

## Untreated Hits

SL. No.	Gene	Protein	Description	ENSEMBL	Peptides >3.0	Peptide All	Score
1	DEK	P35659	DEK Protein DEK	ENSP00000244776	33	141	3.4
2	CSNK2A1		CSNK2A1 CSNK2A1 protein	ENSP00000371400.1	23	67	3.604
3	HSPA5	P11021	HSPA5 HSPA5 protein	ENSP00000324173	12	12	3.664
4	CSNK2A2	P19784	CSNK2A2 Casein kinase II subunit alpha	ENSP00000262506	12	21	2.838
5	NPM1	P06748-2	NPM1 Isoform 2 of Nucleophosmin	ENSP00000341168	11	14	3.447
6	HSPA8	P11142-1	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	ENSP00000227378	9	11	3.523
7	RPLP0	P05388	RPLP0 60S acidic ribosomal protein P0	ENSP00000339027	8	9	3.474
8	LY6G5B	P67870	LY6G5B;CSNK2B Casein kinase II subunit beta	ENSP00000365025	6	9	3.529
9	EBNA1BP2	Q99848	EBNA1BP2 Probable rRNA-processing protein EBP2	ENSP00000236051	6	8	3.369
10	C1QBP	Q07021	C1QBP Complement component 1 Q subcomponent-binding protein, mitochondria	ENSP00000225698	5	9	4.125
11	IMPDH2	P12268	IMPDH2 Inosine-5'-monophosphate dehydrogenase	ENSP00000321584	5	5	3.435
12	HSPA9	P38646	HSPA9 Stress-70 protein, mitochondria	ENSP00000297185	5	5	3.235
13	HIST1H1C	P16403	HIST1H1C Histone H1.C	ENSP00000339566	5	6	3.184
14	RPL7	P18124	RPL7;RPL7P32 60S ribosomal protein L7	ENSP00000339795	5	5	3.158
15	RPL4	P36578	RPL4 60S ribosomal protein L4	ENSP00000311430	5	6	3.048
16	DDX21	Q9NR30-1	DDX21 Isoform 1 of Nucleolar RNA helicase	ENSP00000346120	4	5	3.101
17	RPL3	P39023	RPL3 60S ribosomal protein L3	ENSP00000346001	4	4	3.024
18	RPL8	P62917	RPL8 60S ribosomal protein L8	ENSP00000262584	4	4	2.929
19	TUBA1C		TUBA1C TUBA1C protein	ENSP00000322707	3	3	4.111
20	PPM1G	O15355	PPM1G Protein phosphatase 1G	ENSP00000264714	3	3	3.92
21	RPL19	P84098	RPL19 60S ribosomal protein L19	ENSP00000225430	3	3	3.798
22	RPL7A	P62424	RPL7A 60S ribosomal protein L7A	ENSP00000361076	3	3	3.294
23	RPL6	Q02878	RPL6 60S ribosomal protein L6	ENSP00000202773	3	3	3.251
24	RPL21P19	P46778	RPL21P19;RPL21;RPL21P16 60S ribosomal protein L21	ENSP00000346027	3	3	3.003
25	RPL5	P46777	RPL5 60S ribosomal protein L5	ENSP00000359345	3	4	2.96
26	RPL15	P61313	RPL15 60S ribosomal protein L15	ENSP00000309334	3	3	2.856
27	RPL13	P26373	RPL13 60S ribosomal protein L13	ENSP00000307889	3	3	2.839
28	RPL13A	P40429	RPL13A 60S ribosomal protein L13A	ENSP00000270634	3	3	2.752
29	SFPQ	P23246-1	SFPQ Isoform Long of Splicing factor, proline- and glutamine-ric	ENSP00000349748	3	4	2.517
30	RPS6	P62753	RPS6 40S ribosomal protein S6	ENSP00000369757	3	3	2.415
31	YBX1	P67809	YBX1 Nuclease-sensitive element-binding protein	ENSP00000361626	2	2	4.548
32	RPL11	P62913-1	RPL11 Isoform 1 of 60S ribosomal protein L11	ENSP00000363676	2	2	3.576
