

Table SI. List of upregulated proteins in the gingival crevicular fluid of patients with periodontitis.

No.	Accession no.	Description [OS= <i>Homo sapiens</i>]	MW, kDa	Gene symbol	Abundance N, average	Abundance PT, average	Fold change, PT vs. N
1	Q13011	$\Delta(3,5)$ - $\Delta(2,4)$ -dienoyl-CoA isomerase, mitochondrial	35.8	ECH1	0.3	149.85	499.500
2	P53999	Activated RNA polymerase II transcriptional coactivator p15	14.4	SUB1	0.7	149.65	213.786
3	Q05315	Galectin-10	92.3	GPLD1	0.8	149.6	187.000
4	Q96RU3-1	Formin-binding protein 1	16.4	CLC	1	149.5	149.500
5	Q04917	14-3-3 protein eta	70.9	TRIM25	1.2	149.4	124.500
6	P62328	Thymosin β -4	31.4	ESD	1.2	149.35	124.458
7	Q14258	E3 ubiquitin/ISG15 ligase TRIM25	75.5	PADI2	1.5	149.25	99.500
8	P16435	NADPH--cytochrome P450 reductase	71.3	FNBP1	2.5	148.8	59.520
9	P41218	Myeloid cell nuclear differentiation antigen	36.8	FBP1	2.7	148.65	55.056
10	Q15393-1	Splicing factor 3B subunit 3	72.6	IDUA	2.8	148.6	53.071
11	Q9UBQ7	Glyoxylate reductase/hydroxypyruvate reductase	20.8	GM2A	2.9	148.55	51.224
12	P00491	Purine nucleoside phosphorylase	35	PLSCR1	2.9	148.5	51.207
13	Q92688	Acidic leucine-rich nuclear phosphoprotein 32 family member B	82.4	DDX1	3	148.5	49.500
14	P80108	Phosphatidylinositol-glycan-specific phospholipase D	99	HK3	3.2	148.4	46.375
15	P63098	Calcineurin subunit B type 1	35.6	GRHPR	3.4	148.3	43.618
16	Q92499	ATP-dependent RNA helicase DDX1	135.5	SF3B3	3.6	148.2	41.167
17	P18669	Phosphoglycerate mutase 1	28.2	YWHAH	4.2	147.9	35.214
18	P61224-1	Ras-related protein Rap-1b	11.2	IGLC7	4.4	147.85	33.602
19	P31146	Coronin-1A	19.3	PPP3R1	4.4	147.8	33.591
20	Q9Y333	U6 snRNA-associated Sm-like protein LSM2	5.1	TMSB4X	4.5	147.8	32.844
21	P10768	S-formylglutathione hydrolase	76.6	POR	4.7	147.65	31.415
22	P17900	Ganglioside GM2 activator	41.4	MAPK1	4.7	147.6	31.404
23	Q16775-1	Hydroxyacylglutathione hydrolase, mitochondrial	57.2	ARCN1	4.8	147.55	30.740
24	Q9UQ80	Proliferation-associated protein 2G4	18	ACP1	4.9	147.55	30.112
25	Q9Y6U3	ADSEVERIN	28.8	PGAM1; LOC643576	4.9	147.5	30.102
26	P00738	Haptoglobin	33.4	TST	5.2	147.4	28.346
27	Q96GG9	DCN1-like protein 1	14.6	SRP14	5.4	147.25	27.269
28	Q8NBF2-1	NHL repeat-containing protein 2	28.7	PSME1	5.5	147.3	26.782
29	P37108	Signal recognition particle 14 kDa protein	26.2	TMEM109	5.7	147.2	25.825
30	P04899-1	Guanine nucleotide-binding protein G(i) subunit α -2	59.8	PUF60	5.9	147.05	24.924
31	P06748	Nucleophosmin	70.7	PICALM	5.9	147.05	24.924
32	Q96CX2	BTB/POZ domain-containing protein KCTD12	15.9	CARHSP1	6	147	24.500
33	P20810-1	Calpastatin	39.7	PON1	6.3	146.9	23.317
34	P62937	Peptidyl-prolyl cis-trans isomerase A	39.6	HNRNPA3	6.3	146.85	23.310
35	O75083	WD repeat-containing protein 1	45.8	MNDA	6.4	146.8	22.938
36	P11234	Ras-related protein Ral-B	31.3	IMPA2	6.5	146.8	22.585
37	P25325	3-mercaptopyruvate sulfurtransferase	30.1	DCUN1D1	6.7	146.65	21.888
38	Q9Y2J8	Protein-arginine deiminase type-2	67.8	TM9SF3	7	146.5	20.929
39	P49327	Fatty acid synthase	80.4	SCIN	7.1	146.45	20.627
40	P84090	Enhancer of rudimentary homolog	59.8	CYP4F3	7.1	146.45	20.627
41	P23528	Cofilin-1	68.1	RPA1	7.1	146.45	20.627
42	P61916	Epididymal secretory protein E1	28.1	YWHAB	7.1	146.4	20.620
43	P49720	proteasome subunit β type-3	76.1	SFPQ	7.2	146.4	20.333
44	Q9Y547	Intraflagellar transport protein 25 homolog	273.3	FASN	7.4	146.3	19.770

Table SI. Continued.

