

Supplementary Table 5

Clinical relevance of MG132-induced protein aggregates: comparison of the 542 proteins in the aggregates with proteins detected by others in Lewy bodies or the detergent insoluble sub-proteome of Alzheimer post-mortem samples **Table 5a:** Shown are all the proteins detected in the MG132-induced aggregates. Proteins that were detected in the indicated postmortem sample analysis were designated with "1" while the other proteins were designated with "0". **Table 5b:** Shown are the proteins that were detected in the cited papers, but were not in the MG132-induced aggregates. Proteins in italics were found enriched in the aggregates but with low score. References:

1. Proteomic identification of novel proteins in cortical lewy bodies.
Leverenz JB, Umar I, Wang Q, Montine TJ, McMillan PJ, Tsuang DW, Jin J, Pan C, Shin J, Zhu D, Zhang J.
Brain Pathol. 2007 Apr;17(2):139-45.
2. Proteomic identification of novel proteins associated with Lewy bodies.
Xia Q, Liao L, Cheng D, Duong DM, Gearing M, Lah JJ, Levey AI, Peng J.
Front Biosci. 2008 May 1;13:3850-6.
3. Proteomics analysis reveals novel components in the detergent-insoluble subproteome in Alzheimer's disease.
Gozal YM, Duong DM, Gearing M, Cheng D, Hanfelt JJ, Funderburk C, Peng J, Lah JJ, Levey AI.
J Proteome Res. 2009 Nov;8(11):5069-79.

Supplementary Table 5a

Proteins in the the induced aggregates that were detected in the indicated postmortem sample analysis were designated with "1" while the other proteins were designated with "0".

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	Gozal et al. (detergent insol. in AD)
IPI00000816	YWHAE 14-3-3 protein epsilon	1	0	0
IPI00000873	VAR5 Valyl-tRNA synthetase	0	0	0
IPI00000874	PRDX1 Peroxiredoxin-1	0	0	0
IPI00000877	HYOU1 Hypoxia up-regulated protein 1	0	0	0
IPI00001159	GCN1L1 Translational activator GCN1	0	0	0
IPI00001453	INA Alpha-internexin	1	0	0
IPI00001636	ATXN10 Ataxin-10	0	0	0
IPI00001639	KPNB1 Importin subunit beta-1	0	0	0
IPI00001654	PCM1 Isoform 3 of Pericentriolar material 1 protein	0	0	0
IPI00001734	PSAT1 Isoform 1 of Phosphoserine aminotransferase	0	0	0
IPI00001738	NUP88 Nuclear pore complex protein Nup88	0	0	0
IPI00001960	CLIC4 Chloride intracellular channel protein 4	0	0	0
IPI00002134	PSMD5 26S proteasome non-ATPase regulatory subunit 5	0	0	0
IPI00002214	LOC728860;KPNA2 Importin subunit alpha-2	0	0	0
IPI00002375	TMOD1 Tropomodulin-1	0	0	0
IPI00002966	HSPA4 Heat shock 70 kDa protein 4	0	0	0
IPI00003309	POLR2H DNA-directed RNA polymerases I, II, and III subunit RPABC3	0	0	0
IPI00003348	GNB2 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	1	0	0
IPI00003362	HSPA5 HSPA5 protein	0	0	0
IPI00003704	RBM4 Isoform 1 of RNA-binding protein 4	0	0	0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	Gozal et al. (deter- gent insol. in AD)
IPI00003865	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	1	0	0
IPI00003881	HNRNPF Heterogeneous nuclear ribonucleoprotein F	0	0	0
IPI00003918	RPL4 60S ribosomal protein L4	0	0	0
IPI00003923	UMPS Isoform 1 of Uridine 5'-monophosphate synthase	0	0	0
IPI00004233	MKI67 Isoform Long of Antigen KI-67	1	0	0
IPI00004795	CLNS1A Methylosome subunit pICln	0	0	0
IPI00004860	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplas- mic	0	0	0
IPI00004902	ETFB Isoform 1 of Electron transfer flavoprotein subunit beta	0	0	0
IPI00005158	LONP1 Lon protease homolog, mitochondrial	0	0	1
IPI00005198	ILF2 Interleukin enhancer-binding factor 2	0	0	0
IPI00005614	SPTBN1 Isoform Long of Spectrin beta chain, brain 1	1	1	0
IPI00005668	AKR1C2 Aldo-keto reductase family 1 member C2	0	0	0
IPI00005826	HERC2 Probable E3 ubiquitin-protein ligase HERC2	0	0	0
IPI00005969	CAPZA1 F-actin-capping protein subunit alpha-1	0	0	0
IPI00006052	PFDN2 Prefoldin subunit 2	0	0	0
IPI00006181	EIF3D Eukaryotic translation initiation factor 3 subunit D	0	0	0
IPI00006196	NUMA1 Isoform 2 of Nuclear mitotic apparatus protein 1	0	0	0
IPI00006213	PCM1 pericentriolar material 1	0	0	0
IPI00006252	SCYE1 Multisynthetase complex auxiliary component p43	0	0	0
IPI00006379	NOP5/NOP58 Nucleolar protein 5	0	0	0
IPI00006451	NSF Vesicle-fusing ATPase	1	0	0
IPI00006482	ATP1A1 Isoform Long of Sodium/potassium-transporting AT- Pase subunit alpha-1	1	0	0
IPI00006608	APP Isoform APP770 of Amyloid beta A4 protein (Fragment)	1	0	1
IPI00006663	ALDH2 Aldehyde dehydrogenase, mitochondrial	0	0	0
IPI00006754	WDR68 WD repeat-containing protein 68	0	0	0
IPI00006865	SEC22B Vesicle-trafficking protein SEC22b	0	0	0
IPI00007019	PPIL1 Peptidyl-prolyl cis-trans isomerase-like 1	0	0	0
IPI00007146	GIN52 DNA replication complex GINS protein PSF2	0	0	0
IPI00007402	IPO7 Importin-7	0	0	0
IPI00007682	ATP6V1A Vacuolar ATP synthase catalytic subunit A	1	1	0
IPI00007752	TUBB2C Tubulin beta-2C chain	1	0	0
IPI00007765	HSPA9 Stress-70 protein, mitochondrial	0	0	0
IPI00007812	ATP6V1B2 Vacuolar ATP synthase subunit B, brain isoform	0	0	0
IPI00007834	ANK2 Isoform 1 of Ankyrin-2	1	0	1
IPI00007927	SMC2 Isoform 1 of Structural maintenance of chromosomes pro- tein 2	0	0	0
IPI00007928	PRPF8 Pre-mRNA-processing-splicing factor 8	0	0	0
IPI00008240	MARS Methionyl-tRNA synthetase, cytoplasmic	0	0	0
