

附表 1 肝癌组织的 TMT 标记蛋白质组学定量结果

Table S1 Quantification results of TMT labeling proteomic analysis for HCC tissues

Protein accession	Protein description	Coverage/%	Score	C1/P1 ratio	C2/P2 ratio	C3/P3 ratio
O00763	Acetyl-CoA carboxylase 2	6.6	287	0.412	0.377	0.659
O15020	Spectrin beta chain, non-erythrocytic 2	10.2	673	0.509	0.59	0.613
O43704	Sulfotransferase family cytosolic 1B member 1	6.8	116	0.281	0.316	0.581
O43741	5-AMP-activated protein kinase subunit beta-2	17.6	138	0.562	0.598	0.574
O75452	Retinol dehydrogenase 16	30.3	432	0.286	0.391	0.624
O95954	Formimidoyltransferase-cyclodeaminase	40.3	1095	0.359	0.389	0.559
P00325	Alcohol dehydrogenase 1B	56	4444	0.139	0.464	0.623
P00439	Phenylalanine-4-hydroxylase	30.3	429	0.327	0.457	0.638
P00918	Carbonic anhydrase 2	48.5	803	0.594	0.251	0.589
P05062	Fructose-bisphosphate aldolase B	54.7	4616	0.556	0.602	0.604
P05089	Arginase-1	35.4	457	0.581	0.563	0.583
P06737	Glycogen phosphorylase, liver form	44.2	1979	0.43	0.289	0.637
P07148	Fatty acid-binding protein, liver	80.3	1602	0.214	0.313	0.595
P08319	Alcohol dehydrogenase 4	77.4	3910	0.187	0.321	0.648
P09210	Glutathione S-transferase A2	48.6	995	0.316	0.636	0.438
P09467	Fructose-1,6-bisphosphatase 1	44.1	2004	0.488	0.318	0.575
P10635	Cytochrome P450 2D6	29.6	419	0.362	0.625	0.644

P14550	Alcohol dehydrogenase [NADP(+)]	46.2	625	0.656	0.395	0.627
P30084	Enoyl-CoA hydratase, mitochondrial	46.6	806	0.278	0.56	0.662
P34913	Bifunctional epoxide hydrolase 2	26.7	665	0.564	0.489	0.631
P35573	Glycogen debranching enzyme	24.9	1113	0.422	0.362	0.657
P46952	3-hydroxyanthranilate 3,4-dioxygenase	28.7	340	0.63	0.644	0.665
P50225	Sulfotransferase 1A1	35.6	421	0.586	0.554	0.572
P54840	Glycogen [starch] synthase, liver	11.4	172	0.593	0.187	0.607
Q02928	Cytochrome P450 4A11	19.5	394	0.286	0.553	0.62
Q03013	Glutathione S-transferase Mu 4	49.5	563	0.398	0.438	0.618
Q16851	UTP--glucose-1-phosphate uridylyltransferase	53.3	1819	0.376	0.314	0.612
Q3LXA3	Bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing)	47.5	1431	0.408	0.297	0.661
Q6IB77	Glycine N-acyltransferase	11.8	94	0.243	0.462	0.638
Q6UXB4	C-type lectin domain family 4 member G	9.9	66	0.302	0.353	0.579
Q7Z5P4	17-beta-hydroxysteroid dehydrogenase 13	35	517	0.53	0.256	0.592
Q93088	Betaine--homocysteine S-methyltransferase 1	51.7	1212	0.279	0.415	0.631
Q96N76	Urocanate hydratase	9.2	358	0.29	0.274	0.514
Q9H2A2	Aldehyde dehydrogenase family 8 member A1	17	402	0.27	0.296	0.645
Q9H2M3	S-methylmethionine--homocysteine S-methyltransferase BHMT2	39.7	593	0.478	0.44	0.638
Q9H2X3	C-type lectin domain family 4 member M	9.5	142	0.292	0.32	0.496
Q9NZN3	EH domain-containing protein 3	18.1	120	0.423	0.341	0.655

