

Supplement Table: Detailed information for the peptides used to map toad cardiac myosin heavy chain sequences

The Mascot database search information was exported to Excel. The accession numbers and protein names of the matched proteins are presented here in "Accession #" and "Protein description" columns respectively. In addition, the peptide sequence, start and end positions, peptide scores and enzyme used for digestion are included in the table.

Accession #	Protein description	Start	End	Score	Peptide sequence	Enzyme
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	42	50	49	EAYLEAEIK	Lys-C
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	66	81	18	TVVVKEGDIQMNPPK	Trypsin
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	87	96	25	DMAMLTHLNE	Glu-C
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	141	153	21	KGKRRSEAPPHFH	chymotrypsin
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	166	182	72	NRENQSMITGESGAGK	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	174	192	39	ITGESGAGKTVNTRKVIQY	chymotrypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	213	235	77	TGGTLEDQIQANPALEAFGNK	Lys-C
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	248	258	30	FIRIHFGTGK	Lys-C
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	254	267	62	GTTGKLSSADIEIY	chymotrypsin
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	259	271	67	LSSADIEIYLLEK	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	269	276	30	LEKSRVIF	chymotrypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	272	294	33	SRVIFQQPGRSRYHIFQITSGK	Lys-C
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	348	364	28	YGAYKLTGAIMHFGNMK	Lys-C
gj165973976	myosin, heavy chain 3, skeletal muscle, embryonic [Gallus gallus]	405	414	31	VKVGNEYVTK	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	424	433	26	AVGALAKGIY	chymotrypsin
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	447	454	28	TLDTKLPR	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	486	504	33	LQQFFNHMHMFVLEQEEYKK	Trypsin
gj45383005	myosin-7B [Gallus gallus]	558	567	39	DNHLGKSPNF	chymotrypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	672	689	36	VRCHIPNETKTPGAMDPF	chymotrypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	682	696	88	TPGAMDPFLVLHQLR	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	693	701	19	HQLRCNGVL	chymotrypsin
gj45383005	myosin-7B [Gallus gallus]	703	711	47	CNGVLEGR	Trypsin
gj45383668	myosin-3 [Gallus gallus]	721	727	42	VLYADFK	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	786	797	21	ILTIQARARGK	Lys-C
gj83405899	myosin, heavy polypeptide 6, cardiac muscle, alpha [Mus musculus]	810	821	35	RDALLVIQWNIR	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	824	831	20	MTVKNWPW	chymotrypsin
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	844	860	47	SAETEKEMANMKEEFLK	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	879	886	43	QVTLVQEK	Lys-C
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	906	918	44	RCDLLIKSKIQME	Glu-C
gj45382109	myosin heavy chain, cardiac muscle isoform [Gallus gallus]	922	940	44	ELTERVEDEEEMNSELTSK	Lys-C
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	928	941	95	IEDEEEMNSELTSK	Trypsin
gj218546789	white muscle myosin heavy chain [Sander vitreus]	936	947	58	RKLEDECSELKK	Lys-C
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	955	965	43	DIDDLEITLAK	Lys-C
gj73992259	PREDICTED: similar to myosin, heavy polypeptide 7B, cardiac muscle, beta [Canis familiaris]	894	907	29	DIDDLELTLAKAEK	Lys-C
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	979	993	28	NLTEEMASLDDTINK	Trypsin
gj13431711	RecName: Full=Myosin heavy chain, fast skeletal muscle	998	1017	55	KALQEAHQQLDLDLQAEEDK	Lys-C
gj118099526	PREDICTED: similar to skeletal muscle myosin heavy chain MyHC-EO/IIIL [Gallus gallus]	1001	1026	48	KALQEAHQQLDLDLQAEEDKVVSTLTK	Lys-C
gj42556335	myosin heavy chain [Gasterosteus aculeatus]	321	338	74	TKLEQQVDDLEGSLEQEK	Lys-C
