

Alignment view for rid: **8JUPJDX012**, query ID: **lcl|1_2702**, database: **nr**

Mouse over the sequence identifier for sequence title

1_2702	1	SNMVAPISGSSVGLKRAHVSHGIREVILCKDKKKGKVLRLVQAINQGIFVVLVQANSPAAM	60
AAK13497	26	.G.....A.P..Y..Q.TNS...IT....SE....M..K...K.V..C..KK.....L	85
NP_001080412	87	N.....V...D..IR..EIKQ.....QD..I...LKS.DN....Q...V....SL	146
BAE31671	93	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	150
XP_972815	73	TS.I..L..Q.L..H..Q.TN.V.QLT.....D.....K...N.V..C..VD....L	132
NP_001006801	87	N.....V..ND..IR..EIKQ....A.....QD..I...LKS.DN....Q...T....SL	146
NP_001087618	87	N.....V..ND..IR..EIKQ.....QD..I...LKS.DN....Q...G....SL	146
EDL05687	123	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	180
BAE30020	93	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	150
BAE29785	93	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	150
BAE41161	93	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	150
BAE31729	93	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	150
BAE29647	93	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	150
NP_001091697	93	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	150
BAE29746	92	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	149
NP_058087	92	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	149
NP_001068951	90	NH.....T.GDI.IR..EIKQ.....QD..I...LKS.DN....Q.....SSL	149
NP_114192	94	VT.NDA.IR..EIKQ.....QD..I...LKSVDN....Q.....SL	151
ABQ12975	92	T.GDI.IR..EIKQ.....QD..I...LKS.DN....Q.....SSL	149
XP_001088209	86	VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	143
NP_001007069	86	VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	143
XP_624043	91	II..L..Q.L..Q..Q.TN....L.....D..I....H.V.N....C..SQ....L	148
BAE34989	92	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	149
XP_001496922	87	VT.ND..IR..EIKQ.....QD..I...LKS.DN.V..Q.....SL	144
XP_001088096	98	VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	155
XP_001087973	91	VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	148
NP_001007070	91	VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	148
NP_001007068	92	VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	149
AAB51246	92	VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	149
AAB97144	92	VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	149
EAW86812	112	VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	169
AAC27646	92	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	149
BAE31548	93	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	150
XP_001496903	93	VT.ND..IR..EIKQ.....QD..I...LKS.DN.V..Q.....SL	150
BAE35165	92	VT.NDA.IR..EIKQ.H.....QD..I...LKS.DN....Q.....SL	149
XP_540090	91	VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	148
CAH92473	92	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	149
CAH91518	91	VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	148
NP_001026195	88	VT.NDI.VR..EIKQ....T....QD..I...LKSVDN....Q.....SL	145
EDM11636	36	VT.NDA.IR..EIKQ.....QD..I...LKSVDN....Q.....SL	93
XP_001379494	91	VT..D..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	148
EAT43140	123	A.....V..G....Q.GQ.TN....L....GADK.....A...HK.V..C..VK....L	182