IPI00008380	PPP2CA Serine/threonine-protein phosphatase 2A catalytic sub- unit alpha isoform	0	0	0
IPI00008437	C15orf15 Probable ribosome biogenesis protein RLP24	0	0	0
IPI00008475	HMGCS1 Hydroxymethylglutaryl-CoA synthase, cytoplasmic	0	0	0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	Gozal et al. (deter- gent insol. in AD)
IPI00008477	TPX2 Targeting protein for Xklp2	0	0	0
IPI00008524	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	0	0	0
IPI00008530	RPLP0 60S acidic ribosomal protein P0	0	0	0
IPI00008557	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	0	0	0
IPI00008728	CLPX ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial	0	0	0
IPI00008868	MAP1B Microtubule-associated protein 1B	1	0	0
IPI00008964	RAB1B Ras-related protein Rab-1B	0	0	0
IPI00009010	HSPC152 TRM112-like protein	0	0	0
IPI00009070	HBS1L Isoform 1 of HBS1-like protein	0	0	0
IPI00009104	RUVBL2 RuvB-like 2	0	0	0
IPI00009253	NAPA Alpha-soluble NSF attachment protein	0	0	0
IPI00009315	ACBD3 Golgi resident protein GCP60	0	0	0
IPI00009771	LMNB2 Lamin-B2	0	0	0
IPI00009922	C14orf156 SRA stem-loop-interacting RNA-binding protein, mitochondrial	0	0	0
IPI00010153	RPL23 60S ribosomal protein L23	0	0	0
IPI00010154	GDI1 Rab GDP dissociation inhibitor alpha	0	0	0
IPI00010346	NLN Neurolysin, mitochondrial	0	0	0
IPI00010415	ACOT7 Isoform 1 of Cytosolic acyl coenzyme A thioester hydrolase	0	0	0
IPI00010463	GTPBP1 GTP-binding protein 1	0	0	0
IPI00010720	CCT5 T-complex protein 1 subunit epsilon	0	0	0
IPI00010796	P4HB Protein disulfide-isomerase	0	0	0
IPI00010810	ETFA Electron transfer flavoprotein subunit alpha, mitochondrial	0	0	0
IPI00010896	CLIC1 Chloride intracellular channel protein 1	0	0	0
IPI00011107	IDH2 Isocitrate dehydrogenase [NADP], mitochondrial	1	0	0
IPI00011126	PSMC1 26S protease regulatory subunit 4	0	0	0
IPI00011200	PHGDH D-3-phosphoglycerate dehydrogenase	1	0	0
IPI00011229	CTSD Cathepsin D	0	0	0
IPI00011253	RPS3 40S ribosomal protein S3	0	0	0
IPI00011268	RALY Putative uncharacterized protein (Fragment)	0	0	0
IPI00011421	MLLT11 Protein AF1q	0	0	0
IPI00011454	GANAB Isoform 2 of Neutral alpha-glucosidase AB	0	0	0
IPI00011603	PSMD3 26S proteasome non-ATPase regulatory subunit 3	0	0	0
IPI00011654	TUBB Tubulin beta chain	1	0	0
IPI00011916	JTV1 Multisynthetase complex auxiliary component p38	0	0	0
IPI00012007	AHCY Adenosylhomocysteinase	0	0	0
IPI00012011	CFL1 Cofilin-1	0	0	0
IPI00012048	NME1;NME2 Nucleoside diphosphate kinase A	0	0	0
IPI00012066	PCBP2 poly(rC) binding protein 2 isoform b	0	0	0
IPI00012268	PSMD2 26S proteasome non-ATPase regulatory subunit 2	0	1	0
IPI00012442	G3BP1 Ras GTPase-activating protein-binding protein 1	0	0	0
IPI00012535	DNAJA1 DnaJ homolog subfamily A member 1	0	0	0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	(Lewy bodies)	Gozal et al. (deter- gent insol. in AD)
IPI00012645	SPTBN2 Isoform 1 of Spectrin beta chain, brain 2	0	0		0
IPI00012726	PABPC4 Isoform 1 of Polyadenylate-binding protein 4	0	0		0
IPI00012795	EIF3I Eukaryotic translation initiation factor 3 subunit I	0	0		0
IPI00012837	KIF5B Kinesin-1 heavy chain	0	0		0
IPI00012901	GATA3 Isoform 1 of Trans-acting T-cell-specific transcription fac- tor GATA-3	0	0		0
IPI00012970	PPP6C Serine/threonine-protein phosphatase 6	0	0		0
IPI00013068	EIF3E Eukaryotic translation initiation factor 3 subunit E	0	0		0
IPI00013164	PRPH Isoform 1 of Peripherin	0	0		0
IPI00013174	RBM14 Isoform 1 of RNA-binding protein 14	0	0		0
IPI00013212	CSK Tyrosine-protein kinase CSK	0	0		0
IPI00013214	MCM3 DNA replication licensing factor MCM3	0	0		0
IPI00013296	RPS18;LOC100130553 40S ribosomal protein S18	0	0		0
IPI00013452	EPRS Bifunctional aminoacyl-tRNA synthetase	0	0		0
IPI00013475	TUBB2A Tubulin beta-2A chain	1	0		0
IPI00013508	ACTN1 Alpha-actinin-1	0	0		0
IPI00013683	TUBB3 Tubulin beta-3 chain	1	0		0
IPI00013862	DTYMK;LOC727761 Thymidylate kinase	0	0		0
IPI00013871	RRM1 Ribonucleoside-diphosphate reductase large subunit	0	0		0
IPI00013877	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	0	0		0
IPI00013881	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	0	0		0
IPI00013949	SGTA Small glutamine-rich tetratricopeptide repeat-containing protein alpha	0	0		0
IPI00013981	Yes 1 Proto-oncogene tyrosine-protein kinase Yes	0	0		0
IPI00014177	SEPT2 Septin-2	0	0		0
IPI00014238	KARS Lysyl-tRNA synthetase	0	0		0
IPI00014398	FHL1 Four and a half LIM domains 1 variant	0	0		0
IPI00014577	RAB18 Ras-related protein Rab-18	0	0		0
IPI00014808	PAFAH1B3 Platelet-activating factor acetylhydrolase IB subunit gamma	0	0		0
IPI00015018	PPA1 Inorganic pyrophosphatase	0	0		0
IPI00015029	PTGES3 Prostaglandin E synthase 3	0	0		0
IPI00015897	CHORDC1 Isoform 1 of Cysteine and histidine-rich domain- containing protein 1	0	0		0
IPI00015947	DNAJB1 DnaJ homolog subfamily B member 1	0	0		0
IPI00015953	DDX21 Isoform 1 of Nucleolar RNA helicase 2	0	0		0
IPI00016014	ITM2C Isoform 1 of Integral membrane protein 2C	0	0		0
IPI00016249	FXR1 Isoform 1 of Fragile X mental retardation syndrome-related protein 1	0	0		0
IPI00016342	RAB7A Ras-related protein Rab-7a	0	0		0
IPI00016610	PCBP1 Poly(rC)-binding protein 1	0	0		0
IPI00016910	EIF3CL;EIF3C Eukaryotic translation initiation factor 3 subunit C	0	0		0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	Gozal et al. (deter- gent insol. in AD)
