

Additional file 1. Identification of proteins differentially expressed in esophageal cancer specimens by MALDI-TOF MS and MS/MS

Protein name	Accession No.	Gene name	Theoretical MW(Da)/pI	Mascot score	Matched peptide	Coverage (%)	Sequence confirmed by MS/MS	MS/MS score
Annexin A1	P04083	ANXA1	38690/6.57	334	16	42	¹¹⁴ TPAQFDADEL ¹²⁴	72
							²¹⁵ GTDVNVFNTILT ²²⁸ TTR	29
							¹⁸⁹ SEDFGVNEDLADSD	39
							AR ²⁰⁴	
Serpine B5 precursor	P36952	SERPINB5	42111.5/5.72	230	14	42	³⁴⁶ DELNADHPFIYIIR ³⁵⁹	23
							⁴⁸ GDTANEIGQVLHFEN	53
							VK ⁶⁴	
							³²² VCLEITEDGGDSIEVP	20
Transthyretin [Precursor]	P02766	TTR	15877/5.52	47	5	11	GAR ³⁴⁰	-
Thioredoxin	P10599	TXN	11729.7/4.82	106	8	21	-	-
Apolipoprotein A-I [Precursor]	P02647	APOA1	30758.9/5.56	243	12	32	⁷³ CMPTFQFFK ⁸¹	32
							¹²¹ VQPYLDDFQK ¹³⁰	22
							¹⁸⁵ THLAPYSDEL ¹⁹⁵	60
							⁵² DYVSQFEGSALGK ⁶⁴	21
Triosephosphate isomerase	P60174	TPI1	26652.7/6.45	103	7	24	³⁴ VPADTEVVCAPPTAY	22
							IDFAR ⁵³	
Serpine B3	P29508	SERPINB3	44536.5/6.35	158	14	29	¹²⁶ FYQTSVESVDFANAP	83
							EESR ¹⁴⁴	
Translationally controlled tumor protein	P13693	TPT1	19582.6/4.75	58	6	13	-	-

HHPeptidyl-prolyl cis-trans isomerase A	P62937	PIIA	18000.9/7.68	345	17	73	⁵⁶ IIPGFMCQGGDFTR ⁶⁹	25
							⁷⁷ SIYGEKFEDENFILK ⁹¹	69
							² VNPTVFFDIAVDGEPL	106
							GR ¹⁹	
Profilin-1	P07737	PFN1	15044.6/8.44	148	8	47	⁵⁷ SSFYVNGLTGGGQK ⁷⁰	51
Cystatin-B	P04080	CSTB	11132.6/6.96	135	6	45	⁵⁷ VHVGDEDFVHLR ⁶⁸	62
							⁷⁶ GPGVPFQR ⁸³	34
							¹⁰⁰ AVVGDAQYHHFR ¹¹¹	54
Galectin-7	P47929	LGALS7	15065.8/7.03	317	16	85	³³ FHVNLLCGEEQGSDA	54
							ALHFNPR ⁵⁴	
							⁹² IQLVEEELDR ¹⁰¹	65
Tropomyosin beta chain	P07951	TPM2	32830.6/4.66	325	21	37	¹⁶⁸ KLVILEGELER ¹⁷⁸	53
							³⁸ QLEEEQQALQK ⁴⁸	29
							¹⁶⁸ KLVIEGDLR ¹⁷⁸	30
Tropomyosin alpha-3 chain	P06753	TPM3	32798.7/4.68	301	19	41	²⁵² TIDDLEDELYAQK ²⁶⁴	66
							⁹² IQLVEEELDRAQER ¹⁰⁵	24
							⁷⁰ ITLSQVGDVLR ⁸⁰	28
Myosin light chain 1	P05976	MYL1	21131.8/4.97	132	8	34	¹²⁵ DQATYEDFVEGLR ¹³⁷	32
Myosin light chain 3	P08590	MYL3	21917/5.03	292	13	55	⁸² ALGQNPTQAEVLR ⁹⁴	54
							¹²⁶ DTGTYEDFVEGLR ¹³⁸	80
Serum amyloid P-component [Precursor]	P02743	APCS	25371.1/6.1	74	7	21	-	-
Myosin light chain 6B	P14649	MYL6B	22749.7/5.56	79	6	23	¹³⁹ GQGTYEDYLEGFR ¹⁵¹	36
							⁴¹ DGFIDKNDLR ⁵⁰	47
Myosin regulatory light chain 2	P10916	MYL2	18777.4/4.92	252	17	76	³¹ EAFITMDQNR ⁴⁰	23
							⁹² GADPEETILNAFK ¹⁰⁴	40
Myoglobin	P02144	MB	17172.9/7.14	56	5	27	-	-

Alpha-crystallin B chain	P02511	CRYAB	20146.4/7.7	284	11	43	¹² RPFFPFHSPSR ²² ⁵⁷ APSWFDTGLSEMR ⁶⁹ ¹²⁴ IPADVDP L TITSSLSS DGVLT VNGPR ¹⁴⁹	45 25 81
Transgelin	Q0199 5	TAGLN	22596.4/8.87	90	7	24	²¹ KYDEELEER ²⁹	30
Phosphatidylethanolamine-binding protein1	P30086	PEBP1	21043.7/7.01	94	7	42	⁶³ LYTLVL TDPDAPSR ⁷⁶	23
Carbonic anhydrase 1	P00915	CA1	28852.4/6.59	117	10	39	-	-
Carbonic anhydrase 3	P07451	CA3	29538.7/6.86	118	10	29	¹⁷⁸ FDPSC LFPACR ¹⁸⁸ ¹¹⁷ GGDDLDPNYVLSSR ¹ ³⁰	38 24
Creatine kinase M-type	P06732	CKM	43073.9/6.77	150	16	35	³²¹ GTGGVD TAAVGSVF DVSNADR ³⁴¹	37
Fructose-bisphosphate aldolase A	P04075	ALDOA	39395.3/8.3	114	13	39	-	-