No.	Accession no.	Description [OS= <i>Homo sapiens</i>]	MW, kDa	Gene symbol	Abundance N, average	Abundance PT, average	Fold change, PT vs. N
45	Q10472	Polypeptide N-acetylgalactosaminyltransferase 1	33.9	NT5C3; NT5C3A	7.6	146.2	19.237
46	Q15185	Prostaglandin E synthase 3	30.6	VDAC3	7.6	146.2	19.237
47	P68871	Hemoglobin subunit β	23.6	RAB8B	7.7	146.15	18.981
48	P61247	40S ribosomal protein S3a	46.9	AP3M1	7.7	146.15	18.981
49	P26583	High mobility group protein B2	36.7	FAM49B	7.9	146.05	18.487
50	Q9UKK9	ADP-sugar pyrophosphatase	78.4	NCSTN	8	146	18.250
51	P28482	Mitogen-activated protein kinase 1	80.6	PTPRE	8.5	145.8	17.153
52	P61106	Ras-related protein Rab-14	53.8	ALDH9A1	8.6	145.7	16.942
53	P32320	Cytidine deaminase	20.8	CBX3; C15orf57; CCDC32	8.8	145.6	16.545
54	O75874	Isocitrate dehydrogenase [NADP] cytoplasmic	21.6	RAB31	8.8	145.6	16.545
55	P25789	Proteasome subunit α type-4	39	C9orf64	8.8	145.6	16.545
56	P61956	Small ubiquitin-related modifier 2	79.2	NADSYN1	9	145.45	16.161
57	Q9NUQ9	Protein FAM49B	44.2	RRAGC	9.3	145.35	15.629
58	Q13185	Chromobox protein homolog 3	34.2	CYB5R3	9.3	145.35	15.629
59	P20702	Integrin α -X	32.1	PNP	9.5	145.3	15.295
60	P61586	Transforming protein RhoA	64.2	GALNT1	9.6	145.15	15.120
61	P25787	Proteasome subunit α type-2	26.7	RPS3	9.8	145.1	14.806
62	Q9UJ68-1	Mitochondrial peptide methionine sulfoxide reductase	127.7	ITGAX	9.8	145.05	14.801
63	P83731	60S ribosomal protein L24	20.8	RAP1B	10	144.95	14.495
64	P51606-1	N-acylglucosamine 2-epimerase	16.2	CDA	10.3	144.85	14.063
65	Q13510	Acid ceramidase	32.9	FCN3	10.3	144.85	14.063
66	Q96IY4	Carboxypeptidase B2	21.8	RHOA	10.5	144.75	13.786
67	P23469	Receptor-type tyrosine-protein phosphatase epsilon	44.6	ASAH1	10.5	144.7	13.781
68	P27824	Calnexin	79.4	NHLRC2	10.7	144.7	13.523
69	Q9BVC6	Transmembrane protein 109	47.7	AHCY	10.7	144.65	13.519
70	Q92544	Transmembrane 9 superfamily member 4	20.9	UBE2M	10.8	144.6	13.389
71	P25786-1	Proteasome subunit α type-1	102.4	COPB2	10.8	144.6	13.389
72	P31946	14-3-3 protein β/α	32	ASRGL1	10.9	144.55	13.261
73	O75636-1	Ficolin-3	16.3	HSPB11	11	144.45	13.132
74	P00558	phosphoglycerate kinase 1	16	HBD	11.2	144.4	12.893
75	Q92930	Ras-related protein Rab-8B	12.3	ERH	11.3	144.4	12.779
76	P19971	thymidine phosphorylase	50.9	IDH2	11.3	144.35	12.774
77	Q8NC56-1	LEM domain-containing protein 2	28.8	ANP32B	11.7	144.15	12.321
78	P61081	NEDD8-conjugating enzyme Ubc12	56.9	LEMD2	11.9	144.05	12.105
79	O14818-1	Proteasome subunit α type-7	23.3	PSMB9	12	144	12.000
80	Q6IA69	glutamine-dependent NAD(+) synthetase	45.2	HP	12.1	144	11.901
81	P69905	Hemoglobin subunit α	33.2	MPST	12.2	143.9	11.795
82	P23396-1	40S ribosomal protein S3	33.8	HAGH	12.3	143.9	11.699
83	O95197-3	Isoform 3 of Reticulon-3	16	HBB	12.3	143.85	11.695
84	P01137	Transforming growth factor β -1	29.9	RPS3A	12.6	143.7	11.405
85	P01714	Immunoglobulin lambda variable 3-19	24	HMGB2	12.6	143.65	11.401
86	P49913	cathelicidin antimicrobial peptide	26.1	MSRA	12.6	143.65	11.401
87	P14866	Heterogeneous nuclear ribonucleoprotein L	18	PPIA	12.7	143.65	11.311
88	P02042	Hemoglobin subunit δ	48.4	CPB2	12.7	143.65	11.311
89	P80723	Brain acid soluble protein 1	25.2	FKBP3	13	143.55	11.042
90	Q9Y394	Dehydrogenase/reductase SDR family member 7	18.7	PTGES3	13	143.5	11.038
91	P22626	Heterogeneous nuclear ribonucleoproteins A2/B1	15.2	HBA2; HBA1	13.1	143.45	10.950

Table SI. Continued.