33	RPS8	P62241	RPS8 40S ribosomal protein S8	ENSP00000379888	2	2	3.471
34	CSDA	P16989-1	CSDA Isoform 1 of DNA-binding protein	ENSP00000228251	2	2	3.449
35	RPL10AP3		RPL10AP3 Ribosomal protein L10	ENSP00000382780	2	2	2.833
36	RPL7AP27		RPL7AP27 similar to ribosomal protein L77		2	2	2.789
37	HSPA7	P48741	Tax HSPA7 Putative heat shock 70 kDa protein		2	2	2.754
38	RPL10A	P62906	RPL10A 60S ribosomal protein L10A	ENSP00000355258	2	2	2.687
39	RPL13P12		RPL13P12 similar to RPL13 protein		2	2	2.654
40	GRWD1	Q9BQ67	GRWD1 Glutamate-rich WD repeat-containing protein	ENSP00000253237	1	1	4.87
41	SET	Q01105-1	SET Isoform 1 of Protein SET	ENSP00000361777	1	1	4.742
42	RPL18	Q07020	RPL18 60S ribosomal protein L18	ENSP00000084795	1	1	4.393
43	PURA	Q00577	PURA Transcriptional activator protein Pur-alpha	ENSP00000332706	1	1	4.336
44	RPL29P30		RPL29P30 similar to hCG1641491 isoform		1	1	4.29
45	HNRNPF	P52597	HNRNPF Heterogeneous nuclear ribonucleoprotein	ENSP00000338477	1	1	4.143
46	HSPA1A	P08107	HSPA1A;HSPA1B Heat shock 70 kDa protein	ENSP00000364801	1	1	4.11
47	NAP1L1	P55209	NAP1L1 Nucleosome assembly protein 1-like	ENSP00000261182	1	1	3.781
48	RPS9	P46781	RPS9 40S ribosomal protein S9	ENSP00000302896	1	1	3.74
49	IP1:IP100384397.1		Myosin-reactive immunoglobulin light chain variable region (Fragment)		1	1	3.63
50	TUBA4A	P68366	TUBA4A Tubulin alpha-4A chain	ENSP00000248437	1	1	3.532
51	WDR12	Q9GZL7	WDR12 Ribosome biogenesis protein WDR12	ENSP00000261015	1	1	3.419
52	HNRNPK	P61978-1	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein	ENSP00000317788	1	1	3.339
53	IP1:IP100069693.4		Putative uncharacterized protein RPL14P	ENSP00000350479	1	1	3.2
54	RBM28	Q9NW13	RBM28 RNA-binding protein 28	ENSP00000223073	1	1	3.162
55	EEF1A2	Q05639	EEF1A2 Elongation factor 1-alpha	ENSP00000217182	1	1	3.084
56	HIST1H1B	P16401	HIST1H1B Histone H1.B	ENSP00000330074	1	1	2.878
57	TUBB	P07437	TUBB Tubulin beta chain	ENSP00000259925	1	1	2.809
58	RRP15	Q9Y3B9	RRP15 RRP15-like protein	ENSP00000184772	1	1	2.573
59	HIST1H4J	P62805	HIST1H4J;HIST1H4E;HIST1H4H;HIST1H4K;HIST2H4A;HIST1H4D;HIST1H4F;HIST2H4B;HIST1H4C;HIST1H4B;HIST1H4I;HIST1H4L;HIST1H4A;HIST4H4 Histone H	ENSP00000289352	6	7	2.92
60	RPLP2	P05387	RPLP2 60S acidic ribosomal protein P2	ENSP00000322419	5	5	4.23
61	DEK	P35659	DEK Protein DEK	ENSP00000244776	4	4	3.179
62	RPL26L1	Q9UNX3	RPL26L1 60S ribosomal protein L26-like	ENSP00000265100	4	4	2.884
63	RPL27	P61353	RPL27 60S ribosomal protein L27	ENSP00000253788	4	4	2.766
64	HIST2H2BE	Q16778	HIST2H2BE Histone H2B type 2-BE	ENSP00000336417	4	5	2.653

65	RPL12	P30050-1	RPL12 Isoform 1 of 60S ribosomal protein L12	ENSP00000354739	4	5	2.426
