

Supplemental Information Legends

Table S1. Full list of proteins detected by mass spectrometry and X! Tandem with a log(e) value ≤ -3 and at least two peptides generated from basal cell protein enrichment of de-roofed PG^{+/-} keratinocytes.

Table S2. Full list of proteins detected by mass spectrometry and X! Tandem with a log(e) value ≤ -3 and at least two peptides generated from basal cell protein enrichment of de-roofed PG^{+/-} keratinocytes.

Fig. S1. Protein coverage of Integrin β_4 . Amino acids detected by mass spectrometry are underlined in red. Peptides designated as theoretically unfavorable for detection by mass spectrometry due to extreme short or long lengths are green. Peptides which are theoretically detectable by mass spectrometry with tryptic digestion are brown.

Table S3. Full list of proteins detected by mass spectrometry and X! Tandem with a log(e) value ≤ -3 and at least two peptides generated from basal cell protein enrichment of de-roofed CAL33 carcinoma cells.

Table S4. Full list of proteins detected by mass spectrometry and X! Tandem with a log(e) value ≤ -3 and at least two peptides generated from basal cell protein enrichment of de-roofed UM-SCC-1 carcinoma cells.

Fig. S2. Forty proteins are differentially expressed in UM-SCC-1 and CAL33 de-roofed cells. (A) Proteins detected from UM-SCC-1 and CAL33 cells which are differentially detected between the cell types. (B) Proteins detected from UM-SCC-1 and CAL33 cells which are detected with similar spectral counts. (C) Proteins which are primarily detected in UM-SCC-1 cells as opposed to CAL33 cells. (D) Proteins which are primarily detected in CAL33 cells as opposed to UM-SCC-1 cells.

Table S1.

PG +/-

Entry	log(e)	log(l)	% (measured)	% (corrected)	unique peptides	total peptides	MW (kDa)	Accession	Protein
1	-1756	6.99	36	46	153	192	603.9	IPI00553798	Ahnak
2	-1470.1	6.85	36	45	133	168	517	IPI00400209	Plec1
3	-946.2	6.64	25	41	83	104	506.9	IPI00623114	Fat1
4	-488.4	6.53	16	22	46	62	330.6	ENSMUSP00000089703	Lama3
5	-376.9	6.5	29	41	37	51	194.6	IPI00313479	Itgb4
6	-381.4	6.48	31	39	34	51	128.8	IPI00117093	Lamb3
7	-298.6	6.43	26	36	28	38	130.3	IPI00117115	Lamc2
8	-311.4	6.28	17	27	28	38	272.4	IPI00113539	Fn1
9	-334.3	6.03	39	53	28	38	100	IPI00112963	Ctnna1
10	-188.7	6.54	41	65	20	29	51.2	IPI00128040	Htra1

11	-222.2	6.46	51	60	20	31	52.8	IPI00227140	Krt14
12	-245.5	6.18	26	45	20	27	112.9	IPI00311682	Atp1a1
13	-205.7	6.33	38	64	19	27	61.7	IPI00139301	Krt5
14	-195	6.03	26	42	19	26	107.3	IPI00751207	Ctnnd1
15	-189.9	5.96	20	31	18	21	119.5	IPI00227969	Itga6
16	-156.4	5.82	11	16	15	18	221.7	IPI00420656	Tnc
17	-149.1	5.68	21	31	14	16	93.1	IPI00338018	Postn
18	-159.7	6.18	28	42	13	18	59.3	IPI00131368	Krt6a
19	-134.5	5.66	23	33	13	16	81.7	IPI00229475	Jup
20	-130.2	5.99	40	50	12	17	38.7	IPI00468203	Anxa2
21	-122.5	5.76	29	37	12	16	57.1	IPI00126864	Angptl2
22	-121.1	5.65	33	57	11	14	58.3	IPI00114641	Slc3a2
23	-138.8	5.2	6.7	9	11	15	301.6	IPI00131432	Dst
24	-107.2	5.64	8.6	16	10	10	147.9	IPI00284644	Col17a1
25	-106.3	5.53	31	50	9	11	43.9	IPI00117689	Ptrf
26	-106.2	5.48	17	32	8	11	98.2	IPI00318626	Cdh1
27	-57.2	5.2	8.6	11	8	8	129.6	IPI00118413	Thbs1
28	-60.6	5.31	9.2	14	7	7	117.5	IPI00222589	Ptk7
29	-59.1	5.24	12	19	7	7	76.7	IPI00317794	Ncl
30	-51.1	5.37	8.7	13	6	7	134.1	IPI00230616	Col alpha-1(XVIII)
31	-52	5.36	9.1	18	6	6	88.2	IPI00132474	Itgb1
32	-56.3	5.35	13	22	6	7	105.1	IPI00263041	Mmrn2
33	-64.6	5.29	26	41	6	6	40.5	IPI00338854	Gnai3
34	-67.7	5.19	7.5	13	6	6	130.6	IPI00135324	Slc12a2
35	-75.8	5.01	12	18	6	7	73.1	IPI00230035	Ddx3x
36	-57.1	4.87	11	19	6	8	113.4	IPI00648237	Itga3
37	-56.2	4.83	18	26	6	6	49.6	IPI00117352	Tubb5
38	-37.3	5.47	26	63	5	6	13.7	IPI00137735	Rps25
39	-40.7	5.36	23	32	5	6	23.5	IPI00124282	Rala
40	-60.4	5.18	11	19	5	6	69.2	IPI00420363	Ddx5
41	-46.4	5.13	6.9	9	5	5	85.2	IPI00311104	Sema3c
42	-47.6	4.78	16	31	5	8	51.4	IPI00649422	3300001P08Rik
43	-51.6	4.58	2.4	3	5	7	392.5	IPI00353420	Utrn
44	-27.6	5.66	12	17	4	5	37.3	IPI00162780	Gnb2
45	-34.4	5.49	23	44	4	4	19.3	IPI00129323	Sfrs3
46	-31.2	5.32	28	32	4	4	20.5	IPI00117829	Cav1
47	-49.3	5.31	20	34	4	5	35	IPI00115558	Tacstd1
48	-41.5	5.1	11	20	4	5	59.4	IPI00127763	Rbm39
49	-40	5.07	12	29	4	4	36.2	IPI00277066	Hnrpab
50	-33.8	4.91	4.8	8	4	4	137.5	IPI00756424	Eif5b
51	-38.7	4.89	12	18	4	7	42.1	IPI00228618	Gnaq
52	-38.7	4.87	9.2	14	4	5	85.4	IPI00125899	Ctnnb1
53	-32.9	4.82	30	46	4	4	21.2	IPI00315334	Hras1