No.	Accession no.	Description [OS= <i>Homo sapiens</i>]	MW, kDa	Gene symbol	Abundance N, average	Abundance PT, average	Fold change, PT vs. N
92	P28070	Proteasome subunit β type-4	99.6	CBL	13.2	143.4	10.864
93	Q9H3N1	Thioredoxin-related transmembrane protein 1	23.9	RAB14	13.3	143.35	10.778
94	Q6P1N9-1	Putative deoxyribonuclease TATDN1	129.6	ATP8A1	13.3	143.35	10.778
95	Q14677-1	Clathrin interactor 1	55	UGDH	13.3	143.3	10.774
96	O15162	Phospholipid scramblase 1	22.5	RAB10	13.5	143.3	10.615
97	Q9Y2T2	Ap-3 complex subunit mu-1	44.3	TGFB1	13.8	143.15	10.373
98	P17213	Bactericidal permeability-increasing protein	74.5	TM9SF4	13.8	143.1	10.370
99	Q00577	Transcriptional activator protein Pur- α	61.2	SNX27	13.8	143.1	10.370
100	P51858	Hepatoma-derived growth factor	10.8	SNRPE	14	143	10.214
101	Q9HDC9	Adipocyte plasma membrane-associated protein	51	CORO1A	14.1	142.95	10.138
102	P35606	Coatomer subunit β'	43.8	PA2G4	14.1	142.95	10.138
103	Q1KMD3	Heterogeneous nuclear ribonucleoprotein U-like protein 2	46.8	SSB	14.1	142.95	10.138
104	P28065	Proteasome subunit β type-9	18.5	CFL1	14.2	142.9	10.063
105	P21730	C5a anaphylatoxin chemotactic receptor 1	57.5	NAPRT1; NAPRT	14.4	142.8	9.917
106	P58546	Myotrophin	37.4	HNRNPA2B1	14.6	142.7	9.774
107	Q9P258	Protein RCC2	39.3	C5AR1	14.6	142.7	9.774
108	P62314	Small nuclear ribonucleoprotein Sm D1	49.9	TYMP; SCO2	15	142.55	9.503
109	O14732-1	inositol monophosphatase 2	25.9	PSMA2	15.1	142.45	9.434
110	P25024	C-X-C chemokine receptor type 1	17.3	MAGOHB	15.1	142.45	9.434
111	P56134	ATP synthase subunit f, mitochondrial	53.9	BPI	15.1	142.4	9.430
112	O00764-1	Pyridoxal kinase	22.9	PSMB3	15.3	142.35	9.304
113	P62318	Small nuclear ribonucleoprotein sm d3	25.6	RTN3	15.3	142.35	9.304
114	P62316	Small nuclear ribonucleoprotein Sm D2	16.6	NPC2	15.4	142.3	9.240
115	P02647	Apolipoprotein A-I	34.7	ARG1	15.5	142.25	9.177
116	Q9HB90	Ras-related GTP-binding protein C	28.5	PSMB5	15.5	142.25	9.177
117	P19367-1	Hexokinase-1	67	C8B	15.6	142.25	9.119
118	P16152	Carbonyl reductase [NADPH] 1	39.8	CXCR1	15.7	142.15	9.054
119	P49189	4-trimethylaminobutyraldehyde dehydrogenase	24.3	NUDT5	15.8	142.1	8.994
120	Q16719	Kynureninase	56	RCC2	15.8	142.1	8.994
121	P14625	Endoplasmic	10.9	ATP5J2	15.9	142.05	8.934
122	O14617-1	AP-3 complex subunit δ -1	34.9	PURA	16.1	142	8.820
123	O94903	Pyridoxal phosphate homeostasis protein	21.2	NRAS	16.2	141.9	8.759
124	O96019-1	Actin-like protein 6A	32.6	NPM1	16.2	141.9	8.759
125	P05455	Lupus La protein	22.7	BASP1	16.2	141.9	8.759
126	Q99873	Protein arginine N-methyltransferase 1	23.4	RALB	16.4	141.8	8.646
127	P11413-1	Glucose-6-phosphate 1-dehydrogenase	21.2	CDC42	16.4	141.75	8.643
128	Q9Y2V2	Calcium-regulated heat-stable protein 1	38.4	HNRNPD	16.5	141.7	8.588
129	P14927	Cytochrome b-c1 complex subunit 7	35.2	CD47	16.6	141.7	8.536
130	Q08477-1	Docosahexaenoic acid omega-hydroxylase CYP4F3	30.3	PROSC; PLPBP	16.7	141.65	8.482
131	Q9HD45	Transmembrane 9 superfamily	17.8	RPL24	16.9	141.55	8.376
132	O43813	LanC-like protein 1	19.3	CAMP	17.2	141.4	8.221
133	P30046	D-dopachrome decarboxylase	30.4	CBR1; SETD4	17.3	141.35	8.171
134	P61026	Ras-related protein rab-10	66.2	WDR1	17.4	141.35	8.124
135	P22681	E3 ubiquitin-protein ligase CBL	41.2	SKAP2	17.4	141.35	8.124
136	P05089	Arginase-1	13.9	SNRPD3	17.4	141.3	8.121
137	Q9UHG3	Prenylcysteine oxidase 1	48.8	RENBP	17.6	141.2	8.023

Table SI. Continued.