66	RPS19	P39019	RPS19 40S ribosomal protein S19	ENSP00000221975	3	3	2.777
67	SSBP1	Q04837	SSBP1 Single-stranded DNA-binding protein, mitochondria	ENSP00000265304	2	3	4.207
68	RPL36	Q9Y3U8	RPL36 60S ribosomal protein L36	ENSP00000252543	2	2	2.964
69	RPL28	P46779	RPL28 60S ribosomal protein L28	ENSP00000342787	2	2	2.689
70	HIST2H3D	Q71DI3	HIST2H3D;HIST2H3C;HIST2H3A Histone H3.D	ENSP00000333277	2	2	2.569
71	RPL34	P49207	RPL34 60S ribosomal protein L34	ENSP00000378160	2	2	2.524
72	ANXA2P2	A6NMY6	ANXA2P2 Putative annexin A2-like protein		2	2	2.381
73	EIF5A	P63241-2	EIF5A Isoform 2 of Eukaryotic translation initiation factor 5A	ENSP00000336702	2	2	2.314
74	HIST1H2BL	Q99880	HIST1H2BL Histone H2B type 1-L	ENSP00000366618	2	2	2.313
75	RPL31	P62899	RPL31 60S ribosomal protein L3	ENSP00000264258	2	2	2.166
76	SRP14	P37108	SRP14 Signal recognition particle 14 kDa protein	ENSP00000267884	1	1	4.906
77	TXN	P10599	TXN Thioredoxin	ENSP00000363641	1	1	3.776
78	HIST1H2AH	Q96KK5	HIST1H2AH;HIST1H2AL;HIST1H2AG;HIST1H2AJ;HIST1H2AK;HIST1H2AI;HIST1H2AM Histone H2A	ENSP00000366679	1	1	3.766
79	RPS13	P62277	RPS13 40S ribosomal protein S13	ENSP00000228140	1	1	3.496
80	RPL30	P62888	RPL30 60S ribosomal protein L30	ENSP00000287038	1	1	3.416
81	HIST1H2AB	P04908	HIST1H2AB;HIST1H2AE;HIST1H2AL;HIST1H2AG;HIST1H2AJ;HIST1H2AK;HIST1H2AI;HIST1H2AM Histone H2A type 1-B	ENSP00000259791	1	1	3.27
82	H2AFV	Q71UI9	H2AFV Histone H2A.F	ENSP00000308405	1	1	3.234
83	RPL27A	P46776	RPL27A 60S ribosomal protein L27A	ENSP00000346015	1	1	2.941
84	RPS24	P62847-1	RPS24 Isoform 1 of 40S ribosomal protein S24	ENSP00000361435	1	1	2.882
85	RPS18	P62269	RPS18;LOC100130553 40S ribosomal protein S18	ENSP00000211372	1	1	2.739
86	RPL35A	P18077	RPL35A 60S ribosomal protein L35A	ENSP00000330165	1	1	2.571
87	TUBA1C		TUBA1C TUBA1C protein	ENSP00000322707	1	1	2.512

## HU-treated hits

SL. No.	Gene	Protein	Description	ENSEMBL	Peptides > 3.0	Peptide All	Score
1	DEK	P35659	DEK Protein DEK	ENSP00000244776	33	124	3.324
2	CSNK2A1		CSNK2A1 CSNK2A1 protein	ENSP00000371400	24	69	3.776
3	CSNK2A2	P19784	CSNK2A2 Casein kinase II subunit alpha	ENSP00000262506	16	24	3.154
4	HSPA5	P11021	HSPA5 HSPA5 protein	ENSP00000324173	15	19	3.648
5	HSPA8	P11142-1	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	ENSP00000227378	15	17	3.378
6	NPM1	P06748-2	NPM1 Isoform 2 of Nucleophosmin	ENSP00000341168	11	16	4.078
7	DDX21	Q9NR30-1	DDX21 Isoform 1 of Nucleolar RNA helicase	ENSP00000346120	10	10	3.152
8	RPLP0	P05388	RPLP0 60S acidic ribosomal protein P0	ENSP00000339027	9	10	3.753
9	HNRNPM	P52272-1	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein	ENSP00000325376	9	9	3.291