IPI00017617	DDX5 Probable ATP-dependent RNA helicase DDX5	0	0	0
IPI00017855	ACO2 Aconitate hydratase, mitochondrial	0	1	0
IPI00017963	SNRPD2 Small nuclear ribonucleoprotein Sm D2	0	0	0
IPI00018140	SYNCRIP Isoform 1 of Heterogeneous nuclear ribonucleoprotein Q	0	0	0
IPI00018146	YWHAQ 14-3-3 protein theta	1	0	0
IPI00018352	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	1	1	0
IPI00018398	PSMC3 26S protease regulatory subunit 6A	0	0	0
IPI00018465	CCT7 T-complex protein 1 subunit eta	0	0	0
IPI00018931	VPS35 Vacuolar protein sorting-associated protein 35	0	1	0
IPI00019376	SEPT11 Septin-11	0	0	0
IPI00019502	MYH9 Myosin-9	0	0	0
IPI00019912	HSD17B4 Peroxisomal multifunctional enzyme type 2	0	0	0
IPI00019996	SLTM modulator of estrogen induced transcription isoform b	0	0	0
IPI00020196	ARMC6 Armadillo repeat-containing protein 6	0	0	0
IPI00020599	CALR Calreticulin	0	0	0
IPI00020984	CANX Calnexin	1	0	0
IPI00021016	TSFM Isoform 1 of Elongation factor Ts, mitochondrial	0	0	0
IPI00021187	RUVBL1 Isoform 1 of RuvB-like 1	0	0	0
IPI00021263	YWHAZ 14-3-3 protein zeta/delta	1	0	1
IPI00021405	LMNA Isoform A of Lamin-A/C	0	0	0
IPI00021435	PSMC2 26S protease regulatory subunit 7	0	0	0
IPI00021439	ACTB Actin, cytoplasmic 1	1	0	0
IPI00021440	ACTG1 Actin, cytoplasmic 2	0	0	0
IPI00021700	PCNA Proliferating cell nuclear antigen	0	0	0
IPI00021831	PRKAR1A cAMP-dependent protein kinase type I-alpha regula- tory subunit	0	0	0
IPI00021840	RPS6 40S ribosomal protein S6	0	0	0
IPI00021926	PSMC6 26S protease regulatory subunit S10B	0	0	0
IPI00022228	HDLBP Vigilin	0	0	0
IPI00022256	AP2M1 Isoform 1 of AP-2 complex subunit mu-1	0	0	0
IPI00022694	PSMD4 Isoform Rpn10A of 26S proteasome non-ATPase regula- tory subunit 4	0	0	0
IPI00022744	CSE1L Isoform 1 of Exportin-2	0	0	0
IPI00022774	VCP Transitional endoplasmic reticulum ATPase	0	0	0
IPI00022793	HADHB Trifunctional enzyme subunit beta, mitochondrial	0	0	0
IPI00022977	CKB Creatine kinase B-type	1	0	0
IPI00023555	OSBPL3 Isoform 1a of Oxysterol-binding protein-related protein 3	0	0	0
IPI00023860	NAP1L1 Nucleosome assembly protein 1-like 1	0	0	0
IPI00023919	PSMC5 26S protease regulatory subunit 8	0	0	0
IPI00024067	CLTC Isoform 1 of Clathrin heavy chain 1	1	1	0
IPI00024175	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	0	0	0
IPI00024364	TNPO1 transportin 1 isoform 1	0	0	0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	Gozal et al. (deter- gent insol. in AD)
IPI00024403	CPNE3 Copine-3	0	0	0
IPI00024664	USP5 Isoform Long of Ubiquitin carboxyl-terminal hydrolase 5	0	0	0
IPI00025019	PSMB1 Proteasome subunit beta type-1	0	0	0
IPI00025091	RPS11 40S ribosomal protein S11	0	0	0
IPI00025252	PDIA3 Protein disulfide-isomerase A3	0	1	0
IPI00025273	GART Isoform Long of Trifunctional purine biosynthetic protein adenosine-3	0	0	0
IPI00025329	RPL19 60S ribosomal protein L19	0	0	0
IPI00025394	DDC Aromatic-L-amino-acid decarboxylase	0	0	0
IPI00025491	EIF4A1 Eukaryotic initiation factor 4A-I	0	0	0
IPI00025512	HSPB1 Heat shock protein beta-1	0	0	0
IPI00025815	TARDBP TDP43	0	0	0
IPI00026089	SF3B1 Splicing factor 3B subunit 1	0	0	0
IPI00026230	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	0	0	0
IPI00026268	GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	1	0	0
IPI00026497	PARP2 Isoform 1 of Poly [ADP-ribose] polymerase 2	0	0	0
IPI00026665	QARS GlutaminyI-tRNA synthetase	0	0	0
IPI00026689	CDC2 Putative uncharacterized protein DKFZp686L20222	0	0	0
IPI00026781	FASN Fatty acid synthase	0	0	0
IPI00026833	ADSS Adenylosuccinate synthetase isozyme 2	0	0	0
IPI00027107	TUFM Tu translation elongation factor, mitochondrial precursor	0	0	0
IPI00027230	HSP90B1 Endoplasmin	0	0	0
IPI00027280	TOP2B Isoform Beta-2 of DNA topoisomerase 2-beta	0	0	0
IPI00027350	PRDX2 Peroxiredoxin-2	0	0	0
IPI00027423	PPP1CA protein phosphatase 1, catalytic subunit, alpha isoform 3	0	0	0
IPI00027442	AARS Alanyl-tRNA synthetase, cytoplasmic	0	0	0
IPI00027463	S100A6 Protein S100-A6	0	0	0
IPI00027481	ABCB1 Multidrug resistance protein 1	0	0	0
IPI00027497	GPI Glucose-6-phosphate isomerase	1	1	0
IPI00027626	CCT6A T-complex protein 1 subunit zeta	0	0	0
IPI00027834	HNRNPL heterogeneous nuclear ribonucleoprotein L isoform a	0	0	0
IPI00027996	CORO7;Magmas Coronin-7	0	0	0
IPI00029019	UBAP2L Isoform 2 of Ubiquitin-associated protein 2-like	0	0	0
IPI00029048	TTLL12 Tubulin-tyrosine ligase-like protein 12	0	0	0
IPI00029403	SNX4 Sorting nexin-4	0	0	0
IPI00029623	PSMA6 Proteasome subunit alpha type-6	0	0	0
IPI00029628	RCN2 Reticulocalbin-2	0	0	0
IPI00029733	AKR1C1 Aldo-keto reductase family 1 member C1	0	0	0
IPI00029744	SSBP1 Single-stranded DNA-binding protein, mitochondrial	0	0	0
IPI00030275	TRAP1 Heat shock protein 75 kDa, mitochondrial	0	0	0
IPI00030357	DHFR Dihydrofolate reductase	0	0	0
IPI00030363	ACAT1 Acetyl-CoA acetyltransferase, mitochondrial	0	0	0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	Gozal et al. (detergent insol. in AD)
IPI00030781	STAT1 Isoform Alpha of Signal transducer and activator of transcription 1-alpha/beta	0	0	0
IPI00031397	ACSL3 Long-chain-fatty-acid-CoA ligase 3	0	0	0
IPI00031517	MCM6 DNA replication licensing factor MCM6	0	0	0