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138	O60701	UDP-glucose 6-dehydrogenase	68.2	CLINT1	17.6	141.2	8.023
139	P23526-1	Adenosylhomocysteinase	40.4	GNAI2	17.7	141.15	7.975
140	Q99536	Synaptic vesicle membrane protein VAT-1 homolog	71.6	MCAM	17.8	141.1	7.927
141	Q9UHX1-1	Poly(U)-binding-splicing factor PUF60	59.4	FGR	18.1	140.95	7.787
142	P62820	Ras-related protein Rab-1A	59.6	HCK	18.3	140.85	7.697
143	Q86X76	Deaminated glutathione amidase	97	EPB41	18.3	140.85	7.697
144	P52790	Hexokinase-3	80.5	STT3A	18.4	140.8	7.652
145	P02746	Complement C1q subcomponent subunit B	47.4	ACTL6A	18.6	140.7	7.565
146	P02747	Complement C1q subcomponent subunit C	84.1	ADAM10	18.6	140.7	7.565
147	P02654	Apolipoprotein C-I	36.8	UBLCP1	18.8	140.55	7.476
148	P02745	Complement C1q subcomponent subunit A	76.5	CAST	18.9	140.55	7.437
149	Q08722	Leukocyte surface antigen CD47	19.6	COX4I1	18.9	140.55	7.437
150	Q6XQN6-1	Nicotinate phosphoribosyltransferase	67.5	CANX	18.9	140.5	7.434
151	Q9P016	Thymocyte nuclear protein 1	45.3	LANCL1	19	140.55	7.397
152	P43307	Translocon-associated protein subunit α	10.8	LSM2	19	140.5	7.395
153	Q9P0L0	vesicle-associated membrane protein-associated protein A	29.5	PSMA4	19.1	140.45	7.353
154	Q6UWY2	Serine protease 57	114.7	ATP2A2	19.1	140.45	7.353
155	Q99436	Proteasome subunit β type-7	34.1	RBKS	19.1	140.45	7.353
156	P62304	Small nuclear ribonucleoprotein E	16.8	NUDT2	19.2	140.4	7.313
157	P27169	Serum paraoxonase/arylesterase 1	13.3	SNRPD1	19.2	140.4	7.313
158	P08754	Guanine nucleotide-binding protein G(k) subunit α	32.2	MLEC	19.2	140.4	7.313
159	P27694	Replication protein A 70 kDa DNA-binding subunit	44.6	PGK1	19.3	140.35	7.272
160	Q6ZN66	Guanylate-binding protein 6	27.9	PSMA7	19.3	140.35	7.272
161	O75563	src kinase-associated phosphoprotein 2	38.3	DHRS7	19.5	140.3	7.195
162	Q16186	Proteasomal ubiquitin receptor ADRM1	53.8	TMPRSS2	19.5	140.25	7.192
163	Q00688	peptidyl-prolyl cis-trans isomerase FKBP3	39.8	VASP	19.6	140.2	7.153
164	P53990-1	IST1 homolog	26.8	HDGF	19.9	140.05	7.038
165	Q14210	Lymphocyte antigen 6D	85.1	HNRNPUL2	20	140	7.000
166	Q96L92	Sorting nexin-27	72.4	GBP6	20	140	7.000
167	Q9H0P0-1	Isoform 1 of Cytosolic 5'-nucleotidase 3A	56.3	ALDH2	20.2	139.9	6.926
168	O75347	Tubulin-specific chaperone A	12.7	DDT	20.4	139.8	6.853
169	Q9H3S4	Thiamin pyrophosphokinase 1	12.8	TBCA	20.4	139.8	6.853
170	Q14103	heterogeneous nuclear ribonucleoprotein D0	41.9	VAT1	20.5	139.8	6.820
171	P08631-1	Tyrosine-protein kinase HCK	69.9	XPNPEP1	20.5	139.7	6.815
172	Q5JS37	NHL repeat-containing protein 3	52.3	KYNU	20.6	139.75	6.784
173	P11171-1	protein 4.1	46.6	IDH1	20.7	139.6	6.744
174	O15393	Transmembrane protease serine 2	90.5	HNRNPU	20.8	139.6	6.712
175	Q92542-1	Nicastrin	42.1	ADRM1	20.9	139.55	6.677
176	Q7L266	isoaspartyl peptidase/L-asparaginase	70.6	HGFAC	21	139.55	6.645
177	O43760	Synaptogyrin-2	46.5	APMAP	21	139.5	6.643
178	Q9Y277	Voltage-dependent anion-selective channel protein 3	102.4	HK1	21.2	139.4	6.575
179	P51991-1	Heterogeneous nuclear ribonucleoprotein A3	38.9	ERLIN1	21.3	139.35	6.542
180	P35475	α -L-iduronidase	27.2	TPK1	21.3	139.35	6.542
181	O96000	NADH dehydrogenase [ubiquinone] 1 β subcomplex subunit 10	13.5	SNRPD2	21.5	139.25	6.477

Table SI. Continued.

