

S2 Table. List of proteins identified by LC-MS/MS, in stage 2 of breast cancer tissue and their details as shown in PEAKS Software.

Protein name	Protein ID	Accession	-10lgP	Cov. (%)	#Peptides	#Unique	PTM	Avg. Mass	Description
Prolyl 3-hydroxylase 1	22919	sp Q32P28 P3H1_HUMAN	147.87	25	10	10	Carbamido methylation	83394	Prolyl 3-hydroxylase 1 OS=Homo sapiens GN=P3H1 PE=1 SV=2
Peptidyl-prolyl cis-trans isomerase FKBP10	22947	sp Q96AY3 FKBP10_HUMAN	149.64	30	2	1		64245	Peptidyl-prolyl cis-trans isomerase FKBP10 OS=Homo sapiens GN=FKBP10 PE=1 SV=1
CAP-Gly domain-containing linker protein 1	23712	sp P30622 CLIP1_HUMAN	79.66	19	9	3	Carbamido methylation ; Oxidation (M)	162246	CAP-Gly domain-containing linker protein 1 OS=Homo sapiens GN=CLIP1 PE=1 SV=2
Peptidyl-prolyl cis-trans isomerase FKBP9	24130	sp O95302 FKBP9_HUMAN	92.02	18	4	4	Carbamido methylation	63084	Peptidyl-prolyl cis-trans isomerase FKBP9 OS=Homo sapiens GN=FKBP9 PE=1 SV=2
Zinc finger CCCH domain-containing protein 18	24279	sp Q86VM9 ZCH18_HUMAN	69.13	15	3	3	Carbamido methylation	106379	Zinc finger CCCH domain-containing protein 18 OS=Homo sapiens GN=ZC3H18 PE=1 SV=2
Immunoglobulin superfamily containing leucine-rich repeat protein	24971	sp O14498 ISLR_HUMAN	67.06	15	3	3		45997	Immunoglobulin superfamily containing leucine-rich repeat protein OS=Homo sapiens GN=ISLR PE=2 SV=1
MOB kinase activator 1A	24983	sp Q9H8S9 MOB1A_HUMAN	78.5	16	9	3	Carbamido methylation ; Oxidation (M)	25080	MOB kinase activator 1A OS=Homo sapiens GN=MOB1A PE=1 SV=4
Protein enabled homolog	22965	sp Q8N8S7 ENAH_HUMAN	94.18	20	5	4		66510	Protein enabled homolog OS=Homo sapiens GN=ENAH PE=1 SV=2
Collagen alpha-1(V) chain	23027	tr A0A087WXW9 A0A087WXW9_HUMAN	133.04	18	5	4	Carbamido methylation	183652	Collagen alpha-1(V) chain OS=Homo sapiens GN=COL5A1 PE=1 SV=1
Protein canopy homolog 4	23031	tr A0A087WXW9 A0A087WXW9_HUMAN	153.34	22	4	4	Carbamido methylation	183652	Collagen alpha-1(V) chain OS=Homo sapiens GN=COL5A1 PE=1 SV=1
Perilipin-4 (PLIN4)	18	sp Q96Q06 PLIN4_HUMAN	192.58	32	4	2	Carbamido methylation	134431	Perilipin-4 OS=Homo sapiens GN=PLIN4 PE=1 SV=2
Transmembrane emp24 domain-containing protein 10	3026	sp P60228 EIF3E_HUMAN	114.05	24	4	4	Carbamido methylation ; Oxidation (M)	52221	Eukaryotic translation initiation factor 3 subunit E OS=Homo sapiens GN=EIF3E PE=1 SV=1