IPI00031522	HADHA Trifunctional enzyme subunit alpha, mitochondrial	0	0	0
IPI00031552	ELAVL3 Isoform 1 of ELAV-like protein 3	0	0	0
IPI00031583	USO1 Putative uncharacterized protein DKFZp451D234	0	0	0
IPI00031768	HOOK3 Protein Hook homolog 3	0	0	0
IPI00031820	FARSA Phenylalanyl-tRNA synthetase alpha chain	0	0	0
IPI00032003	EMD Emerin	0	0	0
IPI00032140	SERPINH1 Serpin H1	0	0	0
IPI00032230	EPB41L3 Isoform A of Band 4.1-like protein 3	1	0	0
IPI00032406	DNAJA2 DnaJ homolog subfamily A member 2	0	0	0
IPI00034049	UPF1 Isoform 1 of Regulator of nonsense transcripts 1	0	0	0
IPI00037283	DNM1L Isoform 5 of Dynamin-1-like protein	0	1	0
IPI00054042	GTF2I Isoform 1 of General transcription factor II-I	0	0	0
IPI00059292	MAGOHB Protein mago nashi homolog 2	0	0	0
IPI00061114	RAB3C Ras-related protein Rab-3C	0	0	0
IPI00069058	VGF VGF nerve growth factor inducible precursor	0	0	0
IPI00069817	BAZ1B Isoform 1 of Bromodomain adjacent to zinc finger domain protein 1B	0	0	0
IPI00073713	MSI2 Isoform 1 of RNA-binding protein Musashi homolog 2	0	0	0
IPI00075248	CALM3;CALM2;CALM1 Calmodulin	0	0	0
IPI00095891	GNAS Isoform XLas-1 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas	0	0	0
IPI00097492	ZNF512 Zinc finger protein 512	0	0	0
IPI00099996	RG9MTD1 RNA (guanine-9-) methyltransferase domain containing 1	0	0	0
IPI00100460	DARS2 Aspartyl-tRNA synthetase, mitochondrial	0	0	0
IPI00103994	LARS Leucyl-tRNA synthetase, cytoplasmic	0	0	0
IPI00105598	PSMD11 Proteasome 26S non-ATPase subunit 11 variant (Fragment)	0	0	0
IPI00106495	NCAPG Condensin complex subunit 3	0	0	0
IPI00106698	PELO Protein pelota homolog	0	0	0
IPI00107555	PFN2 Isoform IIb of Profilin-2	0	0	0
IPI00140420	SND1 Staphylococcal nuclease domain-containing protein 1	0	0	0
IPI00154473	GFM1 Elongation factor G 1, mitochondrial	0	0	0
IPI00155601	MACROD1 MACRO domain-containing protein 1	0	0	0
IPI00156374	IPO4 Isoform 1 of Importin-4	0	0	0
IPI00158020	SFRS14 Isoform 1 of Putative splicing factor, arginine/serine-rich 14	0	0	0
IPI00163084	XAB2 Pre-mRNA-splicing factor SYF1	0	0	0
IPI00163187	FSCN1 Fascin	1	0	0
IPI00163505	RBM39 Isoform 1 of RNA-binding protein 39	0	0	0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	(Lewy Gozal et al. (deter- gent insol. in AD)
IPI00166010	CNOT1 Isoform 1 of CCR4-NOT transcription complex subunit 1	0	0	0
IPI00169325	WDR36 WD repeat-containing protein 36	0	0	0
IPI00169383	PGK1 Phosphoglycerate kinase 1	0	0	0
IPI00171626	LPCAT1 1-acylglycerophosphocholine O-acyltransferase 1	0	0	0
IPI00171844	COPS4 COP9 signalosome complex subunit 4	0	0	0
IPI00171903	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	0	0	0
IPI00173549	SYNPO2 synaptopodin 2 isoform a	0	0	0
IPI00177817	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	0	0	0
IPI00178352	FLNC Isoform 1 of Filamin-C	0	0	0
IPI00178440	EEF1B2 Elongation factor 1-beta	0	0	0
IPI00179298	HUWE1 482 kDa protein	0	0	0
IPI00179330	UBC;UBB;RPS27A ubiquitin and ribosomal protein S27a precursor	1	0	0
IPI00179473	SQSTM1 Isoform 1 of Sequestosome-1	0	0	0
IPI00180675	TUBA1A Tubulin alpha-1A chain	0	0	0
IPI00181306	UBAP2L Isoform 3 of Ubiquitin-associated protein 2-like	0	0	0
IPI00182757	KIAA1967 Isoform 1 of Protein KIAA1967	0	0	0
IPI00182938	AHCYL1 Isoform 1 of Putative adenosylhomocysteinase 2	0	0	0
IPI00185374	PSMD12 26S proteasome non-ATPase regulatory subunit 12	0	0	0
IPI00186194	CEP170 Isoform 1 of Centrosomal protein of 170 kDa	0	0	0
IPI00186290	EEF2 Elongation factor 2	0	0	0
IPI00186711	PLEC1 plectin 1 isoform 6	1	1	0
IPI00215637	DDX3X ATP-dependent RNA helicase DDX3X	0	0	0
IPI00215719	RPL18 60S ribosomal protein L18	0	0	0
IPI00215884	SFRS1 Isoform ASF-1 of Splicing factor, arginine/serine-rich 1	0	0	0
IPI00215914	ARF1 ADP-ribosylation factor 1	0	0	0
IPI00215918	ARF4 ADP-ribosylation factor 4	0	0	0
IPI00215965	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	0	0	0
IPI00216008	G6PD Isoform Long of Glucose-6-phosphate 1-dehydrogenase	0	0	0
IPI00216049	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	0	0	0
IPI00216088	CRABP2 Cellular retinoic acid-binding protein 2	0	0	0
IPI00216139	SEPT6 Isoform I of Septin-6	0	0	0
IPI00216318	YWHAB Isoform Long of 14-3-3 protein beta/alpha	1	0	0
IPI00216319	YWHAH 14-3-3 protein eta	1	0	1
IPI00216587	RPS8 40S ribosomal protein S8	0	0	0
IPI00216592	HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	0	0	0
IPI00216691	PFN1 Profilin-1	0	0	0
IPI00216951	DARS Aspartyl-tRNA synthetase, cytoplasmic	0	0	0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	Gozal et al. (deter- gent insol. in AD)
IPI00217030	RPS4X 40S ribosomal protein S4, X isoform	0	0	0
IPI00217223	PAICS Multifunctional protein ADE2	0	0	0
IPI00217975	LMNB1 Lamin-B1	0	0	0
IPI00218236	PPP1CB Serine/threonine-protein phosphatase PP1-beta cat- alytic subunit	0	0	0
IPI00218342	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	0	0	0
IPI00218620	SON Isoform D of SON protein	0	0	0
IPI00218693	APRT Adenine phosphoribosyltransferase	0	0	0
IPI00218829	GSPT1 Eukaryotic peptide chain release factor GTP-binding sub- unit ERF3A	0	0	0
IPI00218993	HSPH1 Isoform Beta of Heat shock protein 105 kDa	0	0	0
IPI00219018	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	1	1	0
IPI00219156	RPL30 60S ribosomal protein L30	0	0	0