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182	P60953	Cell division control protein 42 homolog	38.3	NHLRC3	21.5	139.25	6.477
183	O75477	Erlin-1	70.9	HNRNPR	21.5	139.2	6.474
184	Q00839	Heterogeneous nuclear U ribonucleoprotein	35.1	PDXK	21.6	139.2	6.444
185	O95210	Starch-binding domain-containing protein 1	130.1	AP3D1	21.6	139.2	6.444
186	P00387	NADH-cytochrome b5 reductase 3	35.9	NIT1	21.7	139.15	6.412
187	P02511	A-crystallin B chain	32.2	SSR1	21.7	139.15	6.412
188	Q8TCT9-1	Minor histocompatibility antigen H13	9.3	APOC1	21.7	139.1	6.410
189	P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	40.5	GNAI3	21.7	139.1	6.410
190	O14672	Disintegrin and metalloproteinase domain-containing protein 10	20.8	NDUFB10	21.9	139.05	6.349
191	P13073	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	24.4	TIMP2	22.2	138.9	6.257
192	P43121	Cell surface glycoprotein MUC18	12	IGLV3-19	22.4	138.8	6.196
193	Q14165	Malectin	12.9	LUZP6; MTPN	22.5	138.75	6.167
194	Q13492-1	Phosphatidylinositol-binding clathrin assembly protein	32.4	SDCBP	22.6	138.75	6.139
195	P09467	Fructose-1,6-bisphosphatase 1	26	C1QA	22.6	138.7	6.137
196	P10155-1	60 kDa SS-A/Ro ribonucleoprotein	60.6	TROVE2	22.6	138.7	6.137
197	P28074-1	Proteasome subunit β type-5	29.2	PSMB4	23.1	138.45	5.994
198	Q13636	Ras-related protein rab-31	24.8	SYNGR2	23.1	138.4	5.991
199	Q16762	Thiosulfate sulfurtransferase	25.7	THYN1	23.2	138.35	5.963
200	P24666-1	Low molecular weight phosphotyrosine protein phosphatase	39.7	IST1	23.5	138.2	5.881
201	Q9NQW7-1	Xaa-Pro aminopeptidase 1	53.2	CORO1C	23.7	138.1	5.827
202	Q9ULV4	Coronin-1C	10.9	SUMO2	23.7	138.1	5.827
203	P23246-1	Splicing factor, proline- and glutamine-rich	57	VNN1	23.8	138.1	5.803
204	P01111	GTPase NRas	125.4	CD163	23.9	138.05	5.776
205	P50583	Bis(5'-nucleosyl)-tetraphosphatase [asymmetrical]	30.8	APOA1	24.1	137.95	5.724
206	O00560-1	Syntenin-1	35.7	KCTD12	24.2	137.95	5.700
207	P48735	Isocitrate dehydrogenase [NADP], mitochondrial	13.5	UQCRB	24.2	137.9	5.698
208	Q8WVY7	Ubiquitin-like domain-containing CTD phosphatase 1	22.7	RAB1A	24.5	137.75	5.622
209	P05091	Aldehyde dehydrogenase, mitochondrial	59.2	G6PD	24.7	137.65	5.573
210	Q96A72	Protein mago nashi homolog 2	29.9	PSMB7	25	137.5	5.500
211	P62269	40S ribosomal protein S18	13.3	LY6D	25	137.5	5.500
212	Q06323-1	Proteasome activator complex subunit 1	54.7	F10	25	137.5	5.500
213	P46977	Dolichyl-diphosphooligosaccharide-protein glycosyltransferase subunit STT3A	27.9	VAPA	25.2	137.45	5.454
214	O43684	Mitotic checkpoint protein BUB3	41.5	HM13	25.7	137.15	5.337
215	P09769	Tyrosine-protein kinase Fgr	17.7	RPS18	25.9	137.05	5.292
216	Q9H477	Ribokinase	56.6	PCYOX1	26	136.95	5.267
217	O43390-1	Heterogeneous nuclear ribonucleoprotein r	29.5	PSMA1	26.1	136.95	5.247
218	P00742	Coagulation factor X	37.1	BUB3	26.2	136.9	5.225
219	O95497	Pantetheinase	64.1	HNRNPL	26.3	136.85	5.203
220	P48444	Coatomer subunit δ	39	STBD1	26.3	136.85	5.203
221	Q86VB7-1	Scavenger receptor cysteine-rich type 1 protein M130	26.7	C1QB	26.4	136.8	5.182
222	P07358	Complement component C8 β chain	25.8	C1QC	26.4	136.8	5.182
223	A0M8Q6	Immunoglobulin lambda constant 7	41.5	PRMT1	26.5	136.75	5.160

Table SI. Continued.

No.	Accession no.	Description [OS= <i>Homo sapiens</i>]	MW, kDa	Gene symbol	Abundance N, average	Abundance PT, average	Fold change, PT vs. N
224	P50552	Vasodilator-stimulated phosphoprotein	33.6	TATDN1	26.8	136.6	5.097
225	Q04756	Hepatocyte growth factor activator	92.4	HSP90B1	26.8	136.6	5.097
226	P16035	Metalloproteinase inhibitor 2	30.3	PRSS57	26.8	136.6	5.097
227	Q9Y2Q0-3	Isoform 3 of Phospholipid-transporting ATPase IA	31.8	TMX1	27.2	136.4	5.015
228	Q5T6V5	queuosine salvage protein	20.1	CRYAB	27.2	136.4	5.015

MW, molecular weight; N, normal group of healthy individuals; PT, periodontitis group; OS, organism.

Table SII. List of downregulated proteins in the gingival crevicular fluid of patients with periodontitis.

