

## Supplementary Table 8: List of proteins identified by mass spectrometry in the

Protein name
Gene_Symbol=- 12 kDa protein
Gene_Symbol=- 19 kDa protein
Gene_Symbol=- 21 kDa protein
Gene_Symbol=- 23 kDa protein
Gene_Symbol=- 30 kDa protein
Gene_Symbol=- 52 kDa protein
Gene_Symbol=- 71 kDa protein
Gene_Symbol=- DAZAP1/MEF2D fusion protein
Gene_Symbol=- HDCMB21P
Gene_Symbol=- P37 AUF1
Gene_Symbol=- Protein
Gene_Symbol=- Trypsinogen C
Gene_Symbol=AARS 107 kDa protein
Gene_Symbol=ABCF1 Isoform 2 of ATP-binding cassette sub-family F member 1
Gene_Symbol=ABHD14B Isoform 1 of Abhydrolase domain-containing protein 14B
Gene_Symbol=ABP1 Isoform 1 of Amiloride-sensitive amine oxidase [copper-containing] precursor
Gene_Symbol=ACAT1 ACAT1 protein
Gene_Symbol=ACBD3 Golgi resident protein GCP60
Gene_Symbol=ACE Angiotensin-converting enzyme, somatic isoform precursor
Gene_Symbol=ACIN1 Isoform 1 of Apoptotic chromatin condensation inducer in the nucleus
Gene_Symbol=ACLY ATP-citrate synthase
Gene_Symbol=ACOT7 Isoform 2 of Cytosolic acyl coenzyme A thioester hydrolase
Gene_Symbol=ACP5 Tartrate-resistant acid phosphatase type 5 precursor
Gene_Symbol=ACTA1 Actin, alpha skeletal muscle
Gene_Symbol=ACTB Actin, cytoplasmic 1
Gene_Symbol=ACTN1 Actinin alpha 1 isoform b
Gene_Symbol=ACTN4 Alpha-actinin-4
Gene_Symbol=ACTR3 Actin-like protein 3
Gene_Symbol=ADAM10 ADAM 10 precursor
Gene_Symbol=ADAM15 a disintegrin and metalloproteinase domain 15 isoform 3 preproprotein
Gene_Symbol=ADAM17 Isoform B of ADAM 17 precursor
Gene_Symbol=ADAM9 Isoform 1 of ADAM 9 precursor
Gene_Symbol=ADAMTSL2 ADAMTS-like 2
Gene_Symbol=ADAR Isoform 2 of Double-stranded RNA-specific adenosine deaminase
Gene_Symbol=ADAR Isoform 4 of Double-stranded RNA-specific adenosine deaminase
Gene_Symbol=ADCYAP1 Pituitary adenylate cyclase-activating polypeptide precursor
Gene_Symbol=AGT Angiotensinogen precursor
Gene_Symbol=AHCY Adenosylhomocysteinase
Gene_Symbol=AHSA1 Activator of 90 kDa heat shock protein ATPase homolog 1
Gene_Symbol=AIFM1 Isoform 1 of Apoptosis-inducing factor 1, mitochondrial precursor
Gene_Symbol=AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial
Gene_Symbol=AKR1A1 Alcohol dehydrogenase
Gene_Symbol=AKR1B1 Aldose reductase
Gene_Symbol=AKR1B10 Aldo-keto reductase family 1 member B10
Gene_Symbol=AKR1C1 Aldo-keto reductase family 1 member C1
Gene_Symbol=AKR1C3 Aldo-keto reductase family 1 member C3
Gene_Symbol=AKR7A2 Aflatoxin B1 aldehyde reductase member 2
Gene_Symbol=AKR7A3 Aflatoxin B1 aldehyde reductase member 3
Gene_Symbol=ALCAM Isoform 1 of CD166 antigen precursor
Gene_Symbol=ALDH1A1 Retinal dehydrogenase 1
Gene_Symbol=ALDH3A2 Isoform 1 of Fatty aldehyde dehydrogenase
Gene_Symbol=ALDH9A1 aldehyde dehydrogenase 9A1
Gene_Symbol=ALDOA Fructose-bisphosphate aldolase A
Gene_Symbol=ALDOC Fructose-bisphosphate aldolase C
Gene_Symbol=AMBP AMBP protein precursor