54	-34.9	4.65	8.3	19	4	5	63.7	IPI00320636	Prpf38b
55	-53.9	4.5	4.1	6	4	4	226.2	IPI00123181	Myh9
56	-34.6	4.5	7	14	4	4	98	IPI00112949	Trpv4
57	-69.4	6.02	5.8	8	3	5	48.1	IPI00230365	Krt17
58	-67.3	5.95	14	26	3	3	22	IPI00223714	Hist1h1e
59	-18.2	5.52	19	27	3	3	15.4	IPI00277753	Hist1h3a
60	-16	5.49	34	62	3	6	14.9	IPI00133243	Ifitm3
61	-31.6	5.46	9.9	17	3	4	22.6	IPI00230133	Hist1h1b
62	-35.3	5.45	16	24	3	3	24.1	IPI00462291	Hmgb2
63	-22	5.4	22	57	3	6	14.1	IPI00229544	Hist1h2ab
64	-17	5.24	12	21	3	3	24.2	IPI00110370	Timp3
65	-18.3	5.1	6.5	14	3	3	39	IPI00310880	Sfrs6
66	-22.9	5.05	12	20	3	3	27.7	IPI00420807	Sfrs1
67	-30	4.99	16	22	3	5	23.7	IPI00331128	Rab8a
68	-21.5	4.84	32	51	3	3	21.9	IPI00850934	
69	-23.1	4.83	13	16	3	3	42.6	IPI00410836	Fen1
70	-29.6	4.8	7.8	11	3	3	62.6	IPI00406117	Syncrip
71	-24.5	4.8	24	28	3	5	20.5	IPI00138716	Rap2b
72	-9	4.77	5.2	9	3	4	90.6	IPI00109340	Cdh3
73	-27.7	4.73	6.3	11	3	4	75.4	IPI00129430	Sfpq
74	-29	4.71	3.7	5	3	3	165	IPI00461384	Pxdn
75	-28.2	4.71	4.6	7	3	3	93.5	IPI00120691	Ddx21
76	-12.8	4.17	3.5	5	3	4	172.7	IPI00122223	Top2a
77	-16.4	4.02	3.6	5	3	3	151.9	IPI00331361	Mybbp1a
78	-21.8	3.62	2.6	3	3	3	203.6	IPI00321646	Al314180
79	-9.4	5.3	10	18	2	2	23.4	IPI00127408	Rac1
80	-41.8	5.29	8.5	13	2	2	40.5	IPI00228617	Gnai2
81	-5.3	5.29	26	37	2	4	11.2	IPI00222555	S100a10
82	-31.5	5.21	2.5	4	2	2	121.4	IPI00416906	Gnas
83	-24.2	5.19	10	19	2	2	27.4	IPI00153743	Sfrs7
84	-12.7	5.14	30	64	2	2	8.2	IPI00138302	Rpl38
85	-13	5.11	17	32	2	2	14.5	IPI00123007	Rpl31
86	-61.8	5.06	4	6	2	2	105.2	IPI00119870	Ctnna2
87	-23.4	5	5.5	19	2	2	55.8	IPI00129395	Slc7a5
88	-19.1	4.99	7.4	21	2	3	67	IPI00121634	Slc7a1
89	-17.7	4.93	15	23	2	2	14.8	IPI00113394	
90	-9.5	4.92	7.7	16	2	2	25.5	IPI00121135	Sfrs2
91	-14.6	4.88	2.8	6	2	2	85.8	IPI00266154	Cd44
92	-10.5	4.81	7.8	19	2	2	51.6	IPI00320420	Clu
93	-7.4	4.8	12	18	2	2	27.8	IPI00318548	U2af1
94	-10.3	4.77	5.4	9	2	2	43.9	IPI00410804	Luc7l
95	-38.3	4.76	5.6	8	2	2	41.5	IPI00132361	Gna14
96	-16	4.75	22	32	2	2	23	IPI00128522	Hspb1

97	-14.4	4.74	6.6	8	2	2	41.3	IPI00857127	Eif4a2
98	-15.7	4.67	2.6	4	2	2	80.8	IPI00124111	Pkp1
99	-17.6	4.56	3.9	7	2	3	87.9	IPI00458583	Hnrnpu
100	-17.3	4.54	19	38	2	2	15.4	IPI00402981	Rps24
101	-17	4.52	8.5	15	2	2	31.4	IPI00311236	Rpl7
102	-15.5	4.47	0.7	1	2	3	468.7	IPI00515360	Hspg2
103	-12	4.39	3	5	2	2	101.3	IPI00756879	Dsg3
104	-10.8	4.38	9.1	13	2	2	29.8	IPI00679159	
105	-18.5	4.37	7.6	13	2	2	43	IPI00318017	Prss23
106	-16.8	4.37	14	17	2	2	26.7	IPI00134599	Rps3
107	-21.7	4.35	10	17	2	2	33.5	IPI00313222	Rpl6
108	-11.9	4.34	12	13	2	2	19.7	IPI00128491	Aprt
109	-11.7	4.33	7.4	17	2	2	32.6	IPI00377298	Tra2a
110	-11.7	4.32	2.5	4	2	2	108.8	IPI00129220	Epha2
111	-17.7	4.24	7.6	11	2	3	40.3	IPI00652811	Anxa1
112	-12.3	4.23	10	13	2	4	34.3	IPI00165694	Tomm34
113	-14.1	4.22	1.6	3	2	3	206.1	IPI00405742	Plxnb2
114	-21.5	4.11	1.4	2	2	3	295.1	IPI00134652	Col7a1
115	-19.9	4.11	3.4	5	2	2	145.9	IPI00311780	Abcb1a
116	-11.6	4.04	2.7	4	2	3	121.9	IPI00467172	Myo1c
117	-10.7	4.01	3.7	5	2	2	134.1	IPI00453819	Lars
118	-14.3	3.98	3.9	9	2	2	127.1	IPI00664442	Slc4a7
119	-10.3	3.97	2.2	3	2	2	162.1	IPI00457485	
120	-13.7	3.94	0.9	1	2	3	531.7	IPI00119876	Dync1h1
121	-11.1	3.94	2.9	5	2	2	134.2	IPI00606586	Smc2
122	-10.5	3.74	9.7	16	2	2	51.9	IPI00226149	Rsl1d1
123	-14.2	3.73	6.9	10	2	2	74.6	IPI00316133	Srp72
124	-16.2	3.66	4.5	6	2	2	107.6	IPI00108780	Ap2a1

Table S2.