ABF18402	125	A.....V..G....Q.GQ.TN....L....GADK.....A...HK.V..C..VK....L	184
XP_001157154	36	VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	93

XP_875149	86	V...V..N.L.AL..EIKP.V..IH....ER..T...L...DK....Q.....T..SL	143
NP_001079704	84	L...VT.NDI..R..EIKN.V.....QH.....LR.VDK...LQ.....SL	141
NP_999963	102	...T..DL.V...EIRQ.V...V....MD..I...LK..DN.V..Q.....TA..L	157
XP_001167866	163	...VT.Y.L.VR..EIKP.V..IH....ER..T...LRKVD..L..Q.....T..SL	220
XP_001498897	86	V...V..N.L.AR..EIKP.V..IH....ER..T...FR..D....Q.....T..SL	143
XP_001112885	86	...V..Y.L.VR..EIKP.V..IH....ER..T...LRTVD..L..Q.....T..SL	143
EDL05918	108	V...V..NNL.IL..EIKP.V..IH....ER..T...L..VDK.L..Q.....T..SL	165
NP_997856	93	..R.VT.ADM.IR..EIRP.L.....QE.....LRD.DN.V..Q.....L	150
XP_318581	124	A.....V..HFT..Q..Q.TN....LVM..GVDK.....K....CV.VK.....L	183
CAC21716	86	...VT.Y.L.VR..EIKP.V..IH....ER..T...LRKVD..L..Q.....T..SL	143
XP_001367355	86	...VT.NNS.MR..EIKP.V..IH....E...M...LR..DK.L..Q.....T..SL	143
NP_663510	86	V...V..NNL.IL..EIKP.V..IH....ER..T...L..VDK.L..Q.....T..SL	143
EAX10639	75	S...VT.Y.L.VR..EIKP.V..IH....ER..T...LRKVD..L..Q.....T..SL	133
NP_536737	86	...VT.Y.L.VR..EIKP.V..IH....ER..T...LRKVD..L..Q.....T..SL	143
XP_542935	81	L...L..N.L.TR..EIKP.V..IY....EH..T...LR..D..L..Q..K.....SL	138
XP_001112910	1	...V..Y.L.VR..EIKP.V..IH....ER..T...LRTVD..L..Q.....T..SL	58
AAD20049	1	...VT.Y.L.VR..EIKP.V..IH....ER..T...LRKVD..L..Q.....T..SL	58
NP_056500	1	...VT.Y.L.VR..EIKP.V..IH....ER..T...LRKVD..L..Q.....T..SL	58
NP_001020863	90	VT..V..NDL.VL..EIKP.V..IH....ER..T...L..VDK.L..Q.....T..SL	147
NP_001040345	80	..V...L.SQ.LS.PK.T.TQA..Q.V....RN..C...LHSVDS.V..CY.A....G.L	139
XP_857475	92	...VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	149
XP_001514333	126	..MWVPS....Q.....SL	146
XP_001514311	132	..MWVPS....Q.....SL	152
10BZ-A	6	QD..I...LKS.DN....Q.....SL	42
XP_001087599	81	Q.....SL	95
XP_001157051	81	Q.....SL	95
CAG14594	1	..L..Q.....S.L	15
1N99-A	6	QD..I...LKS.DN....Q.....SL	42
EAW86816	91	...VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	148
CAM27238	92	...VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	149
EAW86813	91	...VT.ND..IR..EIKQ.....QD..I...LKS.DN....Q.....SL	148
XP_001159695	4	..V.VTENDA.IR..EIKQ.....QD..I...LKS.DND...Q.....SL	61
CAM27241	93	...VT.NDA.IR..EIKQ.....QD..I...LKS.DN....Q.....SL	150
1_2702	61	AGLRFGDQLLTINEEVLGYSVDKVHTLIVKADPDRIVMAVRDRPFERTVTMHKSSTGHV	120
AAK13497	86	I.L..S.NV....ME...DMLK.SPTNG.SL.I.....G....L..D....I	145
NP_001080412	147	...K....I.Q..G.NC..W.S..S.KMLKQVSGE..S.V.....I....D.....	206
BAE31671	151	V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	210
XP_972815	133	I.Q..GATV..FTM....EMFK.SPVNG.NVV.....L.L..D.A.T.	192
NP_001006801	147	...K....I.Q..G.NC..W.S..S.KILKQVSGE..S.I.....I....D.....	206
NP_001087618	147	...K....I.Q..G.NC..W.S..S.KVLKQVSGE..S.V.....I....D.....	206
EDL05687	181	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	240
BAE30020	151	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	210
BAE29785	151	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	210
BAE41161	151	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	210
