNRGQORAL-----
E75_GALME	LAAMQ-SSTTRAHEQAAA-----
E75_METEN	LAAMQ-SVNAKSQERAVL-----
E75C_DROME	WRPCNRAPRIAASSDPS-----
NP_493284.1	FEEMQKTNVQSQRDQIA-----
AAH14804.1	HAEVQKQLQQQQQQEQVA-----
RORG_HUMAN	HAEVQKQLQQRQQQQQEP-----
AAH58269.1	YAEVQKHQORLQEQRQQQ-----
RORB_RAT	YAEVQKHQORLQEQRQQQ-----
RORB_HUMAN	YAEVQKHQORLQEQRQEQ-----
NP_038674.1	YAEVQKHRMQQQORDHQQ-----
NP_599022.1	YAEVQKHRMQQQORDHQQ-----
HR3_GALME	EDEVRYHRAQMRAQTDAA-----
HR3_MANSE	EDEVRYHKAQMRAQNDA-----
NP_788303.1	EDEVRFHRAQMRAQSDAA-----
NP_740887.1	EDEVRMHKELAANGLGYQ-----
E78A_DROME	GAAASSAAAGAPASLNVD-----
NP_509713.2	DKSPDSVVFVPEISTLERQEE-----
NHR2_CAEEL	VKPSVASPNFEMTSQ-----
NP_494785.1	SMDLPTVSNPSILSFPS-----
NP_503561.2	STDLMQLLGSVGDGYP-----
NP_505589.1	DTSKTEIRRP-IPNFNI-----
NP_510659.1	SSSNPRISPT--LSWPM-----
NP_741644.1	NREEP-VLDTMRRAYEK-----
NP_504771.1	VGSPDAYEPSTSTSDS-----
NP_503608.2	-AISQSLATFLGRPEFILCCEP-----
NP_507680.1	LKVPKSFQTVGRPYFVLQCDP-----