PG -/-

<u>Entry</u>	<u>log(e)</u>	<u>log(l)</u>	<u>% (measured)</u>	<u>% (corrected)</u>	<u>unique peptides</u>	<u>total peptides</u>	<u>MW (kDa)</u>	<u>Accession</u>	<u>Protein</u>
1	-1599	6.89	32	41	144	182	603.9	IPI00553798	Ahnak
2	-581.7	6.11	17	28	53	58	506.9	IPI00623114	Fat1
3	-540.2	6.55	16	21	48	65	330.6	ENSMUSP00000089703	Lama3
4	-440.9	6.5	34	43	36	62	128.8	IPI00117093	Lamb3
5	-335	6.54	60	71	31	52	52.8	IPI00227140	Krt14
6	-317.2	6.43	27	38	30	41	130.3	IPI00117115	Lamc2
7	-265.7	6.29	44	74	27	35	61.7	IPI00139301	Krt5
8	-245	6.68	46	73	24	41	51.2	IPI00128040	Htra1
9	-217.3	5.87	20	29	23	24	194.6	IPI00313479	Itgb4

10	-248.8	6.33	35	53	20	32	59.3	IPI00131368	Krt6a
11	-235.1	5.65	34	46	20	24	100	IPI00112963	Ctnna1
12	-143.1	5.93	42	53	14	18	38.7	IPI00468203	Anxa2
13	-115.5	5.58	13	16	13	16	129.6	IPI00118413	Thbs1
14	-125	5.56	18	25	12	15	85.2	IPI00311104	Sema3c
15	-97.6	5.39	14	23	10	12	76.7	IPI00317794	Ncl
16	-88.6	5.36	12	19	10	10	122.1	IPI00420835	Itga6
17	-88.5	5.42	15	23	10	11	96.8	IPI00750243	Ctnnd1
18	-88.7	5.21	27	40	9	11	49.6	IPI00117352	Tubb5
19	-164.7	6.07	20	26	8	11	48.1	IPI00230365	Krt17
20	-91.2	5.09	12	21	8	9	112.9	IPI00311682	Atp1a1
21	-71	5.1	21	29	8	9	38.7	IPI00230395	Anxa1
22	-66.9	4.89	3	4	8	10	521.6	IPI00230061	Plec1
23	-67.2	4.88	5.2	7	7	8	233.2	IPI00464223	Fer1l3
24	-59.4	5	9.7	14	7	9	134.1	IPI00230616	Col alpha-1(XVIII)
25	-63.6	5	13	23	6	8	98.2	IPI00318626	Cdh1
26	-62.1	5.22	16	21	6	7	57.1	IPI00126864	Angptl2
27	-61.7	5.19	8.6	15	6	8	101.3	IPI00756879	Dsg3
28	-55.6	5.07	25	30	6	6	41.5	IPI00114945	2-Sep
29	-53.6	5.27	36	54	6	6	23.3	IPI00121110	Ralb
30	-62.6	4.79	10	16	5	6	73.1	IPI00230035	Ddx3x
31	-52.4	4.95	20	33	5	7	43.9	IPI00117689	Ptrf
32	-48.8	4.82	17	29	5	5	58.3	IPI00114641	Slc3a2
33	-46.4	4.77	10	15	5	5	85.4	IPI00125899	Ctnnb1
34	-44.7	5.03	14	35	5	5	51.6	IPI00320420	Clu
35	-44.2	5.01	8.1	16	5	5	88.2	IPI00132474	Itgb1
36	-14.8	5.46	25	100	5	7	28	IPI00120793	Prnd
37	-49.5	4.75	3.5	5	4	6	226.2	IPI00123181	Myh9
38	-47.8	5.54	21	32	4	4	24.1	IPI00462291	Hmgb2
39	-46.5	5.09	5.3	8	4	4	137.5	IPI00756424	Eif5b
40	-45.3	5.26	20	34	4	6	35	IPI00115558	Tacstd1
41	-40.4	4.98	12	29	4	4	36.2	IPI00277066	Hnrpab
42	-38.4	5.3	13	20	4	5	40.5	IPI00228617	Gnai2
43	-35.4	4.99	16	20	4	6	42.6	IPI00410836	Fen1
44	-31.7	5.19	12	17	4	4	37.3	IPI00162780	Gnb2
45	-31.5	4.36	12	25	4	6	51.4	IPI00649422	3300001P08Rik
46	-31.2	5.25	23	44	4	4	19.3	IPI00129323	Sfrs3
47	-31.1	5.18	33	49	4	4	23	IPI00128522	Hspb1
48	-25.7	4.8	32	52	4	4	21.9	IPI00850934	
49	-24.5	5.49	24	33	4	4	15.4	IPI00277753	Hist1h3a
50	-87	5.06	13	19	3	4	49.6	IPI00109073	Tubb4
51	-35.8	4.6	6.7	12	3	3	75.4	IPI00129430	Sfpq
52	-34.1	4.98	35	45	3	3	11.6	IPI00133621	S100a14

53	-32.9	4.66	7.5	14	3	3	59.4	IPI00127763	Rbm39
54	-31.7	4.22	9.9	14	3	4	54.5	IPI00353563	Fscn1
55	-27.4	4.76	9.9	13	3	3	41.3	IPI00857127	Eif4a2
56	-27.3	4.34	12	18	3	4	42	IPI00121387	Gna11
57	-26.9	5.31	34	62	3	4	14.9	IPI00133243	Ifitm3
58	-26.6	5.44	42	61	3	8	11.2	IPI00222555	S100a10
59	-26.3	4.96	22	33	3	3	14.8	IPI00113394	
60	-25.9	4.64	4.5	7	3	3	80.8	IPI00124111	Pkp1
61	-25.6	5.09	22	50	3	4	13.6	ENSMUSP00000089302	Hist3h2a
62	-24.8	3.95	6.5	9	3	3	75.6	IPI00315488	Rars
63	-23.6	5.11	7.7	14	3	4	46.6	IPI00380309	Luc7l2
64	-23	4.31	5.4	9	3	4	105.1	IPI00263041	Mmrn2
65	-22.7	4.47	3.8	7	3	3	113.4	IPI00648237	Itga3
66	-20.2	4.8	8.3	12	3	3	29.8	IPI00473521	
67	-19.2	5.2	3.7	8	3	3	85.8	IPI00266154	Cd44
68	-76.6	6.12	5.3	6	2	2	52.1	IPI00131209	Krt16
69	-31.5	4.57	10	17	2	5	33.5	IPI00313222	Rpl6
70	-25.3	4.59	11	23	2	3	23.5	IPI00133185	Rpl14
71	-25.3	4.29	7.6	13	2	2	43	IPI00318017	Prss23
72	-25	4	16	43	2	3	36.2	IPI00461966	BC056923
73	-21.4	5.43	6.3	9	2	5	37.8	IPI00322594	Ctgf
74	-19.1	4.72	8.5	12	2	3	31.7	IPI00754697	
75	-19.1	4.4	19	38	2	2	15.4	IPI00402981	Rps24
76	-18.9	4.44	2	3	2	2	117.5	IPI00222589	Ptk7
77	-18.9	3.69	4.7	7	2	2	104	IPI00310131	Ap2a2
78	-18.1	4.83	14	35	2	3	13.7	IPI00137735	Rps25
79	-18	4.47	14	17	2	2	26.7	IPI00134599	Rps3
80	-17.6	4.38	2.6	4	2	2	93.4	IPI00230665	Ncam1
81	-15.7	3.74	3.6	5	2	2	93.5	IPI00120691	Ddx21
82	-15.5	4.67	18	23	2	2	16.7	IPI00462232	
83	-15.3	5.14	18	23	2	2	14.3	IPI00109409	S100a16
84	-15.1	4.84	12	16	2	2	28.3	IPI00415609	Fgfbp1
85	-15	3.93	10	13	2	2	34.3	IPI00165694	Tomm34
86	-14.4	4.63	8.6	9	2	3	22.3	IPI00126388	Cldn4
87	-14.4	4.4	4.3	6	2	2	62.6	IPI00406117	Syncrip
88	-14.3	4.25	4.9	7	2	2	100.1	IPI00624693	
89	-14	4.75	23	35	2	2	13.5	IPI00119220	Snrpd2
90	-14	3.63	3.4	5	2	2	145.9	IPI00311780	Abcb1a
91	-13.9	3.45	2.4	3	2	2	108.8	IPI00129220	Epha2
92	-13.8	4.18	15	31	2	2	16.5	IPI00153608	Eif1a
93	-13.7	4.3	11	14	2	3	20.7	IPI00466588	Rap2c
94	-13.6	4.89	9.4	16	2	2	22.6	IPI00230133	Hist1h1b
95	-13.2	4.02	5	10	2	2	58.8	IPI00224075	Cpne1

