

Supplemental Material

Table S1. Remaining 32 peptidases/proteases identified by mass spectrometry analysis.

Peptidase /Protease	Rank	Access. #	Name	Size	A	B	C	D
Aspartocyclase 2	289	Q8R3PO	Aspa	35	11	14	17	51%
Tripeptidyl-peptidase 1	298	O89023	Tpp1	61	3	3	15	13%
Caspase 6	299	O08738	Casp6	32	8	10	12	30%
Complement component 2	331	B8JJNO	GM20547	142	12	14	15	13%
Cathepsin A	335	P16675	Ctsa	54	7	10	13	20%
Proteasome activator complex subunit 1	390	P97371	Psme1	29	6	7	10	41%
Ubiquitin specific peptidase 39	382	Q3TIX9	Usp39	65	10	10	11	23%
Lon protease homolog	393	Q8CGK3	Lonp1	106	7	10	10	10%
Aminopeptidase N	434	P97449	Anpep	110	4	4	5	11%
Cathepsin D	446	P18242	Ctsd	45	6	7	8	23%
Aspartoacylase 3	455	Q91XE4	Acy3	35	6	7	7	38%
Ubiquitin conjugating enzyme E2 variant 3	471	Q3U1V6	Uevld	52	5	6	9	14%
Methionine aminopeptidase	488	Q8BP48	Metap1	43	7	7	7	31%
26S proteasome non-ATP regulatory subunit 8	512	Q9CX56	Psmd8	40	4	6	7	26%
Proteasome activator complex subunit 2	517	P97372	Psme2	27	3	5	8	17%
Caspase 9	542	Q8C3Q9	Casp9	50	5	5	5	20%
Carboxypeptidase Q	560	Q9WVJ3	Cpq	52	4	5	6	13%
Angiotensin-converting enzyme 1	591	P09470	Ace	151	4	4	4	4%
Carboxypeptidase B2 (or U)	594	Q9JHH6	Cpb2	49	4	4	4	21%
ER aminopeptidase	616	Q9EQH2	Erap1	107	4	4	5	5%
Proteasome activator complex subunit 3	669	P61290	Psme3	30	4	5	5	20%
Ubiquitin conjugating enzyme E2 variant 1	679	Q9CZY3	Ube2v1	16	3	3	4	24%
Meprin A subunit β	745	Q61847	Mep1b	80	3	3	3	9%
Putative ATP-dependent Clp protease proteolytic subunit	766	O88696	Clpp	30	3	3	3	16%
Mitochondrial intermediate protease	800	A6H611	Mipep	81	2	2	2	3%
Ubiquitin conjugating enzyme E2 N	809	P61089	Ube2n	17	2	3	3	20%
Cathepsin L1	930	P06797	Ctsl1	38	2	3	3	21%
Ubiquitin conjugating enzyme E2 R2	950	Q6ZWZ2	Ube2r2	27	2	2	3	10%
Cathepsin S	991	O70370	Ctss	38	2	2	2	11%
ADAMTS-20	1011	P59511	Adamts20	212	2	2	2	2%
ADAMTS-like protein 4	1045	Q80T21	Adamtsl4	113	2	2	2	4%
ATP-dependent Clp protease ATP binding subunit clpx like	1094	Q9JHS4	Clpx	69	2	2	2	4%

From 1119 proteins identified by MudPIT. Rank = position of the protein in the list sorted by total spectrum count. (A) exclusive unique peptides, (B) exclusive unique spectra, (C) total spectra, and (D) % coverage. The complete list of proteins is available upon request.