Q9UBQ7	Glyoxylate reductase/hydroxypyruvate reductase	46	1140	0.322	0.648	0.603
O00757	Fructose-1,6-bisphosphatase isozyme 2	8.3	201	0.537	0.418	0.735
O15120	1-acyl-sn-glycerol-3-phosphate acyltransferase beta	8.6	63	0.738	0.65	0.714
O43708	Maleylacetoacetate isomerase	24.1	210	0.364	0.454	0.756
O76054	SEC14-like protein 2	17.9	147	0.445	0.584	0.831
O95154	Aflatoxin B1 aldehyde reductase member 3	26.6	652	0.196	0.762	0.558
O95210	Starch-binding domain-containing protein 1	29.1	399	0.443	0.661	0.802
O95255	Multidrug resistance-associated protein 6	3.1	74	0.768	0.7	0.792
O95340	Bifunctional 3-phosphoadenosine 5-phosphosulfate synthase 2	14	150	0.514	0.786	0.703
P00326	Alcohol dehydrogenase 1C	54.9	3547	0.162	0.674	0.518
P00915	Carbonic anhydrase 1	29.9	824	0.442	0.465	0.807
P02042	Hemoglobin subunit delta	83	2449	0.44	0.463	0.816
P02794	Ferritin heavy chain	36.1	650	0.318	0.33	0.802
P05090	Apolipoprotein D	29.1	206	0.597	0.768	0.799
P07327	Alcohol dehydrogenase 1A	54.9	4615	0.246	0.67	0.638
P08684	Cytochrome P450 3A4	27.6	736	0.187	0.337	0.757
P09417	Dihydropteridine reductase	34.8	262	0.455	0.783	0.733
P11509	Cytochrome P450 2A6	36.2	858	0.447	0.754	0.576
P11586	C-1-tetrahydrofolate synthase, cytoplasmic	43.9	2530	0.558	0.824	0.718
P11712	Cytochrome P450 2C9	31.8	932	0.508	0.732	0.794
P14920	D-amino-acid oxidase	9.5	95	0.355	0.667	0.763

P16157	Ankyrin-1	2.1	92	0.477	0.44	0.742
P16219	Short-chain specific acyl-CoA dehydrogenase, mitochondrial	32.3	935	0.543	0.592	0.798
P16662	UDP-glucuronosyltransferase 2B7	29.3	1090	0.255	0.786	0.63
P17516	Aldo-keto reductase family 1 member C4	57	660	0.411	0.578	0.789
P19404	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	12	102	0.517	0.659	0.804
P21695	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic	50.1	616	0.262	0.168	0.705
P21964	Catechol O-methyltransferase	28.8	276	0.584	0.23	0.719
P22105	Tenascin-X	7.8	541	0.476	0.405	0.757
P27169	Serum paraoxonase/arylesterase 1	17.5	297	0.406	0.818	0.691
P28332	Alcohol dehydrogenase 6	44.8	725	0.216	0.364	0.697
P30046	D-dopachrome decarboxylase	49.2	655	0.705	0.78	0.584
P32119	Peroxiredoxin-2	46	485	0.537	0.45	0.718
P32754	4-hydroxyphenylpyruvate dioxygenase	37.2	814	0.195	0.711	0.661
P33121	Long-chain-fatty-acid--CoA ligase 1	44.3	1551	0.346	0.533	0.674
P34896	Serine hydroxymethyltransferase, cytosolic	29.8	1199	0.571	0.548	0.747
P36537	UDP-glucuronosyltransferase 2B10	23.7	829	0.29	0.795	0.61
P36871	Phosphoglucomutase-1	42.9	1851	0.47	0.46	0.677
P40261	Nicotinamide N-methyltransferase	26.9	317	0.277	0.477	0.711
P42765	3-ketoacyl-CoA thiolase, mitochondrial	54.2	1966	0.517	0.618	0.727
P46019	Phosphorylase b kinase regulatory subunit alpha, liver isoform	6.6	176	0.601	0.233	0.774
P50053	Ketohexokinase	31.5	480	0.468	0.395	0.748