96	-12.9	4.89	30	64	2	2	8.2	IPI00138302	Rpl38
97	-12.7	4.75	19	34	2	2	13	IPI00261455	Rps26
98	-12.5	4.43	8.3	11	2	2	64	IPI00653643	Hnrnp1
99	-12.2	4.09	4.7	6	2	3	94.9	IPI00396671	Abcf1
100	-12	5.14	10	18	2	2	23.4	IPI00127408	Rac1
101	-11.5	4.2	4	6	2	3	112.4	IPI00321990	
102	-11.3	4.57	7.3	12	2	2	27.7	IPI00420807	Sfrs1
103	-11	5.03	1.5	2	2	2	172.7	IPI00122223	Top2a
104	-10.9	4.19	6.2	7	2	2	48.2	IPI00129102	Plau
105	-10.9	4.12	2.8	4	2	3	188.6	IPI00467447	Iqgap1
106	-10.7	5.57	12	12	2	4	15.7	IPI00316491	Hbb-b1
107	-10.6	4.48	7.5	10	2	2	31.2	IPI00318492	Rps2
108	-9.7	4.45	6.6	10	2	2	38.1	IPI00480398	
109	-9	3.49	1.2	2	2	2	292.8	IPI00457499	Gcn11
110	-8.9	3.4	13	15	2	2	19.7	IPI00128491	Aprt
111	-4.1	4.34	12	18	2	2	27.8	IPI00318548	U2af1

Figure S1.

1 MAGPCCSPWVKLLLLAAMLASASLPGDLANRCKKAQVKSCTECIRVDKSCAYCTDELFKER 60
61 RCNTQAELLAAGCRGESILVMESSLEITENTQIDTSLHRSQVSPQGLQVRLRPGEERSFV 120
121 FQVFEPLESPVDLYILMDFSNSMSDDLNLKQMGONLAKILRQLTSDYTIGFGKFVDKVS 180
181 VPQTDMRPEKLKEPWPNSDPPFSFKNVISLTENVEEFWNKLQGERISGNLDAPEGGFDAI 240
241 LQTAVCTRDIGWRADSTHLLVFSTESAFHYEADGANVLAGIMNRNDEKCHLDASGAYTQY 300
301 KTDQYPSVPTLVRLLAKHNIPIFAVTNYSYSYEEKLHKYFPVSSLGVLQEDSSNIVELL 360
361 EEAFYRIRSNLDIRALDSPRGLRTEVTSDTLQKTETGTFHIKRGEVGTYNVHLRAVEDID 420
421 GTHVCQLAKEDQGGNIHLKPSFSDGLRMIDASVICDVCPELQKEVRSARCHFRGDFMCGH 480
481 CVCNEGWSGKTCNCSTGSLSDTQPCLREGEDKPCSGHGECQCGRVCYGEGRYEGHFCEY 540
541 DNFQCPRTSGFLCNDRGRCSMGECVCEPGWTGRSCDCPLSNATCIDSNGGICNGRGYCEC 600
601 GRCHCNQQSLYTDTTCEINYSAIRLGLCEDLRSCVQCQAWGTGEKKGRACDDCPFKVMV 660
661 DELKKAEEVVEYCSFRDEDDDDCTYSYNVEGDGSPGPNSTVLVHKKKDCPPGSFWWLIPLL 720
721 IFLLLLLLALLLLLCKWYCACCKACLGLLPCCNRGMVGFKEDHYMLRENLMASDHLDTPM 780
781 LRSGNLKGRDTRVRWKITNNVQRPGFATHAASTSPTLVPYGLSLRLGRLCTENLMKPGTR 840
841 ECDQLRQVEEENLNEVYRQVSGAHKLQQTFRQQPNTGKKQDHTIVDTVLLAPRSAKQML 900
901 LKLTTEKQVEQGSFHELKVAPGYTVAEQDARGMVEFQEGVELVDVRVPLFIRPEDDDEK 960
961 QLLVEAIDVPVGTATLGRRLVNITIIKEQASGVVSFEQPEYSVSRGDQVARIPVIRHILD 1020
1021 NGKSQVSYSTQDNTAHGHRDYVPVEGELLFHPGETWKELQVKLLELQEVDSLLRGRQVRR 1080
1081 FQVQLSNPKFGARLGQPSTTTTIVILGEHDETDRLINQTLSSPPPHGDLGAPQNPNAKAA 1140
1141 GSRKIHFNLWPPPCKPMGYRVKYWIQGDSESEAHLLDSKVPSVELTNLYPYCDYEMKVCA 1200
1201 YGAQGEQPYSSLVSCRTHQVPSPEGRLAFNVVSSVTVQLSWAEPATNGEITAYEVCY 1260
1261 LVNEDNRPIGPMKQVLVDNPNRMLLIENLRESQPYRYTVKARNGAGWGPPEREAIINLAT 1320
1321 QPKRPMSIPIIPDIPIVDAQGGEDYENFLMYSDVLRSPASSQRPSVSDDEHLVNGRMD 1380
1381 FAYPGSANSLHRMTAANVAYGTHLSPHLSHRVLSTSSTLTRDYHSLTRTEHSHSGTLPRD 1440
1441 YSTLTSLSSSQDSRGAVGVPDTPTRLVFSALGPTSLKVSQEPQCDRMLLGYSVEYQLLNG 1500
1501 GEMHRLNIIPNPGQTSVVVEDLLPNHSYVFRVRAQSQEGWGREREGVITIESSQVHPQSPLC 1560
1561 PLPGSAFTLSTPSAGPLVFTALSPDSLQLSWERPRRPNGDILGYLVTCEMAQGGAPART 1620
1621 FRVDGDNPESRLVTPGLSENVYKFKVQARTTEFGPEREGITIESSQVGGFPQLGSHS 1680
1681 GLFQNPVQSEFSSVTSTHSTTTTEPFLMDGLTLGTQRLEAGGSLTRHVTQEFVTRTLTASG 1740
1741 SLSTHMDQQFFQT