Gene_Symbol=ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A
Gene_Symbol=ANP32B Isoform 1 of Acidic leucine-rich nuclear phosphoprotein 32 family member B
Gene_Symbol=ANP32E Acidic leucine-rich nuclear phosphoprotein 32 family member E
Gene_Symbol=ANXA5 Annexin A5
Gene_Symbol=AP3D1 Isoform 1 of AP-3 complex subunit delta-1

Gene_Symbol=APEH Acylamino-acid-releasing enzyme
Gene_Symbol=APEX1 DNA-(apurinic or apyrimidinic site) lyase
Gene_Symbol=API5 Isoform 4 of Apoptosis inhibitor 5
Gene_Symbol=APLP2 Isoform 1 of Amyloid-like protein 2 precursor
Gene_Symbol=APOA1BP apolipoprotein A-I binding protein precursor
Gene_Symbol=APP Isoform APP770 of Amyloid beta A4 protein precursor (Fragment)
Gene_Symbol=ARCN1 Coatomer subunit delta
Gene_Symbol=ARF1 ADP-ribosylation factor 1
Gene_Symbol=ARFIP1 Isoform A of Arfaptin-1
Gene_Symbol=ARHGDI A 26 kDa protein
Gene_Symbol=ARMET ARMET protein precursor
Gene_Symbol=ARSA Hypothetical protein DKFZp686G12235
Gene_Symbol=ARTS-1 type 1 tumor necrosis factor receptor shedding aminopeptidase regulator isoform a
Gene_Symbol=ASCC3L1 U5 small nuclear ribonucleoprotein 200 kDa helicase
Gene_Symbol=ASPH 26 kDa protein
Gene_Symbol=ASRGL1 asparaginase-like 1 protein
Gene_Symbol=ASS1 Argininosuccinate synthetase
Gene_Symbol=ATIC Bifunctional purine biosynthesis protein PURH
Gene_Symbol=ATP2A2 115 kDa protein
Gene_Symbol=ATP5A1 ATP synthase subunit alpha, mitochondrial precursor
Gene_Symbol=ATP5B ATP synthase subunit beta, mitochondrial precursor
Gene_Symbol=ATP5J ATP synthase coupling factor 6, mitochondrial precursor
Gene_Symbol=ATP6AP1 53 kDa protein
Gene_Symbol=ATP6AP2 Protein
Gene_Symbol=ATP6V1A Vacuolar ATP synthase catalytic subunit A, ubiquitous isoform
Gene_Symbol=ATP6V1G2;BAT1 BAT1 protein
Gene_Symbol=ATR N Isoform 1 of Attractin precursor
Gene_Symbol=AZGP1 alpha-2-glycoprotein 1, zinc
Gene_Symbol=B2M Beta-2-microglobulin precursor
Gene_Symbol=B3GALT6 Beta-1,3-galactosyltransferase 6
Gene_Symbol=B3GAT3 Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 3
Gene_Symbol=B3GNT1 N-acetylgalactosaminide beta-1,3-N-acetylglucosaminyltransferase
Gene_Symbol=B4GALT3 44 kDa protein
Gene_Symbol=BAG2 BAG family molecular chaperone regulator 2
Gene_Symbol=BANF1 Barrier-to-autointegration factor
Gene_Symbol=BAT2 Isoform 1 of Large proline-rich protein BAT2
Gene_Symbol=BCLAF1 Isoform 1 of Bcl-2-associated transcription factor 1
Gene_Symbol=BOLA2B;BOLA2 BclA-like protein 2 isoform a
Gene_Symbol=BPNT1 Isoform 1 of 3'(2'),5'-bisphosphate nucleotidase 1
Gene_Symbol=BUB3 Mitotic checkpoint protein BUB3
Gene_Symbol=C11orf58 Small acidic protein
Gene_Symbol=C13orf8 Zinc finger protein KIAA1802
Gene_Symbol=C14orf141;LTBP2 Latent-transforming growth factor beta-binding protein 2 precursor
Gene_Symbol=C14orf156 SRA stem-loop-interacting RNA-binding protein, mitochondrial precursor