IPI00219217	LDHB L-lactate dehydrogenase B chain	0	0	0
IPI00219420	SMC3 Structural maintenance of chromosomes protein 3	0	0	0
IPI00219513	UCHL5 Isoform 3 of Ubiquitin carboxyl-terminal hydrolase isozyme L5	0	0	0
IPI00219525	PGD 6-phosphogluconate dehydrogenase, decarboxylating	0	0	0
IPI00219585	PFKM Isoform 2 of 6-phosphofructokinase, muscle type	0	0	0
IPI00219678	EIF2S1 Eukaryotic translation initiation factor 2 subunit 1	0	0	0
IPI00219718	RBP1 Retinol-binding protein I, cellular	0	0	0
IPI00219757	GSTP1 Glutathione S-transferase P	0	0	0
IPI00220076	DCX Isoform 2 of Neuronal migration protein doublecortin	0	0	0
IPI00220219	COPB2 Coatamer subunit beta'	0	0	0
IPI00220281	GNAO1 Isoform Alpha-1 of Guanine nucleotide-binding protein G(o) subunit alpha	1	1	0
IPI00220301	PRDX6 Peroxiredoxin-6	0	0	0
IPI00220473	ATP2C1 Isoform 2 of Calcium-transporting ATPase type 2C member 1	0	0	0
IPI00220528	SNRPF Small nuclear ribonucleoprotein F	0	0	0
IPI00220578	GNAI3 Guanine nucleotide-binding protein G(k) subunit alpha	0	0	0
IPI00220637	SARS Seryl-tRNA synthetase, cytoplasmic	0	0	0
IPI00220642	YWHAG 14-3-3 protein gamma	1	0	0
IPI00220901	TBC1D4 TBC1D4 protein	0	0	0
IPI00221354	FUS Isoform Short of RNA-binding protein FUS	0	0	0
IPI00232806	SMC2 structural maintenance of chromosomes 2-like 1	0	0	0
IPI00237671	NEFL Neurofilament light polypeptide	1	0	0
IPI00242630	HEATR2 Isoform 1 of HEAT repeat-containing protein 2	0	0	0
IPI00246975	GSTM3 Glutathione S-transferase Mu 3	1	0	0
IPI00257508	DPYSL2 Dihydropyrimidinase-related protein 2	0	1	0
IPI00289499	ATIC Bifunctional purine biosynthesis protein PURH	0	1	0
IPI00289862	SCRN1 Secernin-1	1	0	0
IPI00290142	CTPS CTP synthase 1	0	0	0
IPI00290566	TCP1 T-complex protein 1 subunit alpha	0	0	0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	Gozal et al. (detergent insol. in AD)
IPI00290770	CCT3 chaperonin containing TCP1, subunit 3 isoform b	0	0	0
IPI00291006	MDH2 Malate dehydrogenase, mitochondrial	0	0	0
IPI00291510	IMPDH2 Inosine-5'-monophosphate dehydrogenase 2	0	0	0
IPI00291783	GEMIN5 Gem-associated protein 5	0	0	0
IPI00291922	PSMA5 Proteasome subunit alpha type-5	0	0	0
IPI00291928	RAB14 Ras-related protein Rab-14	0	0	0
IPI00291939	SMC1A Structural maintenance of chromosomes protein 1A	0	0	0
IPI00292020	SRM Spermidine synthase	0	0	0
IPI00292753	GAPVD1 Isoform 6 of GTPase-activating protein and VPS9 domain-containing protein 1	0	0	0
IPI00293126	TBCB Tubulin folding cofactor B	0	0	0
IPI00293276	MIF;LOC284889 Macrophage migration inhibitory factor	0	0	0
IPI00293533	NUP62 Nuclear pore glycoprotein p62	0	0	0
IPI00293655	DDX1 ATP-dependent RNA helicase DDX1	0	0	0
IPI00293757	UNC5C Isoform 1 of Netrin receptor UNC5C	0	0	0
IPI00294536	STRAP Serine-threonine kinase receptor-associated protein	0	0	0
IPI00295386	CBR1 Carbonyl reductase [NADPH] 1	1	1	0
IPI00295485	HSPA4L Heat shock 70 kDa protein 4L	0	0	0
IPI00295857	COPA Coatamer subunit alpha	0	1	0
IPI00295992	ATAD3A Isoform 2 of ATPase family AAA domain-containing protein 3A	0	0	0
IPI00296337	PRKDC Isoform 1 of DNA-dependent protein kinase catalytic subunit	0	0	0
IPI00297211	SMARCA5 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A	0	0	0
IPI00297261	PTPN1 Tyrosine-protein phosphatase non-receptor type 1	0	0	0
IPI00297579	CBX3;LOC653972 Chromobox protein homolog 3	0	0	0
IPI00297779	CCT2 T-complex protein 1 subunit beta	0	0	0
IPI00297982	EIF2S3 Eukaryotic translation initiation factor 2 subunit 3	0	0	0
IPI00298520	ARCN1 Putative uncharacterized protein DKFZp686M09245	0	0	0
IPI00298625	LYN Isoform LYN A of Tyrosine-protein kinase Lyn	0	0	0
IPI00298961	XPO1 Exportin-1	0	0	0
IPI00298994	TLN1 Talin-1	0	0	0
IPI00299000	PA2G4 Proliferation-associated protein 2G4	0	0	0
IPI00299155	PSMA4 Proteasome subunit alpha type-4	0	0	0
IPI00299402	PC Pyruvate carboxylase, mitochondrial	0	0	0
IPI00299524	NCAPD2 Condensin complex subunit 1	0	0	0
IPI00299573	RPL7A 60S ribosomal protein L7a	0	0	0
IPI00299608	PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	0	0	0
IPI00299904	MCM7 Isoform 1 of DNA replication licensing factor MCM7	0	0	0
IPI00299977	PHPT1 14 kDa phosphohistidine phosphatase	0	0	0
IPI00300371	SF3B3 Isoform 1 of Splicing factor 3B subunit 3	0	0	0
IPI00301263	CAD CAD protein	0	0	0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	Gozal et al. (deter- gent insol. in AD)
IPI00301277	HSPA1L Heat shock 70 kDa protein 1L	0	0	0
IPI00301503	SFRS10 Isoform 1 of Splicing factor, arginine/serine-rich 10	0	0	0
IPI00301609	NEK9 Serine/threonine-protein kinase Nek9	0	0	0
IPI00302592	FLNA filamin A, alpha isoform 1	0	0	0
IPI00302850	SNRPD1 Small nuclear ribonucleoprotein Sm D1	0	0	0
IPI00302925	CCT8 59 kDa protein	0	0	0
IPI00302927	CCT4 T-complex protein 1 subunit delta	0	0	0
IPI00303207	ABCE1 ATP-binding cassette sub-family E member 1	0	0	0
IPI00303476	ATP5B ATP synthase subunit beta, mitochondrial	1	0	0
IPI00304435	NIPSNAP1 Protein NipSnap homolog 1	0	0	0
IPI00304596	NONO Non-POU domain-containing octamer-binding protein	0	0	0
IPI00304655	KIAA1712 Uncharacterized protein KIAA1712	0	0	0
IPI00304692	RBMX Heterogeneous nuclear ribonucleoprotein G	0	0	0
IPI00304925	HSPA1B;HSPA1A Heat shock 70 kDa protein 1	0	0	0