BAE31729	151	V.....V.Q..G.SC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	210
BAE29647	151	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.C...	210

NP_001091697	151	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	210
BAE29746	150	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	209
NP_058087	150	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	209
NP_001068951	150	V.....V.Q..G.NC..W.S.RA.KVLKQ.FGEK.T.TI.....I...D....	209
NP_114192	152	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	211
ABQ12975	150	V.....V.Q..G.NC..W.S.RA.KVLKQ.FGEK.T.TI.....I...D....	209
XP_001088209	144	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D....	203
NP_001007069	144	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D....	203
XP_624043	149	I.S..DVFV...TMEQ..KMLRN..ING.KVV.....D....I	208
BAE34989	150	V.....V.QT.G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	209
XP_001496922	145	V.....V.Q..G.NC..W.S..S.KVLKQ.FGEK.T.TI.....I...D....	204
XP_001088096	156	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D....	215
XP_001087973	149	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D....	208
NP_001007070	149	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D....	208
NP_001007068	150	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D....	209
AAB51246	150	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D....	209
AAB97144	150	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D....	209
EAW86812	170	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D....	229
AAC27646	150	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D.S...	209
BAE31548	151	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	210
XP_001496903	151	V.....V.Q..G.NC..W.S..S.KVLKQ.FGEK.T.TI.....I...D....	210
BAE35165	150	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	209
XP_540090	149	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.T.....D....	208
CAH92473	150	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D....	209
CAH91518	149	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D....	208
NP_001026195	146	V.Q..G.NC..W.S..A.KVLKQ.SGE..S.II.....II...D....	205
EDM11636	94	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	153
XP_001379494	149	V.....V.Q..G.NC..WGS..A.KVLKQ.FGEK.T.TI.....D....	208
EAT43140	183	I.QV.GTLV..F...D..K.LK.S.KNN.SLV.....A..L..D.A.T.	242
ABF18402	185	I.QV.GTLV..F...D..K.LK.S.KNN.SLV.....A..L..D.A.T.	244
XP_001157154	94	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I...D....	153
XP_875149	144	V.....I.Q.DGRDC..W.T..A.QVVK..SAEK..II.....Q..I...D....	203
NP_001079704	142	V.....V.Q.DGDSC..W.T.RA.KALK..SQ...SLI.....Q..I.LQ.D....	201
NP_999963	158	I.E..GKSC..WNS.YA.KVLKNSN.E..TL.....L.....L..DMN.QL	217
XP_001167866	221	V.....I.Q.DGRDC..W.SH.A.QVVK..SG.K...V.....Q.....D.M...	280
XP_001498897	144	V.....I.Q.DGRDC..W.T..A.RVVK..SAEK...V.....Q.NI.L..D.M...	203
XP_001112885	144	V.....I.Q.DGRDC..W.SR.ANQVVK..S.EK...V.....Q.....D.M...	203
EDL05918	166	V.....I.Q.DG CDC..WNTH.A.KVLK..SAEK...VI.....Q.....D.S.Q.	225
NP_997856	151	V.Q..GQNV..WNS..A.KALKA.AEQ..ELI.....Q..I...D.S...	210
XP_318581	184	I.Q..GTLV..F...D..K.LK.S.KNN.SVV.....AI.L..D.A.SF	243
CAC21716	144	V.....Q.DGRDC..W.SH.A.QVVK..SG.K...V.....Q.....D.M...	203