Gene_Symbol=C14orf166 Protein C14orf166
Gene_Symbol=C19orf10 Uncharacterized protein C19orf10 precursor
Gene_Symbol=C1QBP Complement component 1 Q subcomponent-binding protein, mitochondrial precursor
Gene_Symbol=C1QTNF3;AMACR Alpha-methyl-acyl-CoA racemase
Gene_Symbol=C21orf33 Isoform Long of ES1 protein homolog, mitochondrial precursor
Gene_Symbol=C22orf28 UPF0027 protein C22orf28
Gene_Symbol=C4orf31 hypothetical protein LOC79625
Gene_Symbol=C5 Complement component 5 variant (Fragment)
Gene_Symbol=C6orf108 c-Myc-responsive protein Rcl
Gene_Symbol=CACYBP Isoform 1 of Calyculin-binding protein
Gene_Symbol=CALCA Isoform 1 of Calcitonin precursor
Gene_Symbol=CALM3;CALM2;CALM1 Calmodulin
Gene_Symbol=CALR Calreticulin precursor
Gene_Symbol=CALU Isoform 1 of Calumenin precursor
Gene_Symbol=CAMK2D Isoform Delta 6 of Calcium/calmodulin-dependent protein kinase type II delta chain
Gene_Symbol=CAND1 Isoform 1 of Cullin-associated NEDD8-dissociated protein 1
Gene_Symbol=CANT1 Isoform 1 of Soluble calcium-activated nucleotidase 1
Gene_Symbol=CANX Calnexin precursor
Gene_Symbol=CAP1 Adenylyl cyclase-associated protein 1

Gene_Symbol=CAPZA1 F-actin capping protein subunit alpha-1
Gene_Symbol=CAPZA2 F-actin capping protein subunit alpha-2
Gene_Symbol=CAPZB Isoform 1 of F-actin capping protein subunit beta
Gene_Symbol=CARHSP1 Calcium-regulated heat stable protein 1
Gene_Symbol=CARS cysteinyl-tRNA synthetase isoform c
Gene_Symbol=CBR1 Carbonyl reductase [NADPH] 1
Gene_Symbol=CBX1 Chromobox protein homolog 1
Gene_Symbol=CBX3;LOC653972 Chromobox protein homolog 3
Gene_Symbol=CBX5 Chromobox protein homolog 5
Gene_Symbol=CCAR1 Cell division cycle and apoptosis regulator protein 1
Gene_Symbol=CCDC25 CCDC25 protein
Gene_Symbol=CCT2 T-complex protein 1 subunit beta
Gene_Symbol=CCT3 chaperonin containing TCP1, subunit 3 isoform b
Gene_Symbol=CCT4 T-complex protein 1 subunit delta
Gene_Symbol=CCT5 T-complex protein 1 subunit epsilon
Gene_Symbol=CCT6A T-complex protein 1 subunit zeta
Gene_Symbol=CCT7 T-complex protein 1 subunit eta
Gene_Symbol=CCT8 Chaperonin containing TCP1, subunit 8 (Theta) variant
Gene_Symbol=CD9 CD9 antigen
Gene_Symbol=CDC42 Isoform 1 of Cell division control protein 42 homolog precursor
Gene_Symbol=CDC5L Cell division cycle 5-like protein
Gene_Symbol=CDH1 Epithelial-cadherin precursor
Gene_Symbol=CDH17 Cadherin-17 precursor
Gene_Symbol=CDH2 Cadherin-2 precursor
Gene_Symbol=CEACAM5 Carcinoembryonic antigen-related cell adhesion molecule 5 precursor
Gene_Symbol=CEL Carboxyl ester lipase
Gene_Symbol=CFL1 Cofilin-1
Gene_Symbol=CHERP calcium homeostasis endoplasmic reticulum protein
Gene_Symbol=CHGA chromogranin A precursor
Gene_Symbol=CHGB Secretogranin-1 precursor
Gene_Symbol=CHID1 Isoform 2 of Chitinase domain-containing protein 1 precursor
Gene_Symbol=CHST11 Isoform 1 of Carbohydrate sulfotransferase 11
Gene_Symbol=CIRBP 32 kDa protein