P52758	Ribonuclease UK114	53.3	417	0.385	0.721	0.401
P54819	Adenylate kinase 2, mitochondrial	33.1	268	0.556	0.826	0.704
P62330	ADP-ribosylation factor 6	21.7	232	0.829	0.801	0.777
P68871	Hemoglobin subunit beta	83	4451	0.425	0.411	0.75
P69905	Hemoglobin subunit alpha	56.3	1442	0.457	0.408	0.772
P78417	Glutathione S-transferase omega-1	36.9	539	0.642	0.744	0.741
P80404	4-aminobutyrate aminotransferase, mitochondrial	55.4	1924	0.446	0.596	0.748
Q00266	S-adenosylmethionine synthase isoform type-1	34.9	644	0.43	0.659	0.715
Q03154	Aminoacylase-1	39	972	0.439	0.651	0.78
Q08AH3	Acyl-coenzyme A synthetase ACSM2A, mitochondrial	38.6	1056	0.293	0.369	0.704
Q13162	Peroxiredoxin-4	35.4	370	0.501	0.751	0.784
Q13576	Ras GTPase-activating-like protein IQGAP2	30.7	1731	0.712	0.821	0.802
Q14117	Dihydropyrimidinase	29.7	428	0.594	0.394	0.805
Q15493	Regucalcin	37.5	566	0.409	0.678	0.764
Q16134	Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial	34	571	0.425	0.741	0.782
Q16836	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial	20.7	281	0.412	0.746	0.75
Q16853	Membrane primary amine oxidase	4.2	144	0.391	0.354	0.813
Q5R3I4	Tetratricopeptide repeat protein 38	15.8	317	0.58	0.441	0.772
Q6P2I3	Fumarylacetoacetate hydrolase domain-containing protein 2B	19.1	123	0.601	0.592	0.73
Q86WU2	Probable D-lactate dehydrogenase, mitochondrial	14.6	176	0.295	0.799	0.7
Q8IUZ5	5-phosphohydroxy-L-lysine phospho-lyase	13.8	139	0.768	0.435	0.681

Q8N5Z0	Kynurenine/alpha-aminoadipate aminotransferase, mitochondrial	6.1	138	0.181	0.315	0.717
Q93100	Phosphorylase b kinase regulatory subunit beta	4.7	61	0.592	0.378	0.762
Q96DG6	Carboxymethylenebutenolidase homolog	38.8	359	0.547	0.681	0.644
Q96HR9	Receptor expression-enhancing protein 6	16.8	371	0.307	0.68	0.694
Q96I99	Succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial	33.1	631	0.429	0.826	0.669
Q96LZ7	Regulator of microtubule dynamics protein 2	11.2	86	0.466	0.685	0.796
Q9H8H3	Methyltransferase-like protein 7A	37.3	520	0.387	0.718	0.712
Q9HC38	Glyoxalase domain-containing protein 4	17.6	183	0.554	0.303	0.8
Q9HCS2	Cytochrome P450 4F12	12.8	283	0.77	0.552	0.798
Q9NQR4	Omega-amidase NIT2	51.4	455	0.602	0.683	0.718
Q9NQX3	Gephyrin	3.9	73	0.467	0.622	0.739
Q9NRV9	Heme-binding protein 1	24.9	156	0.651	0.723	0.694
Q9NYQ3	Hydroxyacid oxidase 2	8	72	0.144	0.157	0.668
Q9UBN7	Histone deacetylase 6	4.1	290	0.565	0.342	0.802
Q9UBR1	Beta-ureidopropionase	34.9	563	0.515	0.539	0.81
Q9UI17	Dimethylglycine dehydrogenase, mitochondrial	19.2	698	0.363	0.513	0.725
Q9UIJ7	GTP:AMP phosphotransferase AK3, mitochondrial	24.7	196	0.441	0.806	0.757
Q9UNU6	7-alpha-hydroxycholest-4-en-3-one 12-alpha-hydroxylase	6	185	0.199	0.395	0.718
Q9Y2S2	Lambda-crystallin homolog	26.6	356	0.762	0.802	0.769
Q9Y617	Phosphoserine aminotransferase	38.1	445	0.648	0.794	0.717
O00468	Agrin	6.9	325	2.201	1.271	1.519