XP_001367355	144	V.....I.Q.DGRDC..W.T..ARKVMK..SHEK...I.....Q....L..D.N.C.	203
NP_663510	144	V.....I.Q.DG CDC..WNTH.A.KVLK..SAEK...VI.....Q.....D.S.Q.	203
EAX10639	134	V.....Q.DGRDC..W.SH.A.QVVK..SG.K..VV.....Q.....D.M...	193
NP_536737	144	V.....Q.DGRDC..W.SH.A.QVVK..SG.K..VV.....Q.....D.M...	203
XP_542935	139	V.....I.Q.DGRDC..W.T.RA.RVLKR.SAEK.A.V.....Q.....D....	198
XP_001112910	59	V.....I.Q.DGRDC..W.SR.ANQVVK..S.EK...V.....Q.....D.M...	118

AAD20049	59	V.....Q.DGRDC..W.SH.A.QVVK..SG.K...V.....Q.....D.M...	118
NP_056500	59	V.....Q.DGRDC..W.SH.A.QVVK..SG.K..VV.....Q.....D.M...	118
NP_001020863	148	V.....I.Q.DGDCD..W.TH.AQKALK..SAEK...V.....Q.....D.S.Q.	207
NP_001040345	140	I.E..NVTV..MTM..C.DILK..PANN.T.....N..L..D.L...	199
XP_857475	150	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.T.....D.....	209
XP_857475	113	E.ILC.DQD.KI	125
XP_001514333	147	V.M.....V.Q..G.NC..W.S..S.KVLKQ.FGEK.T.TI.....I....D.....	206
XP_001514311	153	V.M.....V.Q..G.NC..W.S..S.KVLKQ.FGEK.T.TI.....I....D.....	212
10BZ-A	43	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I....D.....	102
XP_001087599	96	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I....D.....	155
XP_001157051	96	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I....D.....	155
CAG14594	16	V.Q..GQNC..W.T..A.KALKA.GES..ELV.....Q.....D.....	75
1N99-A	43	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.TXTI.....I.X..D.....	102
EAW86816	149	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I....D.....	208
EAW86816	112	E.ILC.DQD.KI	124
CAM27238	150	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....D.S...	209
CAM27238	113	E.ILC.DQD.KI	125
EAW86813	149	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI.....I....D...	206
EAW86813	112	E.ILC.DQD.KI	124
CAG14595	88	...Q.....D.....	104
EDM11637	1	TI.....D.S...	22
XP_001492473	96	L.LTIH.....I....D..VR.	119
XP_001159695	62	V.....V.Q.-----S.FWREDY.D-----TI.....I.K..D.....	105
XP_001477912	17	D.S...	33
CAM27241	151	V.....V.Q..G.NC..W.S..A.KVLKQ.FGEK.T.TI...	194
CAM27241	114	E.ILC.DQD.KI	126
1_2702	121	GFAFR---DGRIISLVK-DSSATRNGLLVDHHLLEVNGQNVVGIKDSEITKIEAA-GDI	175
AAK13497	146	..Q.-----E.TA....A.....T.....L..K.VSA..NEC-.QV	200
NP_001080412	207	..I.K--N.K.T.I....A.....T..N.C.I....I.L...QVAE.LATS-ANV	261
BAE31671	211	..I.K--S.K.T.I....A.....T...IC.I....I.L..AQ.AD.LST--TV	265
XP_972815	193	..Q.K--N.K.TTII.-....A...V.T..Q...E.....L..KQ.S.L..E.-.EV	247
NP_001006801	207	..I.K--N.K.T.I....A.....T..N.C.I....I.L...QVAELLATS-ANV	261
NP_001087618	207	..I.K--N.K.T.I....A.....TE.N.C.I....I.L...QVAE.LATS-VNV	261
EDL05687	241	..I.K--S.K.T.I....A.....T...IC.I....I.L..AQ.AD.LST--TV	295
BAE30020	211	..I.K--S.K.T.I....A.....T...IC.I....I.L..AQ.AN.LST--TV	265
BAE29785	211	..I.K--S.K.T.I....A.....T...IC.I....I.L..AQ.AD.LST--TV	265
BAE41161	211	..I.K--S.K.T.I....A.....T...IC.I....I.L..AQ.AD.LST--TV	265
BAE31729	211	..I.K--S.K.T.I....A.....T...IC.I....I.L..AQ.AD.LST--TV	265
BAE29647	211	..I.K--S.K.T.I....A.....T...IC.I....I.L..AQ.AD.LST--TV	265
NP_001091697	211	..I.K--S.K.T.I....A.....T...IC.I....I.L..AQ.AD.LST--TV	265
BAE29746	210	..I.K--S.K.T.I....A.....T...IC.I....I.L..AQ.AD.LST--TV	264