Gene_Symbol=CKB Creatine kinase B-type
Gene_Symbol=CKMT1B;CKMT1A Creatine kinase, ubiquitous mitochondrial precursor
Gene_Symbol=CLIC1 Chloride intracellular channel protein 1
Gene_Symbol=CLINT1 Isoform 1 of Clathrin interactor 1
Gene_Symbol=CLSTN1 calyntenin 1 isoform 2
Gene_Symbol=CLSTN2 Calsyntenin-2 precursor
Gene_Symbol=CLSTN3 Alcadein beta
Gene_Symbol=CLTC Isoform 2 of Clathrin heavy chain 1
Gene_Symbol=CLU Clusterin precursor
Gene_Symbol=CMPK cytidylate kinase
Gene_Symbol=CNBP Zinc finger protein 9
Gene_Symbol=CNDP2 PP856
Gene_Symbol=COCH Cochlin precursor
Gene_Symbol=COPA Coatamer subunit alpha
Gene_Symbol=COPB1 Coatamer subunit beta
Gene_Symbol=COPB2 Coatamer subunit beta'
Gene_Symbol=COPE epsilon subunit of coatamer protein complex isoform b
Gene_Symbol=COPG 98 kDa protein
Gene_Symbol=CORO1B;PTPRCAP Coronin-1B
Gene_Symbol=CORO1C Coronin-1C
Gene_Symbol=COTL1 Coactosin-like protein
Gene_Symbol=COX5A Cytochrome c oxidase subunit 5A, mitochondrial precursor
Gene_Symbol=CPD Carboxypeptidase D precursor
Gene_Symbol=CPE Carboxypeptidase E precursor
Gene_Symbol=CPNE1;RBM12 RNA-binding protein 12
Gene_Symbol=CPSF1 Cleavage and polyadenylation specificity factor subunit 1
Gene_Symbol=CPSF2 Cleavage and polyadenylation specificity factor subunit 2
Gene_Symbol=CREG1 Protein CREG1 precursor
Gene_Symbol=CRIP2 Cysteine-rich protein 2
Gene_Symbol=CRK v-crk sarcoma virus CT10 oncogene homolog isoform b

Gene_Symbol=CRKL Crk-like protein
Gene_Symbol=CRYZ Quinone oxidoreductase
Gene_Symbol=CS Citrate synthase, mitochondrial precursor
Gene_Symbol=CSNK2A1 Casein kinase 2 alpha isoform
Gene_Symbol=CSRP1 Cysteine and glycine-rich protein 1
Gene_Symbol=CSTB Cystatin-B
Gene_Symbol=CSTF1 Cleavage stimulation factor 50 kDa subunit
Gene_Symbol=CSTF2 Isoform 1 of Cleavage stimulation factor 64 kDa subunit
Gene_Symbol=CTAGE5 Isoform MEA6 of Cutaneous T-cell lymphoma-associated antigen 5
Gene_Symbol=CTHRC1 Isoform 1 of Collagen triple helix repeat-containing protein 1 precursor
Gene_Symbol=CTNNA1 Isoform 1 of Catenin alpha-1
Gene_Symbol=CTNNB1 Isoform 1 of Catenin beta-1
Gene_Symbol=CTNND1 Isoform 1AB of Catenin delta-1
Gene_Symbol=CTSA cathepsin A precursor
Gene_Symbol=CTSC Dipeptidyl-peptidase 1 precursor
Gene_Symbol=CTSD Cathepsin D precursor
Gene_Symbol=CTTN Src substrate cortactin
Gene_Symbol=CUTA Isoform B of Protein CutA precursor
Gene_Symbol=CYB5B cytochrome b5 outer mitochondrial membrane precursor
Gene_Symbol=CYCS Cytochrome c
Gene_Symbol=CYFIP1 Isoform 1 of Cytoplasmic FMR1-interacting protein 1
Gene_Symbol=DAG1 Dystroglycan precursor
Gene_Symbol=DAZAP1 Isoform 1 of DAZ-associated protein 1
Gene_Symbol=DBI Isoform a 1 of Acyl-CoA-binding protein
Gene_Symbol=DBN1 Drebrin
Gene_Symbol=DCI Isoform 1 of 3,2-trans-enoyl-CoA isomerase, mitochondrial precursor
Gene_Symbol=DDAH1 NG,NG-dimethylarginine dimethylaminohydrolase 1
