

Supplemental Figure S 1. Mascot search results.

The top three proteins identified by the Mascot search are presented with their scores, masses and matched peptides. Lmo4, isoform CRA_b (Rattus norvegicus, gi:149026131) was the top scored protein with a 74% sequence coverage. The protein sequence of Lmo4 (isoform CRA_b) is shown with its matched peptides in bold letters.

Mascot Search Results

Top Score : gi|149026131, LIM domain only 4, isoform CRA_b [Rattus norvegicus]

Mass: 8823, **Score:** 89, Number of mass values matched: 5

Observed mass	Start-End	Peptide
1995.0880	2 - 21	M.VNPGSSSQPPPVTAGSLSWK.R
2144.1190	30 - 46	K.IADRFLLYAMDSYWHSR.C
2151.1050	2 - 22	M.VNPGSSSQPPPVTAGSLSWKR.C
2226.0040	47 - 67	R.CLKSCCQAQLGDIGTSCYTK.S
2284.1960	1 - 22	-.MVNPGSSSQPPPVTAGSLSWKR.C

No match to: 1826.9260, 2111.0900, 2113.0660

Matched peptides shown in **Bold** - Sequence Coverage: **74%**

1 MVNPGSSSQ PPPVTAGSLW KRCAGCGGKI ADRFLLYAMD SYWHSRCLKC
51 SCCQAQLGDI GTSCYTKSGM ILCRNDYIRV L

2: gi|5803072, LIM domain transcription factor LMO4 [Homo sapiens]

Mass: 17982, **Score:** 73, **Matches:** 5

Observed mass	Start-End	Peptide
1995.0880	2 - 21	M.VNPGSSSQPPPVTAGSLSWK.R
2144.1190	30 - 46	K.IADRFLLYAMDSYWHSR.C
2151.1050	2 - 22	M.VNPGSSSQPPPVTAGSLSWKR.C
2226.0040	47 - 67	R.CLKSCCQAQLGDIGTSCYTK.S
2284.1960	1 - 22	-.MVNPGSSSQPPPVTAGSLSWKR.C

No match to: 1826.9260, 2111.0900, 2113.0660

3: gi|169642489, Pgm2 protein [Rattus norvegicus]

Mass: 69015, **Score:** 58, **Matches:** 6

Observed mass	Start-End	Peptide
1826.9260	36 - 52	R.NPLTSESVKQLLAEGNK.E
1995.0880	576 - 593	K.YYAELCAPPGNSDPEQLK.R
2113.0660	258 - 276	K.FVHTSVHGVGHEFVQSAFK.A
2144.1190	1 - 22	-.MAAATPTQTPEASGLGMDAR.L
2151.1050	576 - 594	K.YYAELCAPPGNSDPEQLKR.E
2284.1960	594 - 612	K.RELDELVGAIEEHFFQPQK.Y

No match to: 2111.0900, 2226.0040