O00571	ATP-dependent RNA helicase DDX3X	14.4	311	1.916	1.464	1.203
O14744	Protein arginine N-methyltransferase 5	8.2	89	2.298	1.471	1.481
O14980	Exportin-1	13.6	423	1.923	1.268	1.204
O75643	U5 small nuclear ribonucleoprotein 200 kDa helicase	7.8	358	2.191	1.328	1.398
O95202	LETM1 and EF-hand domain-containing protein 1, mitochondrial	7.8	133	1.729	2.112	1.466
P02545	Prelamin-A/C	47.4	2060	3.178	3.042	1.218
P02786	Transferrin receptor protein 1	8.8	127	4.241	3.659	1.327
P05455	Lupus La protein	27.9	415	2.408	1.246	1.414
P06748	Nucleophosmin	29.3	444	2.134	1.711	1.248
P07910	Heterogeneous nuclear ribonucleoproteins C1/C2	27.1	343	3.002	1.249	1.32
P08238	Heat shock protein HSP 90-beta	36	3348	2.069	1.289	1.387
P08572	Collagen alpha-2(IV) chain	8.1	647	1.351	1.407	1.618
P09651	Heterogeneous nuclear ribonucleoprotein A1	31.5	897	2.903	1.441	1.553
P10412	Histone H1.4	17.8	235	3.408	2.449	1.296
P13987	CD59 glycoprotein	17.2	232	1.509	1.351	1.338
P14866	Heterogeneous nuclear ribonucleoprotein L	18	263	2.744	1.444	1.585
P14868	Aspartate--tRNA ligase, cytoplasmic	24.4	299	1.379	1.244	1.202
P18031	Tyrosine-protein phosphatase non-receptor type 1	11.5	153	1.856	1.59	1.353
P19338	Nucleolin	18.9	558	2.87	1.694	1.494
P19823	Inter-alpha-trypsin inhibitor heavy chain H2	9.8	266	1.703	1.413	1.298
P20042	Eukaryotic translation initiation factor 2 subunit 2	16.2	88	1.88	1.412	1.281

P20700	Lamin-B1	41.3	1077	3.97	1.369	1.398
P22087	rRNA 2-O-methyltransferase fibrillarin	25.2	174	2.414	1.399	1.353
P22626	Heterogeneous nuclear ribonucleoproteins A2/B1	45.9	1714	2.098	1.51	1.207
P23246	Splicing factor, proline- and glutamine-rich	16.4	421	2.824	1.954	1.444
P26640	Valine--tRNA ligase	18	762	1.72	1.669	1.329
P30740	Leukocyte elastase inhibitor	23.2	291	1.949	1.315	1.347
P31942	Heterogeneous nuclear ribonucleoprotein H3	27.7	327	1.696	1.468	1.242
P31946	14-3-3 protein beta/alpha	52.8	1035	1.887	1.434	1.529
P34932	Heat shock 70 kDa protein 4	29.4	640	1.561	1.44	1.235
P42166	Lamina-associated polypeptide 2, isoform alpha	16.1	261	2.511	1.271	1.228
P42704	Leucine-rich PPR motif-containing protein, mitochondrial	12.6	508	1.472	1.436	1.412
P43243	Matrin-3	12	352	2.209	1.384	1.238
P49750	YLP motif-containing protein 1	1.9	105	1.997	1.659	1.372
P49915	GMP synthase [glutamine-hydrolyzing]	10.1	216	3.157	1.44	1.383
P50402	Emerin	19.7	94	2.029	1.508	1.399
P51157	Ras-related protein Rab-28	8.1	50	2.127	1.375	1.463
P52272	Heterogeneous nuclear ribonucleoprotein M	21.2	423	1.991	1.208	1.27
P53999	Activated RNA polymerase II transcriptional coactivator p15	37	289	3.637	1.48	1.306
P54578	Ubiquitin carboxyl-terminal hydrolase 14	16.2	321	2.385	1.233	1.292
P55265	Double-stranded RNA-specific adenosine deaminase	7.9	282	2.773	2.073	1.304
P57740	Nuclear pore complex protein Nup107	6.7	59	2.178	1.37	1.433

P61026	Ras-related protein Rab-10	26	460	2.667	1.595	1.387
P62805	Histone H4	57.3	830	3.079	1.502	1.485
P62826	GTP-binding nuclear protein Ran	24.1	409	1.56	1.204	1.229
P67809	Nuclease-sensitive element-binding protein 1	21.9	414	2.233	1.631	1.417
Q01844	RNA-binding protein EWS	3.5	138	1.896	1.366	1.208
Q07157	Tight junction protein ZO-1	5.8	329	1.515	1.442	1.247
Q07955	Serine/arginine-rich splicing factor 1	27.4	453	2.634	1.339	1.455
Q07960	Rho GTPase-activating protein 1	19.8	269	1.643	1.422	1.416
Q08211	ATP-dependent RNA helicase A	14.3	543	2.411	1.602	1.425
Q12906	Interleukin enhancer-binding factor 3	19.2	494	2.266	1.275	1.473
Q13243	Serine/arginine-rich splicing factor 5	15.4	245	2.381	1.602	1.218
Q13263	Transcription intermediary factor 1-beta	16	291	2.008	1.634	1.364
Q13435	Splicing factor 3B subunit 2	10.7	272	3.124	1.659	1.249
Q14247	Src substrate cortactin	15.6	231	1.883	1.35	1.605
Q14444	Caprin-1	7.6	196	2.785	1.295	1.333
Q14839	Chromodomain-helicase-DNA-binding protein 4	3.7	235	4.676	1.307	1.222
Q14847	LIM and SH3 domain protein 1	41.8	594	2.292	1.64	1.446
Q14980	Nuclear mitotic apparatus protein 1	13.4	741	3.247	1.637	1.316
Q15233	Non-POU domain-containing octamer-binding protein	28.2	651	3.352	1.724	1.431
Q15424	Scaffold attachment factor B1	7.8	193	2.309	1.259	1.65
Q15459	Splicing factor 3A subunit 1	9.1	127	2.512	1.339	1.382