Gene_Symbol=DDB1 DNA damage-binding protein 1
Gene_Symbol=DDC Aromatic-L-amino-acid decarboxylase
Gene_Symbol=DDR1 Isoform 1 of Epithelial discoidin domain-containing receptor 1 precursor
Gene_Symbol=DDT D-dopachrome decarboxylase
Gene_Symbol=DDX1 ATP-dependent RNA helicase DDX1
Gene_Symbol=DDX17 Isoform 1 of Probable ATP-dependent RNA helicase DDX17
Gene_Symbol=DDX17 Isoform 3 of Probable ATP-dependent RNA helicase DDX17
Gene_Symbol=DDX21 Isoform 1 of Nucleolar RNA helicase 2
Gene_Symbol=DDX42 Isoform 2 of ATP-dependent RNA helicase DDX42
Gene_Symbol=DDX46 Probable ATP-dependent RNA helicase DDX46
Gene_Symbol=DDX5 Probable ATP-dependent RNA helicase DDX5
Gene_Symbol=DECR1 2,4-dienoyl-CoA reductase, mitochondrial precursor
Gene_Symbol=DEK Protein DEK
Gene_Symbol=DHX15 DEAH (Asp-Glu-Ala-His) box polypeptide 15
Gene_Symbol=DHX9 ATP-dependent RNA helicase A
Gene_Symbol=DIDO1 Isoform 4 of Death-inducer obliterator 1
Gene_Symbol=DKC1 H/ACA ribonucleoprotein complex subunit 4
Gene_Symbol=DKFZp686O24166 Hypothetical protein DKFZp686I21167
Gene_Symbol=DLD Dihydrolipoyl dehydrogenase, mitochondrial precursor
Gene_Symbol=DLG1 Isoform 1 of Disks large homolog 1
Gene_Symbol=DNAJB1 DnaJ homolog subfamily B member 1
Gene_Symbol=DNAJB11 DnaJ homolog subfamily B member 11 precursor
Gene_Symbol=DNAJC10 DnaJ homolog subfamily C member 10
Gene_Symbol=DNAJC3 Isoform 1 of DnaJ homolog subfamily C member 3
Gene_Symbol=DNAJC8 DnaJ homolog subfamily C member 8
Gene_Symbol=DNASE2 Deoxyribonuclease-2-alpha precursor
Gene_Symbol=DNM1L Isoform 5 of Dynamin-1-like protein
Gene_Symbol=DNM2 Isoform 1 of Dynamin-2
Gene_Symbol=DSC2 Isoform 2A of Desmocollin-2 precursor
Gene_Symbol=DSG2 desmoglein 2 preproprotein
Gene_Symbol=DSP Isoform DPI of Desmoplakin
Gene_Symbol=DSTN Destrin
Gene_Symbol=DYNC1H1 532 kDa protein
Gene_Symbol=DYNC1I2 Isoform 2E of Cytoplasmic dynein 1 intermediate chain 2
Gene_Symbol=DYNLL1 Dynein light chain 1, cytoplasmic
Gene_Symbol=ECHS1 Enoyl-CoA hydratase, mitochondrial precursor

Gene_Symbol=ECM1 Extracellular matrix protein 1 precursor
Gene_Symbol=EEF1A1 Elongation factor 1-alpha 1
Gene_Symbol=EEF1B2 Elongation factor 1-beta
Gene_Symbol=EEF1D EEF1D protein
Gene_Symbol=EEF1D eukaryotic translation elongation factor 1 delta isoform 1
Gene_Symbol=EEF1E1 Eukaryotic translation elongation factor 1 epsilon-1
Gene_Symbol=EEF1G Elongation factor 1-gamma
Gene_Symbol=EEF2 Elongation factor 2
Gene_Symbol=EFTUD2 116 kDa U5 small nuclear ribonucleoprotein component
Gene_Symbol=EIF2S2 Eukaryotic translation initiation factor 2 subunit 2
Gene_Symbol=EIF3S12 Eukaryotic translation initiation factor 3 subunit 12
Gene_Symbol=EIF3S2 Eukaryotic translation initiation factor 3 subunit 2
Gene_Symbol=EIF3S3 Eukaryotic translation initiation factor 3 subunit 3
Gene_Symbol=EIF3S4 Eukaryotic translation initiation factor 3 subunit 4