10	C1QBP	Q07021	C1QBP Complement component 1 Q subcomponent-binding protein, mitochondria	ENSP00000225698	8	10	4.061
11	XRCC5	P13010	XRCC5 ATP-dependent DNA helicase 2 subunit	ENSP00000329528	8	8	2.867
12	KIF11	P52732	KIF11 Kinesin-like protein KIF1	ENSP00000260731	7	8	3.807
13	LY6G5B	P67870	LY6G5B;CSNK2B Casein kinase II subunit beta	ENSP00000365025	7	14	3.311
14	EBNA1BP2	Q99848	EBNA1BP2 Probable rRNA-processing protein EBP2	ENSP00000336051	7	8	3.18
15	XRCC6	P12956	XRCC6 ATP-dependent DNA helicase 2 subunit	ENSP00000352257	6	6	3.443
16	RBM28	Q9NW13	RBM28 RNA-binding protein 2	ENSP00000223073	6	6	3.248
17	RPL4	P36578	RPL4 60S ribosomal protein L4	ENSP00000311430	6	7	3.096
18	NOP2		NOP2 Putative uncharacterized protein NOP2	ENSP00000313272	6	6	3.046
19	RPL7	P18124	RPL7;RPL7P32 60S ribosomal protein L7	ENSP00000339795	6	8	2.982
20	HSPA9	P38646	HSPA9 Stress-70 protein, mitochondria	ENSP00000297185	6	7	2.846
21	RPL10A	P62906	RPL10A 60S ribosomal protein L10	ENSP00000355258	6	8	2.819
22	HIST1H1C	P16403	HIST1H1C Histone H1.C	ENSP00000339566	6	8	2.747
23	RPL3	P39023	RPL3 60S ribosomal protein L3	ENSP00000346001	5	5	3.556
24	RPL19	P84098	RPL19 60S ribosomal protein L10	ENSP00000225430	5	5	3.018
25	RPL13P12		RPL13P12 similar to RPL13 protein		5	5	2.614
26	RPL13	P26373	RPL13 60S ribosomal protein L13	ENSP00000307889	4	4	2.766
27	TUBA1C		TUBA1C TUBA1C protei	ENSP00000322707	3	3	4.034
28	HSPA1A	P08107	HSPA1A;HSPA1B Heat shock 70 kDa protein	ENSP00000364801	3	3	3.652
29	RPL18	Q07020	RPL18 60S ribosomal protein L18	ENSP00000084795	3	3	3.521
30	RPL11	P62913-1	RPL11 Isoform 1 of 60S ribosomal protein L11	ENSP00000363676	3	3	3.333
31	MYH9	P35579-1	MYH9 Isoform 1 of Myosin-9	ENSP00000216181	3	3	3.303
32	HNRNPU	Q00839-2	HNRNPU Isoform Short of Heterogeneous nuclear ribonucleoprotein	ENSP00000283179	3	4	3.124
33	HSPA1L	P34931	HSPA1L Heat shock 70 kDa protein 1L	ENSP00000364805	3	3	3.115
34	RPL7A	P62424	RPL7A 60S ribosomal protein L7A	ENSP00000361076	3	3	3.016
35	STK38	Q15208	STK38 Serine/threonine-protein kinase 38	ENSP00000229812	3	3	2.695
36	RPL10AP3		RPL10AP3 Ribosomal protein	ENSP00000382780	3	3	2.659
37	RPL23A	P62750	RPL23A 60S ribosomal protein L23A	ENSP00000347969	3	3	2.463
38	RPL6	Q02878	RPL6 60S ribosomal protein L6	ENSP00000202773	3	3	2.065
39	RPS8	P62241	RPS8 40S ribosomal protein S8	ENSP00000379888	2	3	4.406
40	YBX1	P67809	YBX1 Nuclease-sensitive element-binding protein	ENSP00000361626	2	2	4.354
41	RPL21P19	P46778	RPL21P19;RPL21;RPL21P16 60S ribosomal protein L21	ENSP00000346027	2	3	3.614
42	RPL8	P62917	RPL8 60S ribosomal protein L8	ENSP00000262584	2	2	3.54