IPI00305068	PRPF6 Pre-mRNA-processing factor 6	0	0	0
IPI00305166	SDHA Succinate dehydrogenase [ubiquinone] flavoprotein sub- unit, mitochondrial	0	0	0
IPI00305289	KIF11 Kinesin-like protein KIF11	0	0	0
IPI00305887	NUF2 Kinetochore protein Nuf2	0	0	0
IPI00306332	RPL24 60S ribosomal protein L24	0	0	0
IPI00306642	WDSOF1 Uncharacterized protein WDSOF1	0	0	0
IPI00328161	FKBP8 Isoform 2 of FK506-binding protein 8	0	0	0
IPI00328298	SMC4 Isoform 2 of Structural maintenance of chromosomes pro- tein 4	0	0	0
IPI00328306	ZC3H11A Zinc finger CCCH domain-containing protein 11A	0	0	0
IPI00328319	RBBP4 Histone-binding protein RBBP4	0	0	0
IPI00328354	MAGED1 Isoform 1 of Melanoma-associated antigen D1	0	0	0
IPI00328431	UNC5B Isoform 1 of Netrin receptor UNC5B	0	0	0
IPI00329629	DNAJC7 DnaJ homolog subfamily C member 7	0	0	0
IPI00329633	TARS Threonyl-tRNA synthetase, cytoplasmic	0	0	0
IPI00335168	MYL6;MYL6B Isoform Non-muscle of Myosin light polypeptide 6	0	0	0
IPI00336094	HSD17B10 Isoform 2 of 3-hydroxyacyl-CoA dehydrogenase type-2	0	0	0
IPI00337736	KTN1 Isoform 2 of Kinetin	0	0	0
IPI00339384	RDH11 Isoform 1 of Retinol dehydrogenase 11	0	0	0
IPI00373877	ZNF326 Isoform 1 of Zinc finger protein 326	0	0	0
IPI00375527	IMPDH1 inosine monophosphate dehydrogenase 1 isoform a	0	0	0
IPI00375704	PSMB5 29 kDa protein	0	0	0
IPI00375947	RTL1 retrotransposon-like 1	0	0	0
IPI00376005	EIF5A Isoform 2 of Eukaryotic translation initiation factor 5A-1	0	0	0
IPI00376215	PRKDC Isoform 2 of DNA-dependent protein kinase catalytic subunit	0	0	0
IPI00376344	MYO1B Isoform 1 of Myosin-Ib	0	0	0
IPI00376798	RPL11 Isoform 1 of 60S ribosomal protein L11	0	0	0
IPI00377261	FUBP3 Isoform 1 of Far upstream element-binding protein 3	0	0	0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	(Lewy bodies)	Gozal et al. (deter- gent insol. in AD)
IPI00382470	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	0	0		0
IPI00382516	PRMT1 HMT1 hnRNP methyltransferase-like 2 isoform 3	0	0		0
IPI00384689	PDXDC1 Isoform 1 of Pyridoxal-dependent decarboxylase domain-containing protein 1	0	0		0
IPI00385042	GTPBP4 Nucleolar GTP-binding protein 1	0	0		0
IPI00385449	PRKCA Protein kinase C alpha type	0	0		0
IPI00386418	MYEF2 Isoform 2 of Myelin expression factor 2	0	0		0
IPI00387144	TUBA1B Tubulin alpha-1B chain	0	0		0
IPI00394668	ADAR Isoform 4 of Double-stranded RNA-specific adenosine deaminase	0	0		0
IPI00394788	AARS2 Probable alanyl-tRNA synthetase, mitochondrial	0	0		0
IPI00394838	ACLY ATP citrate lyase isoform 2	0	0		0
IPI00395627	CACYBP Isoform 1 of Calcyclin-binding protein	0	0		0
IPI00396060	CCDC14 coiled-coil domain containing 14	0	0		0
IPI00396370	EIF3B Isoform 1 of Eukaryotic translation initiation factor 3 sub-unit B	0	0		0
IPI00396378	HNRNPA2B1 Isoform B1 of Heterogeneous nuclear ribonucleo- proteins A2/B1	0	0		0
IPI00396485	EEF1A1 Elongation factor 1-alpha 1	0	0		0
IPI00397526	MYH10 Isoform 1 of Myosin-10	0	0		0
IPI00397904	NUP93 Nuclear pore complex protein Nup93	0	0		0
IPI00399318	COPE epsilon subunit of coatamer protein complex isoform b	0	0		0
IPI00410067	ZC3HAV1 Isoform 1 of Zinc finger CCCH-type antiviral protein 1	0	0		0
IPI00410226	BOLA2;BOLA2B Isoform 2 of Bola-like protein 2	0	0		0
IPI00411559	SMC4 Isoform 1 of Structural maintenance of chromosomes pro- tein 4	0	0		0
IPI00411763	KIF1B Isoform 3 of Kinesin-like protein KIF1B	0	0		0
IPI00411937	NOL5A Nucleolar protein 5A	0	0		0
IPI00413641	AKR1B1 Aldose reductase	0	0		0
IPI00414101	TOP2A Isoform 2 of DNA topoisomerase 2-alpha	0	0		0
IPI00414676	HSP90AB1 Heat shock protein HSP 90-beta	0	1		0
IPI00414717	GLG1 golgi apparatus protein 1	0	0		0
IPI00419585	PPIA Peptidyl-prolyl cis-trans isomerase A	0	0		0
IPI00419979	PAK2 Serine/threonine-protein kinase PAK 2	0	0		0
IPI00420014	ASCC3L1 Isoform 1 of U5 small nuclear ribonucleoprotein 200 kDa helicase	0	0		0
IPI00425404	KIF21A Isoform 1 of Kinesin-like protein KIF21A	0	0		0
IPI00425405	KIF21A Isoform 2 of Kinesin-like protein KIF21A	0	0		0
IPI00440493	ATP5A1 ATP synthase subunit alpha, mitochondrial	1	0		0
IPI00448630	SARM1 Isoform 1 of Sterile alpha and TIR motif-containing pro- tein 1	0	0		0
IPI00453476	- Uncharacterized protein ENSP00000348237	0	0		0
IPI00455620	RUFY3 RUN and FYVE domain containing 3 isoform 1	0	0		0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	Gozal et al. (deter- gent insol. in AD)
IPI00456887	HNRNPUL2 Heterogeneous nuclear ribonucleoprotein U-like protein 2	0	0	0
IPI00456969	DYNC1H1 Cytoplasmic dynein 1 heavy chain 1	1	1	0
IPI00465028	TPI1 Isoform 1 of Triosephosphate isomerase	0	0	0
IPI00465128	BAT3 Isoform 1 of Large proline-rich protein BAT3	0	0	0
IPI00465132	COPE Coatomer subunit epsilon	0	0	0
IPI00465248	ENO1 Isoform alpha-enolase of Alpha-enolase	0	0	0
IPI00465361	RPL13 60S ribosomal protein L13	0	0	0
IPI00470891	CSDE1 Isoform Long of Cold shock domain-containing protein E1	0	0	0
IPI00471951	LOC441528;XXbac-BPG181B23.1;MICA;LOC100133382;HLA-A;HLA-B;HLA-C;LOC728687 HLA class I histocompatibility antigen, Cw-15 alpha chain (corr not carbony reduct)	0	0	0
IPI00472724	EEF1A1 Putative elongation factor 1-alpha-like 3	0	0	0
IPI00472879	- Novel protein similar to Pre-B cell enhancing factor	0	0	0
IPI00473014	DSTN Destrin	0	0	0