Q16629	Serine/arginine-rich splicing factor 7	13.4	202	2.324	1.214	1.364
Q16630	Cleavage and polyadenylation specificity factor subunit 6	7.8	180	3.046	1.386	1.816
Q16891	MICOS complex subunit MIC60	26.6	640	1.621	1.36	1.293
Q5JTZ9	Alanine--tRNA ligase, mitochondrial	7.9	180	2.295	1.523	1.384
Q5T2W1	Na(+)/H(+) exchange regulatory cofactor NHE-RF3	11.4	223	2.002	1.431	1.546
Q63HN8	E3 ubiquitin-protein ligase RNF213	6.1	579	1.946	1.409	1.295
Q6P2Q9	Pre-mRNA-processing-splicing factor 8	8.4	497	2.529	1.228	1.519
Q6PKG0	La-related protein 1	4.7	102	2.311	1.84	1.388
Q7L014	Probable ATP-dependent RNA helicase DDX46	10.6	280	2.381	1.48	1.245
Q8IXT5	RNA-binding protein 12B	6	73	3.918	1.8	1.425
Q8NC51	Plasminogen activator inhibitor 1 RNA-binding protein	36.3	349	1.958	1.384	1.343
Q8NE71	ATP-binding cassette sub-family F member 1	15.1	556	3.274	1.447	1.606
Q8TEM1	Nuclear pore membrane glycoprotein 210	2.9	100	2.338	1.254	1.347
Q8WUY1	Protein THEM6	8.2	73	2.047	1.618	1.352
Q8WVM8	Sec1 family domain-containing protein 1	7.8	169	2.124	1.334	1.24
Q92499	ATP-dependent RNA helicase DDX1	17.7	308	1.935	1.413	1.206
Q92616	Translational activator GCN1	9.2	411	2.269	1.5	1.355
Q92820	Gamma-glutamyl hydrolase	6.3	123	1.323	1.343	1.716
Q92878	DNA repair protein RAD50	8.2	126	2.011	1.5	1.357
Q96AE4	Far upstream element-binding protein 1	21.6	345	2.389	1.613	1.31
Q96PK6	RNA-binding protein 14	10.2	161	2.544	1.459	1.346

Q99829	Copine-1	5.4	80	1.99	1.901	1.392
Q9BXP5	Serrate RNA effector molecule homolog	9.9	176	3.107	1.52	1.428
Q9H3P7	Golgi resident protein GCP60	10.2	169	1.856	1.414	1.268
Q9HB71	Calcyclin-binding protein	17.5	109	2.843	1.971	1.438
Q9UQ88	Cyclin-dependent kinase 11A	4.9	62	2.449	1.509	1.388
Q9UQE7	Structural maintenance of chromosomes protein 3	8.9	195	3.461	1.23	1.34
Q9Y2W1	Thyroid hormone receptor-associated protein 3	7.3	180	2.338	1.231	1.49
Q9Y2X3	Nucleolar protein 58	14.4	200	1.489	1.279	1.273
Q9Y305	Acyl-coenzyme A thioesterase 9, mitochondrial	16.2	131	1.773	1.407	1.667
Q9Y383	Putative RNA-binding protein Luc7-like 2	16.1	260	2.992	1.921	1.492
O00267	Transcription elongation factor SPT5	5.2	93	3.356	1.817	1.569
O14828	Secretory carrier-associated membrane protein 3	13	363	3.936	2.467	1.56
O43776	Asparagine--tRNA ligase, cytoplasmic	12.2	115	1.9	1.838	1.691
O75367	Core histone macro-H2A.1	14	175	4.12	1.887	1.663
O94906	Pre-mRNA-processing factor 6	5.5	86	2.031	1.643	1.584
P02751	Fibronectin	27.3	2520	2.392	4.003	1.516
P02771	Alpha-fetoprotein	1	38	1.617	3.179	1.51
P07942	Laminin subunit beta-1	8.3	354	5.179	1.66	2.896
P09486	SPARC	7.9	53	2.907	2.231	2.087
P09874	Poly [ADP-ribose] polymerase 1	10.9	301	2.877	3.188	1.629
P14543	Nidogen-1	9	354	3.098	1.84	2.122