43	RPA1	P27694	RPA1 Replication protein A 70 kDa DNA-binding subunit	ENSP00000254719	2	2	3.488
44	RPL15	P61313	RPL15 60S ribosomal protein L15	ENSP00000309334	2	2	3.345
45	RPL13A	P40429	RPL13A 60S ribosomal protein L13A	ENSP00000270634	2	2	3.325
46	PPM1G	O15355	PPM1G Protein phosphatase 1G	ENSP00000264714	2	2	3.17
47	RPL5	P46777	RPL5 60S ribosomal protein L5	ENSP00000359345	2	2	3.163
48	IMPDH2	P12268	IMPDH2 Inosine-5'-monophosphate dehydrogenase 2	ENSP00000321584	2	2	3.141
49	HSPA7	P48741	HSPA7 Putative heat shock 70 kDa protein		2	3	3.131
50	ACTB	P60709	ACTB Actin, cytoplasmic	ENSP00000349960	2	2	3.094
51	TUBB2C	P68371	TUBB2C Tubulin beta-2C chain	ENSP00000341289	2	2	3.078
52	ACTA2	P62736	ACTA2 Actin, aortic smooth muscle	ENSP00000224784	2	2	3.064
53	SF3B3	Q15393-1	SF3B3 Isoform 1 of Splicing factor 3B subunit	ENSP00000305790	2	2	2.945
54	RPS9	P46781	RPS9 40S ribosomal protein S9	ENSP00000302896	2	2	2.699
55	IPI:IPI00069693.4		Putative uncharacterized protein RPL14P	ENSP00000350479	2	2	2.694
56	RPL7AP27		RPL7AP27 similar to ribosomal protein L7		2	2	2.671
57	FLNA	P21333-2	FLNA Isoform 2 of Filamin-A	ENSP00000353467	2	2	2.658
58	HIST1H1B	P16401	HIST1H1B Histone H1.B	ENSP00000330074	2	2	2.476

59	HNRNPH1	P31943	HNRNPH1 Heterogeneous nuclear ribonucleoprotein	ENSP00000349168	1	1	4.885
60	SET	Q01105-1	SET Isoform 1 of Protein SET	ENSP00000361777	1	1	4.739
61	CSDA	P16989-1	CSDA Isoform 1 of DNA-binding protein	ENSP00000228251	1	1	4.7
62	CALML5	Q9NZT1	CALML5 Calmodulin-like protein	ENSP00000369689	1	1	4.632
63	ACTBL2	Q562R1	ACTBL2 Beta-actin-like protein	ENSP00000306469	1	1	4.335
64	GRWD1	Q9BQ67	GRWD1 Glutamate-rich WD repeat-containing protein	ENSP00000253237	1	1	4.242
65	RPL29P30		RPL29P30 similar to hCG1641491 isoform		1	1	4.203
66	DDX24	Q9GZR7	DDX24 ATP-dependent RNA helicase DDX24	ENSP00000328690	1	1	3.99
67	HNRNPF	P52597	HNRNPF Heterogeneous nuclear ribonucleoprotein	ENSP00000338477	1	1	3.655
68	IPI:IP100384397.1		Myosin-reactive immunoglobulin light chain variable region (Fragment)		1	1	3.508
69	SQSTM1	Q13501-1	SQSTM1 Isoform 1 of Sequestosome-1	ENSP00000374455	1	1	3.42
70	TUBA4A	P68366	TUBA4A Tubulin alpha-4A chain	ENSP00000248437	1	1	3.386
71	BMS1	Q14692	BMS1 Ribosome biogenesis protein BMS1 homolog	ENSP00000363642	1	1	3.101
72	BXDC2	Q8TDN6	BXDC2 Brix domain-containing protein	ENSP00000338862	1	1	2.996
73	DHX15	O43143	DHX15 Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	ENSP00000336741	1	1	2.798
74	DNAJC9		DNAJC9 RcDNAJ9 (Fragment)		1	1	2.784
75	PWP1	Q13610	PWP1 Periodic tryptophan protein 1 homolog	ENSP00000258531	1	1	2.743