Gene_Symbol=EIF3S6 Eukaryotic translation initiation factor 3 subunit 6
Gene_Symbol=EIF3S6IP DJ1014D13.1 protein
Gene_Symbol=EIF3S8 Eukaryotic translation initiation factor 3 subunit 8
Gene_Symbol=EIF3S9 99 kDa protein
Gene_Symbol=EIF4A1 Eukaryotic initiation factor 4A-I
Gene_Symbol=EIF4A2 Isoform 1 of Eukaryotic initiation factor 4A-II
Gene_Symbol=EIF4E Eukaryotic translation initiation factor 4E
Gene_Symbol=EIF4G1 EIF4G1 variant protein (Fragment)
Gene_Symbol=EIF4G2 Eukaryotic translation initiation factor 4 gamma 2
Gene_Symbol=EIF5A Isoform 2 of Eukaryotic translation initiation factor 5A-1
Gene_Symbol=EIF5B Eukaryotic translation initiation factor 5B
Gene_Symbol=ELAVL1 ELAV-like protein 1
Gene_Symbol=EML4 Echinoderm microtubule-associated protein-like 4
Gene_Symbol=ENAH Isoform 2 of Protein enabled homolog
Gene_Symbol=ENO1 Isoform alpha-enolase of Alpha-enolase
Gene_Symbol=ENO2 Gamma-enolase
Gene_Symbol=ENOPH1 Isoform 1 of Enolase-phosphatase E1
Gene_Symbol=ENSA Hypothetical protein DKFZp779B2258
Gene_Symbol=ENTPD6 Ectonucleoside triphosphate diphosphohydrolase 6
Gene_Symbol=EPHX1 Epoxide hydrolase 1
Gene_Symbol=EPRS glutamyl-prolyl tRNA synthetase
Gene_Symbol=ERH Enhancer of rudimentary homolog
Gene_Symbol=ERO1L ERO1-like protein alpha precursor
Gene_Symbol=ERP29 Endoplasmic reticulum protein ERp29 precursor
Gene_Symbol=ESD S-formylglutathione hydrolase
Gene_Symbol=EWSR1 CDNA FLJ31747 fis, clone NT2RI2007377, highly similar to RNA-BINDING PROTEIN EWS
Gene_Symbol=F10 Coagulation factor X precursor
Gene_Symbol=F11R Isoform 1 of Putative thiosulfate sulfurtransferase KAT
Gene_Symbol=F11R Junctional adhesion molecule A precursor
Gene_Symbol=F5 Coagulation factor V
Gene_Symbol=FAM3B 28 kDa protein
Gene_Symbol=FAM3C Protein FAM3C precursor
Gene_Symbol=FAM49B Protein FAM49B
Gene_Symbol=FARSA Phenylalanyl-tRNA synthetase alpha chain
Gene_Symbol=FARSB Phenylalanyl-tRNA synthetase beta chain
Gene_Symbol=FASN fatty acid synthase
Gene_Symbol=FBL rRNA 2'-O-methyltransferase fibrillarin
Gene_Symbol=FDPS Farnesyl diphosphate synthase
Gene_Symbol=FEN1 Flap endonuclease 1
Gene_Symbol=FH Isoform Mitochondrial of Fumarate hydratase, mitochondrial precursor
Gene_Symbol=FHL2 FHL2 isoform 5
Gene_Symbol=FIP1L1 Isoform 3 of Pre-mRNA 3'-end-processing factor FIP1
Gene_Symbol=FKBP1A FKBP1A protein
Gene_Symbol=FKBP3 FK506-binding protein 3
Gene_Symbol=FKBP4 FK506-binding protein 4
Gene_Symbol=FLJ10292 Protein mago nashi homolog 2
Gene_Symbol=FLJ37440 Hypothetical protein FLJ37440
Gene_Symbol=FLNA filamin A, alpha
Gene_Symbol=FLNB 278 kDa protein

Gene_Symbol=FLNC Gamma filamin variant
Gene_Symbol=FMR1 Isoform 1 of Fragile X mental retardation 1 protein
Gene_Symbol=FN1 Hypothetical protein DKFZp686K08164
Gene_Symbol=FNBP1L Isoform 3 of Formin-binding protein 1-like
Gene_Symbol=FRAS1 Isoform 2 of Extracellular matrix protein FRAS1 precursor