P16284	Platelet endothelial cell adhesion molecule	5.4	93	3.125	1.76	1.743
P23142	Fibulin-1	15.8	426	2.436	2.413	1.641
P23588	Eukaryotic translation initiation factor 4B	7.9	97	3.531	2.023	1.522
P27695	DNA-(apurinic or apyrimidinic site) lyase	28.3	809	3.63	1.541	1.573
P27708	CAD protein	3.9	396	5.672	1.557	2.02
P29218	Inositol monophosphatase 1	15.5	113	1.855	1.788	1.741
P33897	ATP-binding cassette sub-family D member 1	9.8	179	2.289	1.748	2.388
P43246	DNA mismatch repair protein Msh2	4.9	65	4.445	1.794	1.671
P46063	ATP-dependent DNA helicase Q1	4.3	61	4.205	1.744	1.882
P78527	DNA-dependent protein kinase catalytic subunit	13.5	1613	2.826	1.508	1.504
Q00839	Heterogeneous nuclear ribonucleoprotein U	16.2	513	2.627	1.831	1.535
Q01469	Fatty acid-binding protein, epidermal	37	232	4.241	2.694	2.15
Q07065	Cytoskeleton-associated protein 4	46.5	1243	3.777	1.614	1.618
Q5JTH9	RRP12-like protein	3.9	67	2.246	2.128	1.756
Q71DI3	Histone H3.2	19.1	152	3.946	1.691	1.504
Q7Z2K6	Endoplasmic reticulum metalloproteinase 1	6.5	98	2.924	2.054	1.699
Q96DV4	39S ribosomal protein L38, mitochondrial	12.6	70	2.287	1.676	1.513
Q9BQG0	Myb-binding protein 1A	4.7	143	1.888	1.712	1.772
Q9HAV4	Exportin-5	3.3	78	5.024	2.056	2.659
Q9NYF8	Bcl-2-associated transcription factor 1	8	187	2.664	1.594	1.517
Q9Y5B9	FACT complex subunit SPT16	8.5	236	6.517	1.866	1.752

附表 2 选定肽段和蛋白质的 PRM 定量结果

Table S2 PRM quantification results of the selected peptides and proteins

Accession	Protein description	Peptide sequence	C1 area	P1 area	PRM ratio	C2 area	P2 area	PRM ratio	C3 area	P3 area	PRM ratio
P02771	Alpha-fetoprotein	DFNQFSSGEK	583476	151526	3.851	190478	56020	3.400	263199	107273	2.454
P02751	Fibronectin	VDVIPVNLPGHEGQR	212921504	46611236	4.570	407514464	31652118	12.875	148913504	54296412	2.743
P08238	Heat shock protein HSP 90-beta	DNSTMGYMMAK	27691412	8189163	3.401	11600078	6057692	1.809	13318711	4670105	2.682
		TLTLVDTGIGMTK	386112096	112892040		118244056	69469544		260303424	103644856	
Q01469	Fatty acid-binding protein, epidermal	ELGVGIALR	99601312	8062914	12.353	32503216	8344909	3.895	73959800	32311634	2.289
P07148	Fatty acid-binding protein, liver	AIGLPEELIQK	636567552	7582988800	0.084	475731904	3832620544	0.124	2450482176	3527142912	0.695
P00325	Alcohol dehydrogenase 1B	KPFSIEDVEVAPPK	78037496	1710388224	0.035	1493008512	4260316672	0.460	883183872	1726778368	0.511
		AAVLWEVK	53402492	1535533952		1744364032	2332557056		1268582144	1636705280	
		GAVYGGFK	28827198	1096718464		738926080	1604832896		330543424	682648256	
P08319	Alcohol dehydrogenase 4	DLHKPIQEVIIELTK	6719772	1389621248	0.004	322396864	1266669696	0.190	545863488	674560832	0.708
		FNLDALVTHTLFPDK	7350472	1882574464		170082896	1347278080		390724128	644315712	