IPI00478231	RHOA Transforming protein RhoA	0	0	0
IPI00478269	RGS5 Regulator of G-protein signaling 5	0	0	0
IPI00479186	PKM2 Isoform M2 of Pyruvate kinase isozymes M1/M2	0	0	0
IPI00479307	MYH10 Isoform 2 of Myosin-10	0	0	0
IPI00513758	ELAVL4 ELAV (Embryonic lethal, abnormal vision, Drosophila)-like 4	0	0	0
IPI00514910	LY6G5B;CSNK2B Casein kinase 2, beta polypeptide	0	0	0
IPI00549248	NPM1 Isoform 1 of Nucleophosmin	0	0	0
IPI00550069	RNH1 Ribonuclease inhibitor	0	0	0
IPI00550689	C22orf28 UPF0027 protein C22orf28	0	0	0
IPI00552715	CCT3 chaperonin containing TCP1, subunit 3 isoform c	0	0	0
IPI00554590	RAB3GAP2 Isoform 1 of Rab3 GTPase-activating protein non-catalytic subunit	0	0	0
IPI00554649	ATG4B Isoform 1 of Cysteine protease ATG4B	0	0	0
IPI00554723	RPL10 60S ribosomal protein L10	0	0	0
IPI00554737	PPP2R1A Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	0	0	0
IPI00555956	PSMB4 Proteasome subunit beta type-4	0	0	0
IPI00556376	CRMP1 collapsin response mediator protein 1 isoform 1	0	0	0
IPI00640981	UBR4 Isoform 4 of E3 ubiquitin-protein ligase UBR4	0	0	0
IPI00641950	GNB2L1 Lung cancer oncogene 7	0	0	0
IPI00642042	TPM3 Putative uncharacterized protein DKFZp686J1372	0	0	0
IPI00642211	RNPEP Aminopeptidase B	0	0	0
IPI00642816	SRP9;hCG.1781062 Signal recognition particle 9 kDa protein	0	0	0
IPI00642971	EEF1D eukaryotic translation elongation factor 1 delta isoform 1	0	0	0
IPI00642976	CPNE1 Copine I	0	0	0
IPI00643041	RAN GTP-binding nuclear protein Ran	0	0	0
IPI00643920	TKT Transketolase	0	0	0
IPI00644079	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	0	0	0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	(Lewy bodies)	Gozal et al. (deter- gent insol. in AD)
IPI00644127	IARS Isoleucyl-tRNA synthetase, cytoplasmic	0	0		0
IPI00644431	DDX39 ATP-dependent RNA helicase DDX39	0	0		0
IPI00645078	UBA1 Ubiquitin-like modifier-activating enzyme 1	0	1		0
IPI00646304	PPIB peptidylprolyl isomerase B precursor	0	0		0
IPI00646491	GNAS Isoform XLas-2 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas	0	0		0
IPI00647400	RNPEP Uncharacterized protein RNPEP	0	0		0
IPI00647677	CAPZB Capping protein (Actin filament) muscle Z-line, beta	0	0		0
IPI00651653	DDX17 Isoform 3 of Probable ATP-dependent RNA helicase DDX17	0	0		0
IPI00658000	IGF2BP3 Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	0	0		0
IPI00719549	RBM14 Transcriptional coactivator CoAZ	0	0		0
IPI00736859	HNRNPUL1 Isoform 4 of Heterogeneous nuclear ribonucleoprotein U-like protein 1	0	0		0
IPI00744706	SPTAN1 282 kDa protein	0	0		0
IPI00746388	EZR Ezrin	0	0		0
IPI00747849	ATP1B1 Isoform 1 of Sodium/potassium-transporting ATPase subunit beta-1	0	0		0
IPI00759832	YWHAB Isoform Short of 14-3-3 protein beta/alpha	0	0		0
IPI00783097	GARS Glycyl-tRNA synthetase	0	0		0
IPI00783271	LRPPRC Leucine-rich PPR motif-containing protein, mitochondrial	0	0		0
IPI00783855	NBR1 neighbor of BRCA1 gene 1	0	0		0
IPI00783982	COPG Coatomer subunit gamma	0	0		0
IPI00784154	HSPD1 60 kDa heat shock protein, mitochondrial	0	0		0
IPI00784614	SEPT9 Isoform 1 of Septin-9	0	0		0
IPI00788247	KIF26A Kinesin-like protein KIF26A	0	0		0
IPI00789551	MATR3 Uncharacterized protein MATR3	0	0		0
IPI00789698	PTGES3 19 kDa protein	0	0		0
IPI00789806	LAP3 Isoform 2 of Cytosol aminopeptidase	0	0		0
IPI00790214	RCN2 Uncharacterized protein RCN2	0	0		0
IPI00792186	ABCF1 ATP-binding cassette, sub-family F (GCN20), member 1	0	0		0
IPI00793409	ACACA 265 kDa protein	0	0		0
IPI00793443	IPO5 importin 5	0	0		0
IPI00794907	GATA2 GATA2 protein	0	0		0
IPI00795618	MYO1B 128 kDa protein	0	0		0
IPI00795953	STMN2 20 kDa protein	0	0		0
IPI00796554	- 18 kDa protein	0	0		0
IPI00797230	RPL8 32 kDa protein	0	0		0
IPI00797887	FXR1 FXR1 protein	0	0		0
IPI00798400	EIF4G1 eukaryotic translation initiation factor 4 gamma, 1 isoform 3	0	0		0
IPI00807557	PA2G4 PA2G4 protein (Fragment)	0	0		0

Accession number	Description	Leverenz et al. (Lewy bodies)	Xia et al. (Lewy bodies)	(Lewy Gozal et al. (deter- gent insol. in AD)
IPI00815672	KIF1A Isoform 2 of Kinesin-like protein KIF1A	0	0	0
IPI00843765	SPTAN1 Isoform 3 of Spectrin alpha chain, brain	0	1	0
IPI00843773	RBM39 Putative uncharacterized protein DKFZp686A11192	0	0	0
IPI00843876	TNPO1 Transportin-1	0	0	0
IPI00844264	CSDE1 Putative uncharacterized protein DKFZp779B0247	0	0	0
IPI00844578	DHX9 ATP-dependent RNA helicase A	0	0	0
IPI00845507	LOC641293 Similar to 60S ribosomal protein L21	0	0	0
IPI00847501	ACACA Isoform 2 of Acetyl-CoA carboxylase 1	0	0	0
IPI00847956	- Similar to 40S ribosomal protein S27	0	0	0
IPI00848226	GNB2L1 Guanine nucleotide-binding protein subunit beta-2-like 1	0	0	0
IPI00855924	EIF5AL1;EIF5A Eukaryotic translation initiation factor 5A-1-like	0	0	0
IPI00855998	CENPF Centromere protein F	0	0	0
IPI00856036	GIGYF2 GRB10 interacting GYF protein 2 isoform c	0	0	0
IPI00872531	- Uncharacterized protein ENSP00000383556	0	0	0
IPI00873228	PAFAH1B1 Uncharacterized protein PAFAH1B1 (Fragment)	0	0	0
IPI00877938	IARS isoleucyl-tRNA synthetase	0	0	0
IPI00895958	- Tyrosine-protein kinase receptor	0	0	0
IPI00900276	SYNPO2 synaptopodin 2 isoform c	0	0	0

Supplementary Table 5b Shown are the proteins that were detected in the cited papers, but were not in the MG132-induced aggregates.

