

SupplementalTable 1: proteases significantly expressed above background divided by their catalytic class.

Number	Symbol	ENTREZ_GENE_ID	GENE NAME (ENTREZ)
Aspartic proteases			
1	CTSD	1509	cathepsin D
2	PGA5	5222	pepsinogen 5, group I (pepsinogen A)
3	REN	5972	renin
Cystein proteases			
1	CTSC	1075	cathepsin C
2	CTSF	8722	cathepsin F
3	CTSH	1512	cathepsin H
4	CTSW	1521	cathepsin W
5	PARK7	11315	parkinson protein 7
6	OTUB1	55611	OTU deubiquitinase, ubiquitin aldehyde binding 1
7	USP14	9097	ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)
8	USP4	7375	ubiquitin specific peptidase 4 (proto-oncogene)
Metalloproteases			
1	ACE	1636	angiotensin I converting enzyme
2	ADAM8	101	ADAM metallopeptidase domain 8
3	ADAM15	8751	ADAM metallopeptidase domain 15
4	ADAM19	8728	ADAM metallopeptidase domain 19
5	AFG3L2	10939	AFG3-like AAA ATPase 2
6	AMSH	10617	STAM binding protein
7	ANPEP	290	alanyl aminopeptidase, membrane
8	C9orf3	84909	chromosome 9 open reading frame 3
9	BMP1	649	bone morphogenetic protein 1
10	CPD	1362	carboxypeptidase D
11	CPM	1368	carboxypeptidase M
12	CPZ	8532	carboxypeptidase Z
13	DPEP1	1800	dipeptidase 1
14	ECE1	1889	endothelin converting enzyme 1
15	ENPEP	2028	glutamyl aminopeptidase
16	FACE2	9986	Ras converting CAAX endopeptidase 1

17	MME	4311	membrane metallo-endopeptidase
18	MMP7	4316	matrix metallopeptidase 7
19	MMP11	4320	matrix metallopeptidase 11
20	MMP14	4323	matrix metallopeptidase 14
21	MMP15	4324	matrix metallopeptidase 15
22	MMP25	64386	matrix metallopeptidase 25
23	NPEPPS	9520	aminopeptidase puromycin sensitive
24	PAPPA	5069	pregnancy-associated plasma protein A, pappalysin 1
25	PEPD	5184	peptidase D
26	PGCP	10404	carboxypeptidase Q
27	RNPEP	6051	arginyl aminopeptidase (aminopeptidase B)
28	XPNPEP2	7512	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound

Serine proteases

1	ACR	49	acrosin
2	C1R	715	complement component 1, r subcomponent
3	C1S	716	complement component 1, s subcomponent
4	CFI	3426	complement factor I
5	CMA1	1215	chymase 1, mast cell
6	CTSG	1511	cathepsin G
7	ELA2A	63036	chymotrypsin like elastase family member 2A
8	F7	2155	coagulation factor VII
9	HPN	3249	hepsin
10	HTRA1	5654	HtrA serine peptidase 1
11	KLK13	26085	kallikrein related peptidase 13
12	KLK6	5653	kallikrein related peptidase 6
13	KLKB1	3818	kallikrein B1
14	LTF	4057	lactotransferrin
15	MASP2	10747	mannan-binding lectin serine peptidase 2
16	MST1	4485	macrophage stimulating 1
17	PCSK3	5045	proprotein convertase subtilisin/kexin type 3
18	PCSK6	5046	proprotein convertase subtilisin/kexin type 6
19	PLAT	5327	plasminogen activator, tissue
20	PLAU	5328	plasminogen activator, urokinase

21	PLG	5340	plasminogen
22	PRCP	5547	prolylcarboxypeptidase
23	PROC	5624	protein C, inactivator of coagulation factors Va and VIIIa
24	PRSS8	5652	protease, serine 8
25	PRSS22	64063	protease, serine 22
26	RHBDL	9028	rhomboid, veinlet-like 1 (Drosophila)
27	SEC11A	23478	SEC11 homolog A, signal peptidase complex subunit
28	ST14	6768	suppression of tumorigenicity 14
29	TMPRSS6	164656	transmembrane protease, serine 6
30	TPP1	1200	tripeptidyl peptidase I
Threonine proteases			
1	GGT1	2678	gamma-glutamyltransferase 1