76	NOL6	Q9H6R4-1	NOL6 Isoform 1 of Nucleolar protein	ENSP00000297990	1	1	2.68
77	DHX30	Q7L2E3-1	DHX30 Isoform 1 of Putative ATP-dependent RNA helicase DHX3	ENSP00000343442	1	1	2.552
78	HIST1H4J	P62805	HIST1H4J;HIST1H4E;HIST1H4H;HIST1H4K;HIST2H4A;HIST1H4D;HIST1H4F;HIST2H4B;HIST1H4C;HIST1H4B;HIST1H4I;HIST1H4L;HIST1H4A;HIST4H4 Histone H	ENSP00000289352	1	1	2.551
79	HIST2H2BE	Q16778	HIST2H2BE Histone H2B type 2-H	ENSP00000336417	6	7	2.742
80	HIST1H4J	P62805	HIST1H4J;HIST1H4E;HIST1H4H;HIST1H4K;HIST2H4A;HIST1H4D;HIST1H4F;HIST2H4B;HIST1H4C;HIST1H4B;HIST1H4I;HIST1H4L;HIST1H4A;HIST4H4 Histone H	ENSP00000289352	5	7	2.803
81	RPL12	P30050-1	RPL12 Isoform 1 of 60S ribosomal protein L12	ENSP00000354739	5	5	2.784
82	RPL26L1	Q9UNX3	RPL26L1 60S ribosomal protein L26-like	ENSP00000265100	4	5	2.426
83	DEK	P35659	DEK Protein DEK	ENSP00000244776	3	3	3.748
84	SSBP1	Q04837	SSBP1 Single-stranded DNA-binding protein, mitochondria	ENSP00000265304	3	4	3.045
85	RPL28	P46779	RPL28 60S ribosomal protein L28	ENSP00000342787	3	4	2.429
86	RPLP2	P05387	RPLP2 60S acidic ribosomal protein P2	ENSP00000322419	2	3	3.584
87	RPL30	P62888	RPL30 60S ribosomal protein L30	ENSP00000287038	2	3	2.515
88	RPL34	P49207	RPL34 60S ribosomal protein L34	ENSP00000378160	2	2	2.476
89	HBB	P68871	HBB Hemoglobin subunit beta	ENSP00000333994	1	1	3.838
90	CALML5	Q9NZT1	CALML5 Calmodulin-like protein	ENSP00000369689	1	1	3.775
91	SRP14	P37108	SRP14 Signal recognition particle 14 kDa protein	ENSP00000267884	1	1	3.691
92	HIST1H2AH	Q96KK5	HIST1H2AH;HIST1H2AL;HIST1H2AG;HIST1H2AJ;HIST1H2AK;HIST1H2AI;HIST1H2AM Histone H2A type 1-	ENSP00000366679	1	1	3.522
93	H2AFV	Q71UI9	H2AFV Histone H2A.F	ENSP00000308405	1	1	3.274
94	RBBP6	Q7Z6E9-1	RBBP6 Isoform 1 of Retinoblastoma-binding protein	ENSP00000317872	1	1	3.181
95	RPL27A	P46776	RPL27A 60S ribosomal protein L27A	ENSP00000346015	1	1	3.118

96	RPS13	P62277	RPS13 40S ribosomal protein S13	ENSP00000228140	1	1	2.966
97	ACTBL2	Q562R1	ACTBL2 Beta-actin-like protein	ENSP00000306469	1	1	2.918
98	LGALS7	P47929	LGALS7;LGALS7B Galectin-7	ENSP00000313571	1	1	2.891
99	RPL35	P42766	RPL35 60S ribosomal protein L35	ENSP00000259469	1	1	2.834
100	IGHA1		IGHA1 SNC66 protein		1	1	2.772
101	HIST2H3D	Q71DI3	HIST2H3D;HIST2H3C;HIST2H3A Histone H3.D	ENSP00000333277	1	1	2.721
102	ANXA2P2	A6NMY6	ANXA2P2 Putative annexin A2-like protein		1	1	2.639
103	HIST1H2AB	P04908	HIST1H2AB;HIST1H2AE;HIST1H2AL;HIST1H2AG;HIST1H2AJ;HIST1H2AK;HIST1H2AI;HIST1H2AM Histone H2A type 1-B/	ENSP00000259791	1	1	2.605
104	RPL27	P61353	RPL27 60S ribosomal protein L27	ENSP00000253788	1	1	2.451
105	RPL35A	P18077	RPL35A 60S ribosomal protein L35A	ENSP00000330165	1	1	2.27