Table S3.**UM-SCC1**

Entry	log(e)	log(l)	% (measured)	% (corrected)	unique peptides	total peptides	MW (kDa)	Accession	Protein
1	-223.4	6.03	25	35	20	55	108.1	Q76M96	CCDC80
2	-193.4	6.53	6.9	13	2	7	50.1	Q90835	
3	-155.6	5.62	16	22	15	34	129.5	Q13751	LAMB3
4	-145.3	5.5	7.1	9	16	25	366.4	Q16787	LAMA3
5	-133.4	6.17	6.9	11	2	3	50.1	IPI00180730	
6	-131.5	5.61	13	20	14	26	130.9	Q13753	LAMC2
7	-99.4	5.41	28	53	11	16	59.3	Q14498	RBM39
8	-90.5	6.53	8.5	16	2	4	24.3	IPI00561747	
9	-80.5	5.55	29	46	9	19	51.3	Q92743	HTRA1
10	-76.1	5.47	33	53	9	16	27.7	Q07955	SFRS1
11	-75.7	5.78	40	66	8	19	14.8	P35268	RPL22
12	-74.2	5.5	28	45	8	19	32.7	Q02878	RPL6
13	-71.8	5.62	36	100	7	16	16.3	P62263	RPS14
14	-71.2	4.89	15	24	8	12	76.6	P19338	NCL
15	-68.7	5.56	61	100	7	24	14.6	P37108	SRP14
16	-67.1	5.23	13	17	7	15	74.6	Q15582	TGFBI
17	-66.9	5.17	47	85	8	12	21.8	ENSP00000384755	
18	-65.1	5.75	26	35	7	15	29.6	P12272	PTHLH
19	-63.6	5.49	29	42	8	17	17.2	P62277	RPS13
20	-63	5.91	23	30	8	19	26.2	Q14512	FGFBP1
21	-62.8	5.23	55	70	8	16	14.4	P53999	SUB1
22	-61.8	5.34	22	31	7	14	29.9	P61247	RPS3A
23	-61	5.4	14	25	6	15	46.5	Q9Y383	LUC7L2
24	-59.9	5.57	38	53	6	18	14.2	P84103	SFRS3
25	-59.2	5.78	36	87	8	27	13.7	P62851	RPS25
26	-59	5.36	41	63	6	21	22.1	P62081	RPS7
27	-57.5	5.27	23	27	7	15	36.7	P00338	LDHA
28	-57	5.53	22	32	6	14	31.7	P17936	IGFBP3
29	-55.4	5.36	20	35	6	15	42	IPI00581140	
30	-53.5	4.82	9.6	13	6	10	85.2	Q99985	SEMA3C
31	-52	5.02	6.4	9	5	11	113	P09874	PARP1
32	-51.3	5.75	38	85	7	17	17.7	P62750	RPL23A
33	-49.1	5.49	49	100	6	13	8.2	P63173	RPL38
34	-48.6	6.07	33	78	6	16	14	ENSP00000373730	H2AFJ
35	-48.5	6.01	13	35	2	5	14.1	P28001	HIST1H2AE
36	-48.2	5.62	14	16	7	18	42	O00622	CYR61

37	-44.1	5.62	32	100	8	18	27.6	P04156	PRNP
38	-43.3	5.09	12	19	5	10	48	P35659	DEK
39	-43	5.56	17	32	5	8	23	O15347	HMGB3
40	-42.6	4.84	19	27	6	9	46.8	P05455	SSB
41	-41.8	5.11	27	32	5	9	26.7	P23396	RPS3
42	-41.4	5.85	42	71	5	11	11.7	P17096	HMGA1
43	-39.9	5.05	14	19	4	7	33.6	P07910	
44	-39.2	5.62	31	91	5	13	7.1	Q9Y2S6	
45	-39.1	5.57	25	36	5	11	25	P62906	RPL10A
46	-39	5.27	17	29	4	8	30	P62424	RPL7A
47	-38.5	5.93	20	38	2	5	15.1	P16104	H2AFX
48	-36.6	5.38	20	53	4	7	23.5	P84098	RPL19
49	-36.3	5	8.4	14	5	10	47.7	P36578	RPL4
50	-36.3	5.37	36	49	4	10	14.8	P62244	RPS15A
51	-35	5.07	9.4	18	5	9	90.7	ENSP00000384201	
52	-35	5.45	25	45	4	7	13.4	P60866	RPS20
53	-34.9	4.93	9	20	4	9	64.4	Q5VTL8	PRPF38B
54	-34.8	4.9	16	25	4	9	34.5	Q15785	TOMM34
55	-34.3	5.19	17	26	5	9	34.3	P46777	RPL5
56	-33.4	5.38	10	18	5	9	46.4	Q9GZT5	WNT10A
57	-32.6	4.81	7.5	12	4	6	62.3	P13647	KRT5
58	-32.4	5.16	18	29	4	7	19.1	P62266	RPS23
59	-29.3	5.45	27	40	4	10	17.8	P30050	RPL12
60	-28.9	4.82	5.5	8	4	7	83.2	P08238	HSP90AB1
61	-28.4	6.03	24	33	4	11	15.3	P84243	
62	-27.9	4.83	6.5	9	4	6	87	Q9Y446	PKP3
63	-27.6	4.77	15	21	4	6	29.6	P62701	RPS4X
64	-26.7	4.46	13	19	4	7	61.5	Q13573	SNW1
65	-26.7	4.49	7.1	12	3	4	102.3	Q8IYB3	SRRM1
66	-26.4	4.49	13	27	4	6	51.4	O95232	
67	-26	5.02	15	20	4	7	25.2	Q00688	FKBP3
68	-25.7	5.11	10	19	2	4	27.4	Q16629	SFRS7
69	-25.5	5.27	15	36	3	8	20.9	P07305	H1F0
70	-24.8	4.74	22	33	4	5	17.7	P62269	RPS18
71	-24.7	4.23	13	17	4	6	31.3	P15880	RPS2
72	-23.6	4.81	11	22	3	6	32.8	Q14103	HNRPD
73	-23.5	4.73	10	13	3	4	45.2	P04075	ALDOA
74	-23.4	5.9	23	63	2	6	13.5	Q71UI9	H2AFV
75	-21.7	4.7	5.4	9	3	4	69.1	P17844	DDX5
76	-21.3	5.06	26	48	3	6	14.5	P62899	RPL31
77	-20.9	5.47	16	59	3	6	17.7	P47914	RPL29
78	-20.8	4.65	16	29	3	5	25.2	P62241	RPS8
79	-20.7	5.08	30	45	3	6	13.5	P62316	SNRPD2