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1063	1075	39	LTQESLMDAENDK	Lys-C
gj38347761	myosin heavy chain [Lethenteron camtschaticum]	1081	1091	42	KDFEISQLSK	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1096	1108	49	IEDEQAIVLQLQK	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1112	1133	44	ELQARIEEEEELEAERARAK	Lys-C
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1177	1185	27	RRDLEEATL	chymotrypsin
gj348544145	PREDICTED: myosin-6-like [Oreochromis niloticus]	1179	1196	75	RDLEEATLHHEATAATLR	Trypsin
gj8272640	myosin heavy chain isoform [Rana catesbeiana]	1196	1212	47	RKKHADTVSELGEQIDNL	chymotrypsin
gj8272640	myosin heavy chain isoform [Rana catesbeiana]	1198	1216	93	HADTVSELGEQIDNLQRVK	Trypsin
gj8272640	myosin heavy chain isoform [Rana catesbeiana]	1211	1222	16	NLQRVQKLEKE	Glu-C
gj224077915	PREDICTED: similar to myosin, heavy polypeptide 7B, cardiac muscle, beta [Taeniopygia guttata]	1249	1262	35	LCRTYEDQLNEAK	Lys-C
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1292	1305	96	LLEEKESLISQLSR	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1340	1356	43	HDCDLLREQFDDEEQEAK	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1346	1359	45	REQFDDEEQEAKAEL	chymotrypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1347	1361	49	EQFDDEEQEAKAELQR	Trypsin
gj251823950	myosin-13 [Oryctolagus cuniculus]	1379	1396	34	YETDAIQRTEELLEEAKK	Lys-C
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1378	1395	24	ETDAIQRTEELLEEAKKLL	chymotrypsin
gj148229072	myosin, heavy chain 6, cardiac muscle, alpha [Xenopus laevis]	1399	1412	64	LQEAEEAVEAVNAK	Trypsin
gj344290500	PREDICTED: myosin-4-like [Loxodonta africana]	1450	1459	69	NFDKILSDWK	Trypsin
gj8272640	myosin heavy chain isoform [Rana catesbeiana]	1460	1474	53	QKYEEAQAELEASQK	Lys-C
gj116062137	fast skeletal myosin heavy chain isoform mMYH-6 [Oryzias latipes]	1475	1485	28	EARSLSTELFK	Lys-C
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	1488	1501	72	NAYEEVLNLETVK	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1488	1505	22	NAYEEVLLETVKRENK	Lys-C
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	1534	1559	44	QVEQEKSEVQVALEEAEGALEHEESK	Trypsin
gj45382109	myosin heavy chain, cardiac muscle isoform [Gallus gallus]	1560	1571	39	TLRFQLELSQLK	Trypsin
gj294489339	ventricular myosin heavy chain [Oryzias latipes]	1572	1581	31	AEMERKLESEK	Lys-C
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	1578	1589	47	LSEKDEETENIR	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1593	1599	49	QRIIESL	chymotrypsin
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	1595	1608	76	IIESLQSNLESEAK	Trypsin
gj8272640	myosin heavy chain isoform [Rana catesbeiana]	1618	1643	64	KKMEGDLNEMIEQLSHATRQATEATK	Lys-C
gj8272640	myosin heavy chain isoform [Rana catesbeiana]	1690	1698	31	LRAGLDQTE	Glu-C
gj45383005	myosin-7B [Gallus gallus]	1702	1714	65	KLAEQELLEATER	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1715	1729	74	VNLLHSQNTSLINQK	Trypsin
gj45382109	myosin heavy chain, cardiac muscle isoform [Gallus gallus]	1760	1772	57	AITDAAMMAEELK	Trypsin
gj45382109	myosin heavy chain, cardiac muscle isoform [Gallus gallus]	1758	1773	71	KAITDAAMMAEELKK	Trypsin
gj148222862	myosin, heavy polypeptide 15 [Xenopus laevis]	1787	1797	39	NMEQTIKDLQK	Lys-C
gj45382109	myosin heavy chain, cardiac muscle isoform [Gallus gallus]	1798	1808	66	RLDEAEQIALK	Lys-C
gj8272640	myosin heavy chain isoform [Rana catesbeiana]	1804	1818	34	QIALKGGKQKQKLE	Glu-C
gj301605390	PREDICTED: myosin-6-like [Xenopus (Silurana) tropicalis]	1823	1833	29	ELENELESEQR	Trypsin
gj8272640	myosin heavy chain isoform [Rana catesbeiana]	1851	1860	44	ELTYQAEEDK	Trypsin
gj56788693	cardiac myosin heavy chain ventricular isoform [Python molurus]	1862	1876	37	NLTRMQELIDKLQK	Trypsin
gj8272640	myosin heavy chain isoform [Rana catesbeiana]	1900	1921	43	KMQHELDDAQAERADIAESQVNK	Lys-C