NP_058087	210	..I.K--S.K.T.I....A.....T...IC.I....I.L..AQ.AD.LST--TV	264
NP_001068951	210	..V.K--N.K.T.I....A.....TE.NIC.....I.L...Q.AD.LST--N.	264
NP_114192	212	..I.K--S.K.T.I....A.....T...IC.I....I.L..AQ.AD.LST--TV	266
ABQ12975	210	..V.K--N.K.T.I....A.....TE.NIC.....I.L...Q.AD.LST--N.	264
XP_001088209	204	..I.K--N.K.T.I....A.....TE.NIC.I....I.L...Q.AD.LSTS-TV	258

NP_001007069	204	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	258
XP_624043	209	..Q.K---N.K..A.-...A....T..QI.....K..I.LM.K...AE..NG-.N.	263
BAE34989	210	..I.K---S.K.T.I.-...A....T...IC.I.....I.L..AQ.AD.LST--.TV	264
XP_001496922	205	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	259
XP_001088096	216	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	270
XP_001087973	209	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	263
NP_001007070	209	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	263
NP_001007068	210	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	264
AAB51246	210	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	264
AAB97144	210	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	264
EAW86812	230	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	284
AAC27646	210	..I.K---S.K.T.I.-...A....T...IC.I.....I.L..AQ.AD.LST--.TV	264
BAE31548	211	..I.K---S.K.T.I.-...A....T...IC.I.....I.L..AQ.AD.LST--.TV	265
XP_001496903	211	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	265
BAE35165	210	..I.K---S.K.T.I.-...A....T...IC.I.....I.L..AQ.AD.LST--.TV	264
XP_540090	209	..I.K---N.K.T.I.-...A....TE.NIC.....I.L...Q.AD.LSTS-ETV	263
CAH92473	210	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	264
CAH91518	209	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	263
NP_001026195	206	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L..PQ.AD.LAT--.NV	260
EDM11636	154	..I.K---S.K.T.I.-...A....T...IC.I.....I.L..AQ.AD.LST--.TV	208
XP_001379494	209	..I.---N.K.T.I.T-...A....TE.NIC.....II.L..CQ.AD.LST--.T.	263
EAT43140	243	..Q.N---N.K.TAI.-...A....IE.QM..I.....I.M..K..SQL.A.G-.Q.	297
ABF18402	245	..Q.N---N.K.TAI.-...A....IE.QM..I.....I.M..K..SQL.A.G-.Q.	299
XP_001157154	154	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	208
XP_875149	204	..VIK---K.K.....-G...A....TN.YVC.....I.L..K.V.E.LAT--.NV	258
NP_001079704	202	..IYK---K.L.T....-G...A....TN.Y.C.....I.L..HQVGD.LASC-.RT	256
NP_999963	218	..I.---K...T.I.-...SA....T..QIC.I.....II.L..TQ.MD.LNSS-.GV	272
XP_001167866	281	..VIK---K.K.V....-G...A....TN.YVC..D....I.L..KK.ME.LAT--.NV	335
XP_001498897	204	..VIK---K.KV..V.-G...A....TN.SVC.....I.L..K.V.E.LAM--.NV	258
XP_001112885	204	..VIK---K.K.V....-G...A....TN.YVC..D....I.L..KK.ME.LAT--.NV	258
EDL05918	226	..SIK---K.K.V.V.-G...A....TN.YVC.....I.L..KKV.E.LTT--..V	280
NP_997856	211	..I.K---S...T....-G...A....TE.YIC.I.....I.L..TQ.KD.LTTS-PTA	265
XP_318581	244	..Q.N---N.T.TAI.-...A....I.QQ.....IAM..K..REL.SSS-DQV	298
CAC21716	204	..VIK---K.K.V....-G...A....TN.YVC..D....I.L..KK.ME.LAT--.NV	258
XP_001367355	204	..VMK---K.KV..I.-G...AQ...TN.YIC.....I.L..K.T.E.LAT--.NV	258
NP_663510	204	..SIK---K.K.V.V.-G...A....TN.YVC.....I.L..KKV.E.LTT--..V	258
EAX10639	194	..VIK---K.K.V....-G...A....TN.YVC..D....I.L..KK.ME.LAT--.NV	248