80	-20.6	4.43	9.3	12	3	5	40.5	Q9Y295	DRG1
81	-20.3	5.29	15	25	3	7	24.1	P35625	TIMP3
82	-20.3	4.29	9.6	19	3	5	54.9	O76021	RSL1D1
83	-20.2	4.75	15	23	3	5	34.9	Q96AG4	LRRC59
84	-20.2	4.3	10	15	3	6	49.6	P04350	TUBB4
85	-19.2	5.14	23	30	2	8	11.7	Q9UDP3	S100A11
86	-19	4.64	19	38	2	6	15.1	P62847	RPS24
87	-18.9	4.84	0.7	1	3	5	399	O15230	LAMA5
88	-18.6	4.06	22	37	2	2	15.5	P08708	
89	-18.1	4.85	11	16	2	4	39.5	O75367	H2AFY
90	-17.7	4.77	9.4	17	2	4	22.5	Q92522	H1FX
91	-17.6	4.81	15	21	3	5	16.1	P39019	RPS19
92	-17.1	4.81	13	20	3	5	28.7	Q9Y3A5	SBDS
93	-17.1	4.75	2	3	2	4	81	Q08945	SSRP1
94	-16.7	5.04	26	33	2	6	9.5	P42677	
95	-16	4.74	31	40	2	6	13.8	Q9Y237	PIN4
96	-15.8	5.06	7	14	3	4	33.2	Q9NWB6	
97	-15.6	4.12	4.2	6	2	3	61.8	P08195	SLC3A2
98	-15.3	5.33	6.6	9	2	6	39	O00755	WNT7A
99	-15.2	5.02	9.7	12	2	8	12.6	P62888	RPL30
100	-15.1	4.04	5.4	6	2	4	63.1	P06744	GPI
101	-15	4.34	4.2	8	2	4	90.5	Q00839	HNRNPU
102	-14.9	5.09	9.8	12	2	5	20.2	P63241	EIF5A
103	-14.1	4.83	15	19	2	4	27.5	Q9UKD2	MRTO4
104	-13.7	4.46	14	24	2	4	22.2	O75494	FUSIP1
105	-13.7	4.73	12	25	2	5	17.8	P83731	RPL24
106	-13.5	5.01	12	22	2	4	20.2	P62913	RPL11
107	-13.3	4.69	8.2	10	2	4	35.5	P27695	APEX1
108	-13	4.2	5.5	8	2	2	44.9	P18754	RCC1
109	-12.2	3.97	4	6	2	3	87.3	Q9NR30	DDX21
110	-12	4.09	14	20	2	3	20.6	P61204	ARF3
111	-11.9	4.77	14	20	2	3	16.4	O60869	EDF1
112	-11.4	4.98	17	57	2	4	14.5	P42766	RPL35
113	-11.2	4.8	8.3	22	2	3	14.4	P35544	FAU
114	-11.1	3.55	6.4	9	2	2	45.1	Q9H0S4	DDX47
115	-11.1	4.83	15	21	2	4	18	ENSP00000383981	
116	-10.8	4.56	3.3	6	2	4	88.4	P05556	ITGB1
117	-10.7	4.64	8.1	10	2	3	33.8	P22087	FBL
118	-10.7	4.69	13	40	2	4	18.8	Q8WVK2	
119	-10.5	3.77	5.1	7	2	2	70.7	Q9UHB9	SRP68
120	-10.3	3.74	13	16	2	4	19.9	P46783	RPS10
121	-10.1	4.34	17	22	2	3	32.4	O00560	SDCBP
122	-10	4.85	9.7	14	2	3	28	P62917	RPL8

123	-9.8	4.47	27	52	2	4	10.8	P62304	SNRPE
124	-9.7	4.75	9.6	15	2	5	37.3	O60911	CTSL2
125	-9.7	4.37	12	18	2	4	27.9	Q01081	U2AF1
126	-9.5	4.16	6.4	9	2	2	42.3	P38159	RBMX
127	-9.4	4.39	20	34	2	2	14.7	IPI00187975	
128	-9.2	4.37	4.4	5	2	2	61.1	P11940	PABPC1
129	-9.1	4.64	11	22	2	4	15.8	P61353	RPL27
130	-8.8	4.93	16	30	2	3	23.8	ENSP00000351380	
131	-8.3	4.91	17	31	2	3	13	P62854	
132	-8.2	4.99	8	22	2	3	28.7	P62753	RPS6
133	-6.8	4.76	27	67	2	2	6.9	Q9NX55	SERF2
134	-6.5	4.86	7.6	18	2	4	17.2	P61254	RPL26

Table S4.

CAL33

<u>Entry</u>	<u>log(e)</u>	<u>log(l)</u>	<u>% (measured)</u>	<u>% (corrected)</u>	<u>unique peptides</u>	<u>total peptides</u>	<u>MW (kDa)</u>	<u>Accession</u>	<u>Protein</u>
1	-578	6.16	13	17	54	101	628.7	Q09666	AHNAK
2	-410.6	6.41	34	49	36	104	108.1	Q76M96	CCDC80
3	-356.7	5.65	10	13	33	50	515.9	Q15149	PLEC1
4	-320.4	6.02	30	58	27	66	112.8	P05023	ATP1A1
5	-241.1	5.96	21	28	20	57	129.5	Q13751	LAMB3
6	-216.9	5.81	8.5	11	19	35	366.4	Q16787	LAMA3
7	-209.7	5.98	32	46	18	42	61.8	P08195	SLC3A2
8	-198.6	5.86	47	59	18	42	38.6	P07355	ANXA2
9	-189.7	5.91	18	28	18	35	130.9	Q13753	LAMC2
10	-179.3	5.57	15	22	18	30	200.6	P16144	ITGB4
11	-164	6.34	6.9	13	2	2	50.1	IPI00589985	
12	-141.6	5.61	44	59	13	31	38.7	P04083	ANXA1
13	-130.1	5.52	29	39	13	29	66	O00567	NOL5A
14	-118.9	5.38	22	32	12	20	87	Q9Y446	PKP3
15	-108.1	5.36	21	30	11	20	81.7	P14923	JUP
16	-99.1	5.94	4.6	8	2	3	21.9	P10412	HIST1H1E
17	-97.9	5.59	18	30	10	16	62.3	P13647	KRT5
18	-84.6	5.37	20	22	8	13	63.9	ENSP00000352447	C1orf116
19	-79.5	5.01	14	19	9	16	100	P35221	CTNNA1
20	-70.5	5.15	20	39	7	14	59.3	Q14498	RBM39
21	-66.2	5.55	17	30	7	17	46.5	Q9Y383	LUC7L2
22	-66.1	5.77	35	100	6	18	16.3	P62263	RPS14
23	-64.8	5.43	41	63	6	25	22.1	P62081	RPS7
24	-64.5	5.58	47	100	8	14	17.7	P62750	RPL23A
25	-62.5	5.75	49	100	7	21	8.2	P63173	RPL38

