

Clustal O alignment of LM02 proteins from vertebrates

Homo sapiens	-----	0
Mus musculus	-----	0
Bos	-----	0
Canis	-----TAITVLEISPA <span style="color: red;">SPPPNIRRRRTT</span> VTIGGGGG <span style="color: red;">RS</span> AQGVRA <span style="color: red;">PAPATA</span>	49
Cavia	<span style="color: red;">VIRSLSLAFEGSA</span> VT <span style="color: red;">VLERGGASSP</span> PER <span style="color: red;">QSKRR</span> ---RRSGGGGG <span style="color: red;">ARA</span> PEGVRA <span style="color: red;">PAA</span> GQP	57
Danio	-----	0
Equus	-----	0
Felis	-----	0
Gallus	-----MGG-GNPVNVIGGR---RGS-AAGDKAS <span style="color: red;">RADGLCGGSGG</span> --	34
Macaca	-----	0
Meleagris	-----	0
Oryctolagus	<span style="color: red;">VIRSLSLAFEGSA</span> VT <span style="color: red;">VLERGGASSP</span> PER <span style="color: red;">RSKRR</span> ---AQS---GGARASE <span style="color: red;">GVRALA</span> AAGQP	53
Oryzias	-----	0
Rattus	-----	0
Takifugu	-----	0
Tetraodon	-----	0
Xenopus	-----	0
Homo sapiens	-----MSSA <span style="color: red;">IERKSLDPSEEPV</span> DEVLQIPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	43
Mus musculus	-----MSSA <span style="color: red;">IERKSLDPSEEPV</span> DEVLQIPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	43
Bos	-----MSSA <span style="color: red;">IERKSLDPSEEPV</span> DEVLQMPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	43
Canis	<span style="color: red;">GASPGSQ</span> TGP-GPGVSPXXXX <span style="color: red;">IERKSLDPSEEPV</span> DEVLQIPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	108
Cavia	<span style="color: red;">RATKGAPPP</span> PTPPSPMSSA <span style="color: red;">IERKSLDPSEEPV</span> DEVLQIPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	117
Danio	-----MAST <span style="color: red;">IERKLEANEE</span> PVDEVLQMPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	43
Equus	-----LSREP <span style="color: red;">VDEVLQIPPSLL</span> TCGGCQ <span style="color: red;">QNI</span> GDRYFL	32
Felis	-----MLG <span style="color: red;">LLSREP</span> VDEVLQIPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	36
Gallus	---RSH <span style="color: red;">RHATKE</span> PSLPMSSA <span style="color: red;">IERKSLDPSEEPV</span> DEVLQIPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	91
Macaca	-----MSSA <span style="color: red;">IERKSLDPSEEPV</span> DEVLQIPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	43
Meleagris	-----REP <span style="color: red;">VDEVLQIPPSLL</span> TCGGCQ <span style="color: red;">QNI</span> GDRYFL	30
Oryctolagus	<span style="color: red;">RATKGAPPP</span> PTPPSPMSSA <span style="color: red;">IERKSLDPSEEPV</span> DEVLQIPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	113
Oryzias	-----MVST <span style="color: red;">IERKLEA</span> SEEPVDEVLQMPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	43
Rattus	-----MSSA <span style="color: red;">IERKSLDPSEEPV</span> DEVLQIPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	43
Takifugu	-----MAST <span style="color: red;">IERKTLETNEE</span> PVDEVLQMPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	43
Tetraodon	-----MAST <span style="color: red;">IERKTLETSE</span> EPVDEVLQMPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	43
Xenopus	-----MSSA <span style="color: red;">IERKSLDPTDE</span> PVDEVLQIPPSLLTCGGCQ <span style="color: red;">QNI</span> GDRYFL	43
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Homo sapiens	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	103
Mus musculus	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	103
Bos	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	103
Canis	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	168
Cavia	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	177
Danio	<span style="color: red;">KAIEQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> EKR <span style="color: red;">IRA</span>	103
Equus	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	92
Felis	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	96
Gallus	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	151
Macaca	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	103
Meleagris	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	90
Oryctolagus	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	173
Oryzias	<span style="color: red;">KAIEQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> EKR <span style="color: red;">IRA</span>	103
Rattus	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	103
Takifugu	<span style="color: red;">KAIEQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> EKR <span style="color: red;">IRA</span>	103
Tetraodon	<span style="color: red;">KAIEQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> EKR <span style="color: red;">IRA</span>	103
Xenopus	<span style="color: red;">KAIDQYWHEDCL</span> SCDLCG <span style="color: red;">CRLGEVGRRL</span> YYKLGRKLCRRDYL <span style="color: red;">RRLF</span> GQDGLC <span style="color: red;">ASC</span> DKR <span style="color: red;">IRA</span>	103
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Homo sapiens	<span style="color: red;">YEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKINGMI</span> --	158
Mus musculus	<span style="color: red;">YEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKINGII</span> --	158
Bos	<span style="color: red;">YEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKINGMI</span> --	158
Canis	<span style="color: red;">YEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKINGMI</span> --	223
Cavia	<span style="color: red;">YEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKINGMI</span> --	232
Danio	<span style="color: red;">FEMTRV</span> RDKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">FEWTKING</span> IV--	159
Equus	<span style="color: red;">YEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKINGMI</span> --	147
Felis	<span style="color: red;">YEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKINGMI</span> --	151
Gallus	<span style="color: red;">YEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKINGMI</span> --	206
Macaca	<span style="color: red;">YEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKINGMI</span> --	158
Meleagris	<span style="color: red;">YEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKINGMI</span> --	145
Oryctolagus	<span style="color: red;">YEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKANGM</span> M--	228
Oryzias	<span style="color: red;">FEMTRV</span> RDKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">FEWTKLNNS</span> NMV	160
Rattus	<span style="color: red;">YEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKINGII</span> --	158
Takifugu	<span style="color: red;">FEMTRV</span> RDKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">FEWTKLNNS</span> NI--	159
Tetraodon	<span style="color: red;">FEMTRV</span> RDKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">FEWTKLNNS</span> IV--	159
Xenopus	<span style="color: red;">FEMTRV</span> DKVYHLECFK <span style="color: red;">CAACQKH</span> FCVGD <span style="color: red;">RYLLIN</span> SDIVCEQDI <span style="color: red;">YEWTKLNEM</span> M--	158
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