No.	Accession no.	Description [OS= <i>Homo sapiens</i>]	MW, kDa	Gene symbol	Abundance N, average	Abundance PT, average	Fold change, PT vs. N
1	Q9NSB4	Keratin, type II cuticular Hb2	56.6	KRT82	296	2.05	0.007
2	O76013-1	Keratin, type I cuticular Ha6	52.2	KRT36	296.8	3.2	0.011
3	P36957	Dihydropolypyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	48.7	DLST	291.8	4.1	0.014
4	Q92764	Keratin, type I cuticular Ha5	50.3	KRT35	290.2	4.9	0.017
5	P01877	Immunoglobulin heavy constant α 2	36.6	IGHA2	287	6.5	0.023
6	Q8TAT6-1	Nuclear protein localization protein 4 homolog	68.1	NPLOC4	279.3	10.35	0.037
7	Q13231-1	Chitotriosidase-1	51.6	CHIT1	274.1	12.95	0.047
8	P01033	Metalloproteinase inhibitor 1	23.2	TIMP1	263.7	18.15	0.069
9	Q9HC84	Mucin-5B	596	MUC5B	262.6	18.75	0.071
10	P22102-1	Trifunctional purine biosynthetic protein adenosine-3	107.7	GART	258.7	20.65	0.080
11	P22079	Lactoperoxidase	80.2	LPO	258.6	20.7	0.080
12	Q6P5S2	Protein LEG1 homolog	37.9	C6orf58	255.5	22.25	0.087
13	P01833	Polymeric immunoglobulin receptor	83.2	PIGR	252.2	23.9	0.095
14	P28325	Cystatin-D	16.1	CST5	251.1	24.5	0.098
15	Q9Y6R7	IgGfC-binding protein	571.6	FCGBP	249.5	25.25	0.101
16	Q14126	Desmoglein-2	122.2	DSG2	248.5	25.7	0.103
17	Q8NCW5	NAD(P)H-hydrate epimerase	31.7	APOA1BP; NAXE	271.7	28.3	0.104
18	Q15323	Keratin, type I cuticular Ha1	47.2	KRT31	246.8	26.6	0.108
19	A6NCN2	Putative keratin-87 protein	29.1	KRT121P; KRT87P	270.4	29.6	0.109
20	Q9UGM3-1	Deleted in malignant brain tumors 1 protein	260.6	DMBT1	244.9	27.55	0.112
21	P80303	Nucleobindin-2	50.2	NUCB2	244.4	27.8	0.114
22	Q9NZM1	Myoferlin	234.6	MYOF	243.5	28.25	0.116
23	P30520	Adenylosuccinate synthetase isozyme 2	50.1	ADSS	241.9	29.05	0.120
24	Q96DA0	Zymogen granule protein 16 homolog B	22.7	ZG16B	239.5	30.25	0.126
25	O95678	Keratin, type II cytoskeletal 75	59.5	KRT75	265.9	34.1	0.128
26	P62826	GTP-binding nuclear protein RAN	24.4	RAN	238.5	30.75	0.129
27	A0A0B4J1Y8	Immunoglobulin lambda variable 9-49	13	IGLV9-49	236.6	31.7	0.134
28	Q9UKR0-1	Kallikrein-12	26.7	KLK12	236.4	31.85	0.135
29	A0A0B4J1V6	Immunoglobulin heavy variable 3-73	12.8	IGHV3-73	235.3	32.35	0.137
30	P04745	α -amylase 1	57.7	AMY1A; AMY1C; AMY1B	234.7	32.65	0.139
31	Q9BQR3	Serine protease 27	31.9	PRSS27	233.8	33.1	0.142
32	Q6NVY1	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial	43.5	HIBCH	232	33.95	0.146
33	P51665	26S proteasome non-ATPase regulatory subunit 7	37	PSMD7	230.8	34.6	0.150
34	P07108	Acyl-CoA-binding protein	10	DBI	229.7	35.15	0.153
35	O43790	Keratin, type II cuticular Hb6	53.5	KRT86	228.2	35.85	0.157
36	Q9UBX7-1	Isoform 1 of Kallikrein-11	27.4	KLK11	226.8	36.6	0.161
37	P01591	Immunoglobulin J chain	18.1	IGJ; JCHAIN	226.5	36.7	0.162
38	P10586-1	Receptor-type tyrosine-protein phosphatase F	212.7	PTPRF	222.3	38.8	0.175
39	P41222	Prostaglandin-H2 D-isomerase	21	PTGDS	220.6	39.7	0.180
40	Q9NYQ8	Protocadherin Fat 2	479	FAT2	253.7	46.3	0.182
41	Q14525	Keratin, type I cuticular Ha3-II	46.2	KRT33B	217.1	41.5	0.191
42	P67936-2	Isoform 2 of Tropomyosin α -4 chain	32.7	TPM4	216.6	41.7	0.193
43	O95817	BAG family molecular chaperone regulator 3	61.6	BAG3	249.9	50.1	0.200

Table SII. Continued.