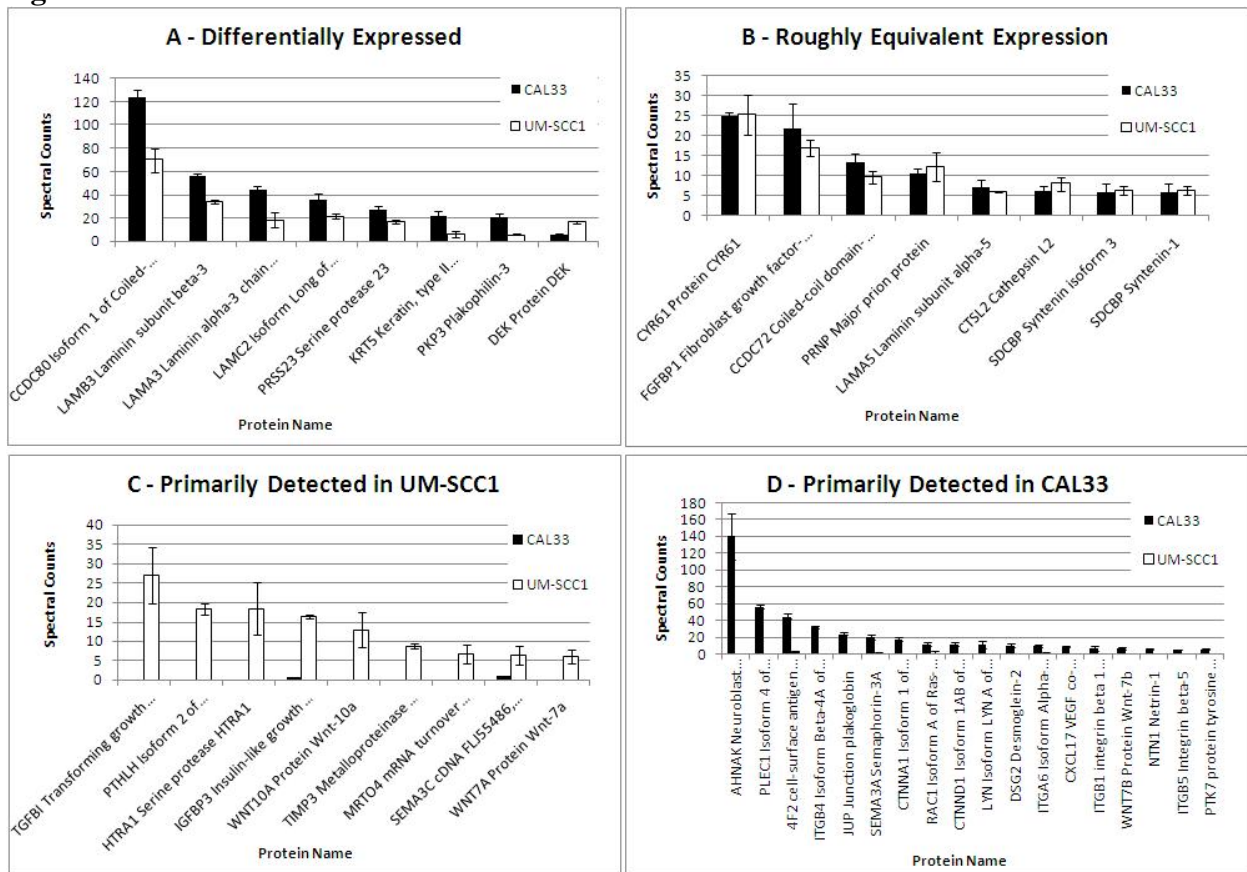
26	-59.3	5.84	23	30	7	28	26.2	Q14512	FGFBP1
27	-58.7	5.37	18	30	5	19	43	O95084	PRSS23
28	-57.8	5.6	38	53	6	16	14.2	P84103	SFRS3
29	-56	5.1	8.3	12	5	9	126.5	P23229	ITGA6
30	-54.8	5.38	17	24	6	13	29.9	P61247	RPS3A
31	-53	5.45	34	48	7	15	17.2	P62277	RPS13
32	-51.3	5.26	23	36	6	16	32.7	Q02878	RPL6
33	-50.6	5.43	34	81	7	14	13.7	P62851	RPS25
34	-50.6	5.34	11	23	6	9	54	P11166	SLC2A1
35	-49.2	6.02	31	91	6	15	7.1	IPI00006378	
36	-49.1	5.17	6.7	11	2	2	42	IPI00581140	
37	-48.5	4.39	9	13	6	8	117.8	O00159	MYO1C
38	-47.5	4.91	11	26	6	8	64.4	Q5VTL8	PRPF38B
39	-47.4	4.99	24	40	5	10	31.7	P27105	STOM
40	-46.9	5.09	16	24	6	10	61.5	Q13573	SNW1
41	-46.5	4.71	6.1	9	4	7	113	P09874	PARP1
42	-46.2	5.66	12	13	6	16	42	O00622	CYR61
43	-44.5	4.97	13	21	4	9	38.4	ENSP00000313422	ARL6IP4
44	-44.3	4.79	45	82	5	9	21.8	ENSP00000384755	
45	-42	4.74	17	26	4	5	39.5	O75367	H2AFY
46	-41.2	5.13	9.9	20	6	9	88.4	P05556	ITGB1
47	-40.4	4.64	9.5	13	5	10	116	P06756	ITGAV
48	-40.1	5.06	33	80	6	7	17.2	P61254	RPL26
49	-39.7	5.22	51	71	4	8	11.8	Q96FQ6	S100A16
50	-39.4	5	25	34	5	9	16.1	P39019	RPS19
51	-38.3	4.96	17	20	5	7	46.5	P00966	ASS1
52	-37.7	5.08	1.8	3	5	8	399	O15230	LAMA5
53	-37	4.81	18	23	5	9	31.3	P15880	RPS2
54	-37	5.1	36	49	4	7	14.8	P62244	RPS15A
55	-37	5.11	24	31	4	11	14.4	P53999	SUB1
56	-36	5.37	29	48	4	7	14.8	P35268	RPL22
57	-35.5	4.87	26	30	5	7	26.7	P23396	RPS3
58	-35	4.32	4.5	7	3	7	129.5	P23634	ATP2B4
59	-34.9	4.85	8.2	10	5	8	65.8	P07948	LYN
60	-34.9	5.1	28	42	5	9	17.7	P62269	RPS18
61	-34.3	4.39	29	38	5	5	32.4	O00560	SDCBP
62	-33.9	4.83	24	30	4	8	14.9	P62829	RPL23
63	-33.5	4.04	1.3	2	4	7	468.7	P78527	PRKDC
64	-32.8	4.86	20	32	5	7	22.6	P46781	RPS9
65	-31.9	4.7	29	38	3	5	11.7	Q9HCY8	S100A14
66	-31.1	5.09	16	25	4	7	27.7	Q07955	SFRS1
67	-31.1	5.39	26	36	3	13	13.9	P62807	
68	-31	4.91	54	100	5	8	14.6	P37108	SRP14