NP_536737	204	..VIK---K.K.V....-G...A....TN.YVC..D....I.L..KK.ME.LAT--.NV	258
XP_542935	199	..VIK---K.AVV.V.R-G...A....TKQSV.....L..KAV.E.LAM--.NV	253
XP_001112910	119	..VIK---K.K.V....-G...A....TN.YVC..D....I.L..KK.ME.LAT--.NV	173
AAD20049	119	..VIK---K.K.V....-G...A....TN.YVC..D....I.L..KK.ME.LAT--.NV	173
NP_056500	119	..VIK---K.K.V....-G...A....TN.YVC..D....I.L..KK.ME.LAT--.NV	173
NP_001020863	208	..FIK---K.K.V.V.-G...A....TN.YVC.....I.L..KK.IE.LTT--.NV	262
NP_001040345	200	..Q.K---N.K..A..V-...A....T..QI..I.TI...M..K..S...DES-PSV	254
XP_857475	210	..I.K---N.K.T.I.-...A....TE.NIC.....I.L.	250
XP_857475	126	.LRLKSIDN.IFVQ..QAN.P.SLV..RFGDQV.QI..E.CA.WSSDKAH.VLKQ.F.EK	185
XP_001514333	207	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L..PQ.AD.LST--.NV	261

XP_001514311	213	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L..PQ.AD.LST.-.NV	267
10BZ-A	103	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	157
XP_001087599	156	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	210
XP_001157051	156	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	210
CAG14594	76	..VYK---S.K.C....-...A....TE.Y.C.I.....I.L...Q.KD.LSTS-PTA	130
1N99-A	103	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L...Q.AD.LSTS-.TV	157
EAW86816	125	.LRLKSIDN.IFVQ..QAN.P.SLV..RFGDQV.QI..E.CA.WSSDKAH.VLKQ.F.EK	184
CAM27238	126	.LRLKSIDN.IFVQ..QAN.P.SLV..RFGDQV.QI..E.CA.WSSDKAH.VLKQ.F.EK	185
EAW86813	125	.LRLKSIDN.IFVQ..QAN.P.SLV..RFGDQV.QI..E.CA.WSSDKAH.VLKQ.F.EK	184
CAG14595	105	..VYK---S.K.C....-...A....TE.Y.C.I.....I.L...Q.KD.LSTS-PTA	159
EDM11637	23	..I.K---S.K.T.I.-...A....T...IC.I.....I.L..AQ.AD.LST.-.TV	77
XP_001492473	120	..I.K---N.K.T.I.-...A....TE.NIC.I.....I.L.G.Q.AD.LSTS-.TV	174
XP_001159695	106	..I.K---N.K.GR.A.HEDKDG.K..	129
XP_001477912	34	..I.K---S.K.T.IL.-...A....T...-IC.I.....II.L..AQ.AD.LST.-.TV	87
CAM27241	127	.LRLKSIDN.IFVQ..QAN.P.SLV..RFGDQV.QI..E.CA.WSSDKAH.VLKQ.F.EK	186
1_2702	176	VTVTVIPSFVYDHMIKHTSGGMLKKLMDHSIPDI	209
AAK13497	201	IM.....K..M..MASS-...F.....L	233
NP_001080412	262	..L..M...IF...V.RMASSV..S.....V.EV	295
BAE31671	266	..I.IM.T.IFE.I..RMAPSIM.S....T..EV	299
XP_972815	248	..I..V...I....V.KMA.SL..D.....V.NL	281
NP_001006801	262	..L..M..YIFE..V.RMASSV..N.....V.EV	295
NP_001087618	262	..L..M..YIF...V.RMASSV..S.....V.EV	295
EDL05687	296	..I.IM.T.IFE.I..RMAPSIM.S....T..EV	329
BAE30020	266	..I.IM.T.IFE.I..RMAPSIM.S....T..EV	299
BAE29785	266	..I.IM.T.IFE.I..RMAPSIM.S....T..EV	299
BAE41161	266	..I.IM.T.IFE.I..RMAPSIM.S....T..EV	299
BAE31729	266	..I.IM.T.IFE.I..RMAPSIM.S....T..EV	299
BAE29647	266	..I.IM.T.IFE.I..RMAPSIM.S....T..EV	299
NP_001091697	266	..I.IM.T.IFE.I..RMAPSIM.S....T..EV	299
BAE29746	265	..I.IM.T.IFE.I..RMATSIM.S....T..EV	298
NP_058087	265	..I.IM.T.IFE.I..RMAPSIM.S....T..EV	298
NP_001068951	265	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	298
NP_114192	267	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	300
ABQ12975	265	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	298
XP_001088209	259	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	292
NP_001007069	259	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	292
XP_624043	264	I.I.I...YI.....KMNSL..T....V..V	297