No.	Accession no.	Description [OS= <i>Homo sapiens</i>]	MW, kDa	Gene symbol	Abundance N, average	Abundance PT, average	Fold change, PT vs. N
44	Q8WVQ1	Soluble calcium-activated nucleotidase 1	44.8	CANT1	213.8	43.1	0.202
45	P19021-1	Peptidyl-glycine α -amidating monooxygenase	108.3	PAM	211.5	44.25	0.209
46	Q15661	Tryptase α/β -1	30.5	TPSAB1; TPSB2	211	44.5	0.211
47	P78386	Keratin, type II cuticular Hb5	55.8	KRT85	210.9	44.55	0.211
48	P08670	Vimentin	53.6	VIM	208.9	45.55	0.218
49	P39900	Macrophage metalloelastase	54	MMP12	208	46	0.221
50	P11169	Solute carrier family 2, facilitated glucose transporter member 3	53.9	SLC2A3	205.8	47.05	0.229
51	P09104	Γ -enolase	47.2	ENO2	203.1	48.45	0.239
52	P12109	Collagen α -1(VI) chain	108.5	COL6A1	202.8	48.65	0.240
53	O15400	Syntaxin-7	29.8	STX7	202.7	48.65	0.240
54	P07711	Cathepsin L1	37.5	CTSL; CTSL1	200.7	49.65	0.247
55	O00468	Agrin	217.1	AGRN	200.6	49.65	0.248
56	P01703	Immunoglobulin lambda variable 1-40	12.3	IGLV1-40	199	50.5	0.254
57	Q8NBJ7-1	Sulfatase-modifying factor 2	33.8	SUMF2	198.8	50.55	0.254
58	Q92614-1	Unconventional myosin-XVIIIa	233	MYO18A	198.8	50.6	0.255
59	Q9Y624	Junctional adhesion molecule A	32.6	F11R	198.5	50.75	0.256
60	P38646	Stress-70 protein, mitochondrial	73.6	HSPA9	198.2	50.9	0.257
61	P04080	Cystatin-B	11.1	CSTB	198.1	51	0.257
62	Q9H1Z4	WD repeat-containing protein 13	53.7	WDR13	198	51	0.258
63	P13797	Plastin-3	70.8	PLS3	195.6	52.15	0.267
64	Q13753-1	Laminin subunit γ -2	130.9	LAMC2	195.5	52.25	0.267
65	P08727	Keratin, type I cytoskeletal 19	44.1	KRT19	195.4	52.3	0.268
66	Q02413	Desmoglein-1	113.7	DSG1	194.8	52.6	0.270
67	Q96NY8	Nectin-4	55.4	PVRL4; NECTIN4	194.1	52.9	0.273
68	P54725-1	UV excision repair protein RAD23 homolog A	39.6	RAD23A	192.8	53.6	0.278
69	P59998	Actin-related protein 2/3 complex subunit 4	19.7	ARPC4	192.1	53.95	0.281
70	Q9Y4L1	Hypoxia up-regulated protein 1	111.3	HYOU1	190.3	54.9	0.288
71	P0C0L4-1	Complement C4-A	192.7	C4A; C4B	189.2	55.4	0.293
72	P49257	Protein ERGIC-53	57.5	LMAN1	189	55.5	0.294
73	Q13404	Ubiquitin-conjugating enzyme E2 variant 1	16.5	UBE2V1; TMEM189-UBE2V1	188.9	55.55	0.294
74	Q14515	SPARC-like protein 1	75.2	SPARCL1	188.4	55.85	0.296
75	Q93091	Ribonuclease K6	17.2	RNASE6	188	56	0.298
76	O43396	Thioredoxin-like protein 1	32.2	TXNL1	187.9	56	0.298
77	P01023	α -2-macroglobulin	163.2	A2M	187.3	56.35	0.301
78	Q9UBS4	DnaJ homolog subfamily B member 11	40.5	DNAJB11	186.7	56.7	0.304
79	P00746	Complement factor D	27	CFD	186.3	56.85	0.305
80	A0A0C4DH43	Immunoglobulin heavy variable 2-70D	13.3	IGHV2-70D	185.6	57.2	0.308
81	Q16851	UTP-glucose-1-phosphate uridylyltransferase	56.9	UGP2	183.9	58.05	0.316
82	Q9ULC6	Protein-arginine deiminase type-1	74.6	PADI1	183.7	58.15	0.317
83	Q13287	N-myc-interactor	35	NMI	183.6	58.2	0.317
84	P05362	Intercellular adhesion molecule 1	57.8	ICAM1	182.9	58.55	0.320
85	Q9Y5Y6	Suppressor of tumorigenicity 14 protein	94.7	ST14	182.7	58.65	0.321
86	Q9BS40	Latexin	25.7	LXN	182.5	58.75	0.322
87	P22223-1	Cadherin-3	91.4	CDH3	182	59	0.324
88	P01876	Immunoglobulin heavy constant α 1	37.6	IGHA1	181.7	59.2	0.326
89	Q15084-1	Protein disulfide-isomerase A6	48.1	PDIA6	181.1	59.45	0.328
90	Q96PD5	N-acetylmuramoyl-L-alanine amidase	62.2	PGLYRP2	180.4	59.75	0.331
91	P25311	Zinc- α -2-glycoprotein	34.2	AZGP1	179.3	60.35	0.337

Table SII. Continued.