69	-30.4	5.2	29	48	3	8	15.5	P08708	
70	-30	5.42	25	100	5	9	27.6	P04156	PRNP
71	-29.6	5.32	27	40	4	11	17.8	P30050	RPL12
72	-29.5	5.07	7.1	12	3	6	67.7	O95631	NTN1
73	-29.4	4.91	6.5	11	4	6	122.2	Q14126	DSG2
74	-28.3	4.78	16	29	3	5	25.2	P62241	RPS8
75	-27.5	4.17	5.6	8	3	5	104	O94973	AP2A2
76	-26	4.74	8.4	15	4	8	68.8	O60716	CTNND1
77	-25.8	4.8	8.2	18	4	5	51.5	P08621	SNRP70
78	-25.7	4.25	15	23	4	6	49.8	P68371	TUBB2C
79	-25.2	4.65	19	30	4	6	34.9	Q96AG4	LRRCS9
80	-24.6	4.87	13	17	3	7	29.6	P62701	RPS4X
81	-23.9	4.91	18	38	3	5	21.6	Q07020	RPL18
82	-23.9	5.07	16	50	3	8	18.8	Q8WVK2	
83	-23.7	5.24	21	38	3	5	13.4	P60866	RPS20
84	-23.5	5.19	4.9	6	3	7	88.8	Q14563	SEMA3A
85	-23.5	4.5	3.9	6	3	4	134.2	P00533	EGFR
86	-23.5	4.79	6.5	15	3	5	54.4	P50995	ANXA11
87	-23.5	4.67	21	40	2	5	16.2	P62314	SNRPD1
88	-23.3	4.31	7.3	12	4	5	103.5	Q13308	PTK7
89	-22.9	5.16	18	29	3	6	19.1	P62266	RPS23
90	-22.7	4.7	15	24	4	5	24.2	P26373	RPL13
91	-22.5	4.17	16	19	3	4	23.5	P51149	RAB7A
92	-22	4.67	6.1	9	3	5	57.9	Q13425	SNTB2
93	-21.6	4.92	14	23	3	5	30	P62424	RPL7A
94	-21.6	5.21	23	30	2	7	11.7	Q9UDP3	S100A11
95	-21.3	4.84	6	8	3	7	61.9	ENSP00000369323	NPNT
96	-21.1	4.55	16	23	3	5	34.1	Q99988	GDF15
97	-21.1	5.03	12	33	2	4	23.5	P84098	RPL19
98	-21.1	4.48	9.7	18	2	4	33.6	P62995	SFRS10
99	-20.9	5.2	11	29	3	6	28.7	P62753	RPS6
100	-20.8	4.93	26	48	3	7	14.5	P62899	RPL31
101	-20.8	5.15	19	24	3	7	19.4	P35613	BSG
102	-20.7	5.11	28	65	3	5	14	ENSP00000373730	H2AFJ
103	-20.6	4.63	4.4	6	3	4	83.2	P08238	HSP90AB1
104	-20.6	4.86	13	27	2	6	23.8	IPI00555744	
105	-20.5	4.67	7.9	16	2	6	43.4	Q6NZI2	PTRF
106	-20.3	4.04	1.6	2	3	5	394.2	P46939	UTRN
107	-20.1	4.95	6.8	11	3	5	47.7	P36578	RPL4
108	-19.6	4.3	4.1	7	2	4	88	P18084	ITGB5
109	-19.4	4.82	19	38	2	6	15.1	P62847	RPS24
110	-19.1	5.54	12	18	3	7	28	P62917	RPL8
111	-18.7	4.77	18	36	3	5	15.8	P61353	RPL27

112	-18.6	4.9	26	37	2	4	11.2	P60903	S100A10
113	-17.8	4.16	5.4	6	2	5	63.1	P06744	GPI
114	-17.5	4.09	4	6	2	4	87.3	Q9NR30	DDX21
115	-17.4	4.31	5.3	11	2	3	51.4	O95232	
116	-17.1	5.09	5.1	16	2	4	55	Q01650	SLC7A5
117	-17	5.1	7	14	3	5	33.2	Q9NWB6	
118	-17	4.54	4.2	8	3	5	99	P11387	TOP1
119	-16.8	4.5	10	14	2	4	22.5	P61026	RAB10
120	-16.6	4.88	11	26	2	5	20.9	P07305	H1F0
121	-16.5	4.9	12	25	2	5	17.8	P83731	RPL24
122	-16.3	5.47	26	33	2	6	9.5	P42677	
123	-15	4.56	9.8	14	3	4	56	Q9P258	RCC2
124	-14.8	4.65	6.9	10	2	3	39.3	P56706	WNT7B
125	-14.5	4.8	12	24	2	4	23	O15347	HMGB3
126	-14.4	4.35	3.7	9	2	3	90.9	P12830	CDH1
127	-14.2	4.65	8.2	14	2	5	40.1	P39023	RPL3
128	-14	4.92	6.9	9	2	3	33.6	P07910	
129	-13.9	5.67	2.1	3	2	6	70	P00734	F2
130	-13.8	4.58	6.9	14	2	3	28.9	Q8N9E0	FAM133A
131	-13.4	4.65	14	24	2	4	22.2	O75494	FUSIP1
132	-13.3	5.05	9.7	12	2	9	12.6	P62888	RPL30
133	-12.8	4.87	35	41	2	4	8	Q9UBI6	GNG12
134	-12.2	3.94	9.3	11	2	2	37.5	Q08431	MFGE8
135	-12.2	4.64	9.4	17	2	3	22.5	Q92522	H1FX
136	-12.1	4.32	13	16	2	4	19.9	P46783	RPS10
137	-11.8	4.07	8.8	15	2	2	47.5	Q8NBZ7	UXS1
138	-11.7	3.75	6.3	13	2	3	54.9	O76021	RSL1D1
139	-11.4	4.5	27	52	2	4	10.8	P62304	SNRPE
140	-11.4	4.96	16	54	2	7	14.5	P42766	RPL35
141	-11.3	4.08	7.6	9	2	3	42.6	P39748	FEN1
142	-11.2	4.52	27	60	2	3	10.3	P61513	RPL37A
143	-11.1	3.89	8.2	10	2	2	35.5	P27695	APEX1
144	-10.9	4.81	5.3	12	2	4	35	P10646	TFPI
145	-10.9	3.9	6.4	9	2	4	46.8	P05455	SSB
146	-10.6	3.83	11	12	2	3	32.9	Q86W42	THOC6
147	-10.5	3.6	2.7	4	2	3	70.7	Q9UHB9	SRP68
148	-10.4	4.22	7	11	2	4	40.4	P04899	GNAI2
149	-10.4	5.08	14	20	2	3	19.7	Q01081	U2AF1
150	-9.8	4.76	14	32	2	3	13.3	P49207	RPL34
151	-9.6	4.59	13	19	2	3	34.2	Q9UQ35	SRRM2
152	-9.6	4.48	4.7	7	2	3	48	P35659	DEK
153	-9.5	5.07	3.3	5	2	6	37.3	O60911	CTSL2
154	-9.5	5.54	17	42	2	4	6.9	Q9NX55	SERF2

155	-9.1	4.02	15	31	2	2	16.6	P46776	RPL27A
156	-9.1	3.4	2.2	4	2	3	104.5	P63010	AP2B1
157	-8.8	4.3	5.1	8	2	3	34.3	P46777	RPL5
158	-8.3	4.1	7.5	20	2	2	14.4	P35544	FAU
159	-8	5.06	12	22	2	3	12.9	ENSP00000384244	
160	-8	4.09	5.9	9	2	2	48.6	ENSP00000338788	ZC3H15
161	-7	5.2	7.6	12	2	6	13.8	ENSP00000345317	
162	-6.9	4.05	6.5	9	2	2	31.7	P17936	IGFBP3
163	-6.8	4.64	10	15	2	2	15.3	P84243	
164	-6.6	4.17	11	15	2	2	16.4	P62249	RPS16
165	-6.3	4.23	6.6	8	2	2	36.7	P00338	LDHA

Figure S2.



Order of Supplemental Information is as presented.