BAE34989	265	..I.IM.T.IFE.I..RMAPSIM.S....T..EV	298
XP_001496922	260	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	293
XP_001088096	271	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	304
XP_001087973	264	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	297
NP_001007070	264	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	297
NP_001007068	265	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	298
AAB51246	265	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	298
AAB97144	265	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	298
EAW86812	285	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	318

AAC27646	265	..I.IM.T.IFE.I..RMAPSIM.S....T..EV	298
BAE31548	266	..I.IM.T.IFE.I..RMAPSIM.S..G.T..EV	299
XP_001496903	266	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	299
BAE35165	265	..I.IM.T.IFE.I..RMAPSIM.S....T..EV	298
XP_540090	264	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	297
CAH92473	265	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	298
CAH91518	264	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	297
NP_001026195	261	..I.IM..SI.EYI..RMATSIM.S....V.EV	294
EDM11636	209	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	242
XP_001379494	264	..I.IM.A..FE.IM.RMASNTV.N....AV.EV	297
EAT43140	298	I.....TII..V.M.KL.TSFIRGK....V..	330
ABF18402	300	I.....TII..V.M.KL.TSFIRGK....V..	332
XP_001157154	209	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	242
XP_875149	259	I.L.I..TVI.E..V.KL.PTL.HHT.....V	292
NP_001079704	257	NKI.E..V.RL.S.L..NS....V.EV	290
NP_999963	273	..I..M.VVIFE..M.RM.SSIV.S.....EV	306
XP_001167866	336	..L.I...VI.E..V.KL.PVL.HRT.....	368
XP_001498897	259	..L.I..TVI.E..V.RL.LTL.HHT.....	292
XP_001112885	259	..L.I...VI.E..V.KL.PVL.HHT.....	291
EDL05918	281	I.L.I..TVI.E....RL.PLL.HHT.....	313
NP_997856	266	M.I.IM.K.IFE....KM...L..SS....V.EV	299
XP_318581	299	M.L.IV.KMI..V...KL.TSW.RGK....V..	331
CAC21716	259	..L.I...VI.E..V.KLPPVL.HHT.....	291
XP_001367355	259	..L.I..TVI.E....KL.ATL.HTS.....	291
NP_663510	259	I.L.I..TVI.E....RL.PLL.HHT.....	291
EAX10639	249	..L.I...VI.E..V.KLPPVL.HHT.....	281
NP_536737	259	..L.I...VI.E..V.KLPPVL.HHT.....	291
XP_542935	254	..L.I..TVI.E..V.KL.PTL.HHA.....V	287
XP_001112910	174	..L.I...VI.E..V.KL.PVL.HHT.....	206
AAD20049	174	..L.I...VI.E..V.KLPPVL.HHT.....	206
NP_056500	174	..L.I...VI.E..V.KLPPVL.HHT.....	206
NP_001020863	263	I.L.I..TVI.E....KL.PLL.HHT.....	295
NP_001040345	255	.NI.I..YGI.ER..NKM.SSLF.E.	280
XP_857475	186	I.M..	190
XP_001514333	262	I.I.IM.A.IFE.I..RMASSIM.T....T..EV	295
XP_001514311	268	I.I.IM.A.IFE.I..RMASSIM.T....T..EV	301
10BZ-A	158	..I.IM.A.	166
XP_001087599	211	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	244
XP_001157051	211	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	244
CAG14594	131	M....M.K.I.E....RM.T.LMRSV.....EV	164
1N99-A	158	..I.IX.A.	166
EAW86816	185	I.M.I	189
CAM27238	186	I.M.I	190
EAW86813	185	I.M.I	189
CAG14595	160	M....M.K.I.E....RM.T.LMRSV.....EV	193
EDM11637	78	..I.IM.A.IFE.I..RMAPSIM.S....T..EV	111
XP_001492473	175	..I.IM.A.IFE.I..QMAPSIM.S....T..EV	208

XP_001477912	88	A.I.IV.A.IFKYI..WMAPSIM.S....T..EV	121
CAM27241	187	I.M.I	191