No.	Accession no.	Description [OS= <i>Homo sapiens</i>]	MW, kDa	Gene symbol	Abundance N, average	Abundance PT, average	Fold change, PT vs. N
92	P38606	V-type proton ATPase catalytic subunit A	68.3	ATP6V1A	177.1	61.4	0.347
93	P0DOX3	Immunoglobulin δ heavy chain	56.2		176	62	0.352
94	Q14508	WAP four-disulfide core domain protein 2	13	WFDC2	176	62.05	0.353
95	Q14980-1	Nuclear mitotic apparatus protein 1	238.1	NUMA1	175.5	62.25	0.355
96	O00233-1	26S proteasome non-ATPase regulatory subunit 9	24.7	PSMD9	173.5	63.3	0.365
97	P09960-1	Leukotriene A-4 hydrolase	69.2	LTA4H	173.3	63.3	0.365
98	P47929	galectin-7	15.1	LGALS7; LGALS7B	173.2	63.4	0.366
99	Q02487	Desmocollin-2	99.9	DSC2	173.2	63.4	0.366
100	Q9NRD1	F-box only protein 6	33.9	FBXO6	172.9	63.55	0.368
101	P01834	Immunoglobulin κ constant	11.8	IGKC	172.6	63.7	0.369
102	P32926	Desmoglein-3	107.5	DSG3	170.8	64.6	0.378
103	P15814	Immunoglobulin lambda-like polypeptide 1	22.9	IGLL1	169.8	65.1	0.383
104	P43034	Platelet-activating factor acetylhydrolase IB subunit α	46.6	PAFAH1B1	168.8	65.6	0.389
105	Q6ZVX7	F-box only protein 50	30.8	NCCRP1	166.9	66.55	0.399
106	P36551	Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial	50.1	CPOX	166.8	66.55	0.399
107	P12273	Prolactin-inducible protein	16.6	PIP	166.3	66.85	0.402
108	Q14764	major vault protein	99.3	MVP	166.2	66.9	0.403
109	P01766	Immunoglobulin heavy variable 3-1	12.5	IGHV3-13	165.7	67.15	0.405
110	Q9NRV9	Heme-binding protein 1	21.1	HEBP1	165.5	67.25	0.406
111	Q96RM1	Small proline-rich protein 2F	7.8	SPRR2F	165.3	67.35	0.407
112	P01700	Immunoglobulin lambda variable 1-47	12.3	IGLV1-47	164.7	67.65	0.411
113	Q8WVV4-1	Isoform 1 of Protein POF1B	68.7	POF1B	164.6	67.7	0.411
114	P98160	Basement membrane-specific heparan sulfate proteoglycan core	468.5	HSPG2	164.2	67.9	0.414
115	P43490	Nicotinamide phosphoribosyltransferase	55.5	NAMPT	164.2	67.9	0.414
116	P01780	Immunoglobulin heavy variable 3-7	12.9	IGHV3-7	163.7	68.15	0.416
117	P55008-1	Allograft inflammatory factor 1	16.7	AIF1	163.7	68.2	0.417
118	Q71U36	tubulin α -1A chain	50.1	TUBA1A	163.1	68.45	0.420
119	P0DOX2	Immunoglobulin α -2 heavy chain	48.9		162.9	68.55	0.421
120	Q13162	Peroxiredoxin-4	30.5	PRDX4	162.6	68.7	0.423
121	Q8TAX7	Mucin-7	39.1	MUC7	162.6	68.7	0.423
122	P12111	Collagen α -3(VI) chain	343.5	COL6A3	161.8	69.1	0.427
123	P21128	Poly(U)-specific endoribonuclease	46.8	ENDOU	161.5	69.25	0.429
124	Q12805	EGF-containing fibulin-like extracellular matrix protein 1	54.6	EFEMP1	160.5	69.75	0.435
125	Q9H4M9	EH domain-containing protein 1	60.6	EHD1	160.2	69.9	0.436
126	Q86YT9-1	Junctional adhesion molecule-like	44.3	AMICA1; JAML	159.5	70.25	0.440
127	O95861-1	3'(2'),5'-bisphosphate nucleotidase 1	33.4	BPNT1	159.5	70.3	0.441
128	Q9NZP8	Complement C1r subcomponent-like protein	53.5	C1RL	158.1	70.95	0.449
129	Q9Y5Y7	Lymphatic vessel endothelial hyaluronan receptor 1	35.2	LYVE1	155.3	72.35	0.466
130	A8K2U0	A-2-macroglobulin-like protein 1	161	A2ML1	155.3	72.4	0.466
131	P01019	Angiotensinogen	53.1	AGT	155.1	72.45	0.467
132	P08519	Apolipoprotein(a)	501	LPA	154.6	72.65	0.470
133	P36222	Chitinase-3-like protein 1	42.6	CHI3L1	153.7	73.1	0.476
134	Q08257	Quinone oxidoreductase	35.2	CRYZ	153.6	73.25	0.477
135	Q9H6S3	epidermal growth factor receptor kinase substrate 8-like protein 2	80.6	EPS8L2	153.4	73.3	0.478

Table SII. Continued.

No.	Accession no.	Description [OS= <i>Homo sapiens</i>]	MW, kDa	Gene symbol	Abundance N, average	Abundance PT, average	Fold change, PT vs. N
136	Q8WUM4	Programmed cell death 6-interacting protein	96	PDCD6IP	151.6	74.2	0.489
137	P02766	Transthyretin	15.9	TTR	151.3	74.35	0.491
138	P32119	Peroxiredoxin-2	21.9	PRDX2	151	74.5	0.493

MW, molecular weight; N, normal group of healthy individuals; PT, periodontitis group; OS, organism.