

Additional material

Table A. The most abundant mRNAs in human skeletal muscle (*pectoralis major*)

<i>Symbol</i> ^a	<i>%</i> ^b	<i>Filter</i> ^c	<i>Gene description</i>	<i>Acc.N</i> ^d	<i>Trait ID</i> ^e
1 ACTA1	[8.54]	A03	actin, alpha 1, skeletal muscle	J00068	54
2 HBA1	[2.56]	A04	globin, alpha 1	V00491	804
3 MYL2	[2.09]	A05	myosin, light polypeptide 2, regulatory, cardiac, slow	X66141	777
4 CKM	1.31	A06	creatine kinase, muscle	M14780	1335
5 TNNT1	1.07	A07	troponin T1, skeletal, slow	S69208	697
6 RPL37A	0.99	A08	ribosomal protein L37a	L06499	1765
7 TPM2	0.85	A12	tropomyosin 2 (beta)	X06825	1673
8 MB	0.84	A09	myoglobin	X00371	1333
9 GAPD	0.77	A10	glyceraldehyde-3-phosphate dehydrogenase	M33197	1800
10 MYH7	0.68	A11	myosin, heavy polypeptide 7, cardiac muscle, beta	M57965	37
11 TNNT1	0.63	B03	troponin I, skeletal, slow	J04760	1070
12 RPL41	0.53	B04	ribosomal protein L41	Z12962	1236
13 TELE	0.49	B06	telethonin, 19 kDa sarcomeric protein/titin-cap	AJ00049	1284
14 TNNC2	0.49	C03	troponin C2, fast	X07898	1726
15 COX6A2	0.47	B07	cytochrome c oxidase subunit VIa polypeptide 2	U66875	1931
16 MYL2	0.44	B08	myosin light chain 2 (clone PWHLC2-24)	M21812	603
17 HBB	0.43	B11	globin, beta	L48932	1495
18 DES	0.42	B09	desmin	M63391	1585
19 RPS25	0.41	B12	ribosomal protein S25	M64716	1305
20 MYL3	0.39	B05	myosin, light polypeptide 3, alkali; ventricular, skeletal, slow	M24122	75
21 TNNT2	0.38	C04	troponin I, skeletal, fast	L21715	1057
22 RPL37	0.37	C05	ribosomal protein L37	D23661	1664
23 COX7A1	0.31	C08	cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)	AF03737	1312
24 ALDOA	0.28	C06	aldolase A, fructose-bisphosphate	M11560	1752
25 CRYAB	0.28	D04	crystallin, alpha B	S45630	78
26 RPLP1	0.27	C07	ribosomal protein, large, P1	M17886	1646
27 FHL1	0.25	D06	four and a half LIM domains 1	U60115	1885
28 MYH2	0.25	C09	myosin, heavy polypeptide 2, skeletal muscle, adult	S73840	38
29 TPM1	0.24	C11	tropomyosin 1 (alpha)	M19713	900
30 ENO3	0.23	D03	beta enolase, muscle	X56832	1332
31 RPL31	0.23	D05	ribosomal protein L31	X15940	1760
32 TNNC1	0.23	B10	troponin C, slow	M37984	1337
33 LOC5454	0.22	E03	6.2 kd protein	AJ01100	1302
34 MYOZ	0.22	D08	FATZ/myozenin	AJ27812	1883
35 HSPB1	0.22	C12	heat shock 27kd protein 1	U90906	826
36 -----	0.22	D12	myosin light chain 3 (MLC-3f)	X05451	1518
37 RPL10	0.21	D07	ribosomal protein L10	M64241	502
38 RPLP2	0.2	D11	ribosomal protein, large P2	M17887	1944
39 NTRK1	0.2	E05	tropomyosin (1.3 kb mRNA)	X04201	1085
40 TPT1	0.2	E09	tumor protein, translationally-controlled 1	X16064	1348
41 COX7C	0.19	D10	cytochrome c oxidase subunit VIIc	X16560	121
42 UBA52	0.19	E07	ubiquitin A-52 residue ribosomal protein fusion product 1	X56999	1356
43 -----	0.18	E06	PROVISIONAL: cDNA FLJ22805 fis, clone KAIA2821	AK02645	756
44 TNNT3	0.18	D09	troponin T3, skeletal, fast	M21984	685
45 RPL32	0.17	E08	ribosomal protein L32	X03342	1573
46 RPS11	0.17	E04	ribosomal protein S11	X06617	1735
47 RPS20	0.17		ribosomal protein S20	L06498	258
48 TTN	0.17		titin	X69490	1593
49 PYGM	0.15	E10	glycogen phosphorylase, muscle (McArdle syndrome)	U94777	1480
50 MYBPC1	0.15	C10	myosin-binding protein C, slow-type	X73114	1574

Only nuclear-encoded mRNAs are shown (Mitochondrial transcripts are listed in Table B)

^aOfficial Gene Symbol. ^bRelative abundance, estimated after analysis of about 37,000 independent cDNA clones (Materials and Methods); number between square brackets refers to frequencies calculated from the first thousand ESTs of the HM1 library (Ref. 13). ^cPosition on the nylon filters used for pre-screening tests (Figure 1 and Table C). ^dGenBank accession number. ^eEntry at Muscle TRAIT database (<http://muscle.cribi.unipd.it>).

A more comprehensive table is available at our WEB site.