Leverenz et al. (Lewy-bodies)	identifier	Xia et al. (co-enrichment lewy-bodies)	identifier	Gozal et al. (detergent insol. In AD)	identifier
Sodium/potassium-transporting ATPase alpha-2 chain precursor	IPI00003021	GNAO1 Isoform Alpha-2 of Guanine nucleotide-binding protein G(o) subunit alpha	IPI00398700	apolipoprotein E	NP_000032.1
PREDICTED: similar to RIKEN cDNA 4732495G21 gene	IPI00003269	gelsolin (amyloidosis, Finnish type)	NP_000168.1	aquaporin 1	NP_000376.1
Drebrin	IPI00003406	Adaptor-related protein complex 2, beta 1	NP_001273.1	complement component 4B	NP_001002029.1
Splice Isoform 1 of Microtubule-associated protein 2	IPI00003842	protein kinase C, beta	NP_002729.2	serum amyloid P component	NP_001630.1
IHIST2H2BE Histone H2B type 2-E	IPI00003935	mitogen-activated protein kinase kinase 1	NP_002746.1	dynamin1	NP_004399.2
Splice Isoform 1 of Reticulon 1	IPI00003971	calgranulin - S100 calcium binding protein A9	NP_002956.1	microtubule-associated protein tau	NP_058518.1
Brain glycogen phosphorylase	IPI00004358	ubiquitin A-52 residue ribosomal protein fusion product 1	NP_003324.1		
Splice Isoform 1 of Ras-related protein Rab-1A	IPI00005719	cullin 1	NP_003583.2		
Cytokeratin type II	IPI00005859	Calcium-dependent secretion activator	NP_003707.2		
Homo sapiens TUBB1 human beta tubulin 1, class VI	IPI00006510	dynactin 1	NP_004073.2		
Clathrin coat assembly protein AP180	IPI00006612	Doublecortin-like kinase3	NP_004725.1		
Tubulin alpha-1 chain	IPI00007750	synuclein, alpha (non A4 component of amyloid precursor)	NP_009292.1		
Tetrodotoxin-resistant voltage-gated sodium channel	IPI00008522	peroxiredoxin 5	NP_036226.1		
Actin, aortic smooth muscle	IPI00008603	F-box protein 2	NP_036300.2		
38 kDa protein	IPI00008669	WD repeat-containing protein 1	NP_059830.1		
Splice Isoform 1 of Ras-GTPase-activating protein binding protein 2	IPI00009057	OTU domain, ubiquitin aldehyde binding 1	NP_060140.1		
Splice Isoform 1 of B-cell lymphoma/leukemia 11B	IPI00009213	ring finger protein 123	NP_071347.2		

Leverenz et al. (Lewy-bodies)	identifier	Xia et al. (co-enrichment lewy-bodies)	identifier	Gozal et al. (detergent insol. In AD)	identifier
Synaptotagmin-1	IPI00009439	adaptor-related protein complex 2, alpha 1 subunit	NP_570603.2		
Splice Isoform 1 of Versican core protein precursor	IPI00009802				
Mitochondrial inner membrane protein	IPI00009960				
KIAA0607 protein	IPI00010345				
Splice Isoform 1 of Synaptosomal-associated protein 25	IPI00010470				
Trypsin I precursor	IPI00011694				
25 kDa brain-specific protein	IPI00013043				
Splice Isoform 1 of Desmoplakin	IPI00013933				
EEF1A2 Elongation factor 1-alpha 2	IPI00014424				
Splice Isoform 1 of Plectin 1	IPI00014898				
Excitatory amino acid transporter 1	IPI00015473				
Band 4.1-like protein 2	IPI00015973				
Histone H2A F/Z variant, isoform 1	IPI00018278				
Histone H2A e	IPI00018524				
Splice Isoform 1 of Alpha adducin	IPI00019901				
Neuronal membrane glycoprotein M6-a	IPI00019952				
Alpha crystallin B chain	IPI00021369				
Actin, alpha skeletal muscle	IPI00021428				
Splice Isoform 1 of Myelin basic protein	IPI00021907				
SLC25A3 protein	IPI00022202				
Serotransferrin precursor	IPI00022463				
Splice Isoform 1 of Clathrin heavy chain 2	IPI00022881				
TUBB4 Tubulin beta-4 chain	IPI00023598				
Splice Isoform 1 of Alpha-synuclein	IPI00024107				

Leverenz et al. (Lewy-bodies)	identifier	Xia et al. (co-enrichment lewy-bodies)	identifier	Gozal et al. (detergent insol. In AD)	identifier
Splice Isoform 1 of Voltage-dependent anion-selective channel protein 2	IPI00024145				
Peroxiredoxin 5, mitochondrial precursor	IPI00024915				
Brain-specific Na-dependent inorganic phosphate cotransporter	IPI00025331				
Elongation factor 1-alpha 1	IPI00025447				
Microtubule-associated protein tau isoform 2	IPI00025499				
Desmoglein 1 precursor	IPI00025753				
Claudin-11	IPI00026053				
Ubiquitin-activating enzyme E1	IPI00026119				
Gelsolin precursor	IPI00026314				
19 kDa protein	IPI00027388				
4F2 cell-surface antigen heavy chain	IPI00027493				
Dermcidin precursor	IPI00027547				
Reticulon protein 3	IPI00028946				
ATP synthase B chain, mitochondrial precursor	IPI00029133				
Hyaluronan and proteoglycan link protein 2 precursor	IPI00029184				
Splice Isoform 1 of Contactin 1 precursor	IPI00029751				
Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial precursor	IPI00030702				
Heat shock protein 86	IPI00031523				
Splice Isoform 1 of Dyamin 2	IPI00033022				
Tubulin beta MGC4083	IPI00034283				
OTTHUMP00000062121	IPI00045939				
Splice Isoform 2 of Syntaxin binding protein 1	IPI00046057				
Splice Isoform 1 of Calcium/calmodulin-dependent protein kinase type II alpha chain	IPI00098624				

Leverenz et al. (Lewy-bodies)	identifier	Xia et al. (co-enrichment lewy-bodies)	identifier	Gozal et al. (detergent insol. In AD)	identifier
Dihydropyrimidinase-like 2	IPI00106642				
Tenascin-R	IPI00160552				
Tubulin beta-5	IPI00160897				
42 kDa protein	IPI00164375				
Prepro-alpha2(I) collagen precursor	IPI00164755				
46 kDa protein	IPI00165284				
Hypothetical protein FLJ37958	IPI00166229				
TUBA6 protein	IPI00166768				
Hypothetical protein FLJ34068	IPI00168184				
Calcium/calmodulin-dependent protein kinase II gamma	IPI00169392				
Titin	IPI00179357				
Splice Isoform 1 of Sodium/potassium-transporting ATPase beta-1 chain	IPI0017952				
Retinoblastoma-associated factor 600	IPI00180305				
Neural cell adhesion molecule 1	IPI00185362				
Voltage-dependent anion channel 1	IPI00216308				
H1 histone family, member 2	IPI00217465				
Neurofilament 3 (150kDa medium)	IPI00217507				
GNAI2 protein	IPI00217906				
Connexin 43	IPI00218487				
PhosPhoglycerate mutase 2 (muscle)	IPI00218570				
34 kDa protein	IPI00219567				
Splice Isoform 1 of Myelin proteolipid protein	IPI00219661				
Splice Isoform 2 of Myelin-oligodendrocyte glycoprotein precursor	IPI00219664				
Splice Isoform 2 of Microtubule-associated protein tau	IPI00220171				

Leverenz et al. (Lewy-bodies)	identifier	Xia et al. (co-enrichment lewy-bodies)	identifier	Gozal et al. (detergent insol. In AD)	identifier
Splice Isoform 2 of 2',3'-cyclic-nucleotide 3'-phosphodiesterase	IPI00220993				
Dynamin 3	IPI00221332				
Splice Isoform 2 of Synapsin-1	IPI00251507				
Carbonyl reductase 3	IPI00290462				
BM88 antigen	IPI00295601				
Collagen alpha 1(I) chain precursor	IPI00297646				
OTTHUMP00000040847	IPI00298888				
DJ68D18.1.2	IPI00300020				
Sodium/potassium-transporting ATPase alpha-3 chain	IPI00302840				
Rho-associated protein kinase 2	IPI00307155				
Laminin alpha-4 chain precursor	IPI00329482				
Hypothetical protein DK-FZp761K0511	IPI00334775				
Laminin alpha-1 chain precursor	IPI00375294				
Beta-globin gene from a thalassemia patient, complete cds	IPI00382950				
PREDICTED: similar to Triosephosphate isomerase (TIM)	IPI00383071				
Glyceraldehyde-3-phosphate dehydrogenase, muscle	IPI00383758				
HNRPA2B1 protein	IPI00386854				
DNM1 protein	IPI00413140				
Spectrin alpha chain, brain	IPI00413728				
Rotatin	IPI00414117				
Vimentin	IPI00418471				
HIST1H4F protein	IPI00453473				
Guanine nucleotide binding protein (G protein), gamma 2	IPI00470619				
50 kDa protein	IPI00478281				

Leverenz et al. (Lewy- identifier bodies)	Xia et al. (co-enrichment identifier lewy-bodies)	Gozal et al. (detergent in- identifier sol. In AD)
Spectrin, alpha, non- IPI00478292 erythrocytic 1		