Gene_Symbol=FST Isoform 1 of Follistatin precursor
Gene_Symbol=FSTL4 Isoform 1 of Follistatin-related protein 4 precursor
Gene_Symbol=FUBP1 Isoform 2 of Far upstream element-binding protein 1
Gene_Symbol=FURIN Furin precursor
Gene_Symbol=FUS Fus-like protein (Fragment)
Gene_Symbol=FUSIP1 Isoform 2 of FUS-interacting serine-arginine-rich protein 1
Gene_Symbol=FXR1 Isoform 1 of Fragile X mental retardation syndrome-related protein 1
Gene_Symbol=G3BP1 Ras GTPase-activating protein-binding protein 1
Gene_Symbol=G6PD Isoform Long of Glucose-6-phosphate 1-dehydrogenase
Gene_Symbol=GAA Lysosomal alpha-glucosidase precursor
Gene_Symbol=GALC galactosylceramidase isoform a precursor
Gene_Symbol=GALNS N-acetylgalactosamine-6-sulfatase precursor
Gene_Symbol=GALNT2 Polypeptide N-acetylgalactosaminyltransferase 2
Gene_Symbol=GALNT7 N-acetylgalactosaminyltransferase 7
Gene_Symbol=GANAB 107 kDa protein
Gene_Symbol=GAPDH Glyceraldehyde-3-phosphate dehydrogenase
Gene_Symbol=GARS GARS protein
Gene_Symbol=GBA Isoform Long of Glucosylceramidase precursor
Gene_Symbol=GCG Glucagon precursor
Gene_Symbol=GCLC Glutamate--cysteine ligase catalytic subunit
Gene_Symbol=GCLM Glutamate--cysteine ligase regulatory subunit
Gene_Symbol=GDF15 Growth/differentiation factor 15 precursor
Gene_Symbol=GDI2 Rab GDP dissociation inhibitor beta
Gene_Symbol=GFPT1 Isoform 1 of Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1
Gene_Symbol=GGH Gamma-glutamyl hydrolase precursor
Gene_Symbol=GLB1 Beta-galactosidase precursor
Gene_Symbol=GLO1 Lactoylglutathione lyase
Gene_Symbol=GLOD4 Uncharacterized protein C17orf25
Gene_Symbol=GM2A Ganglioside GM2 activator precursor
Gene_Symbol=GMFB Glia maturation factor beta
Gene_Symbol=GMPS GMP synthase
Gene_Symbol=GNB2L1 Lung cancer oncogene 7
Gene_Symbol=GNPDA1 Glucosamine-6-phosphate isomerase
Gene_Symbol=GNS N-acetylglucosamine-6-sulfatase precursor
Gene_Symbol=GOLPH2 Golgi phosphoprotein 2
Gene_Symbol=GORASP2 Isoform 1 of Golgi reassembly-stacking protein 2
Gene_Symbol=GOT1 Aspartate aminotransferase, cytoplasmic
Gene_Symbol=GOT2 Aspartate aminotransferase, mitochondrial precursor
Gene_Symbol=GPC1 Glypican-1 precursor
Gene_Symbol=GPI Glucose-6-phosphate isomerase
Gene_Symbol=GPIAP1 GPI-anchored membrane protein 1
Gene_Symbol=GRHPR Glyoxylate reductase/hydroxypyruvate reductase
Gene_Symbol=GRP Isoform 1 of Gastrin-releasing peptide precursor
Gene_Symbol=GRP Isoform 2 of Gastrin-releasing peptide precursor
Gene_Symbol=GSN Isoform 1 of Gelsolin precursor
Gene_Symbol=GSR Isoform Mitochondrial of Glutathione reductase, mitochondrial precursor
Gene_Symbol=GSTA1 Glutathione S-transferase A1
Gene_Symbol=GSTP1 Glutathione S-transferase P
Gene_Symbol=GTPBP9 Isoform 1 of Putative GTP-binding protein 9
Gene_Symbol=H1FX Histone H1x
Gene_Symbol=H2AFV Histone H2AV
Gene_Symbol=H2AFY2 Core histone macro-H2A.2
Gene_Symbol=H3F3A;H3F3B Histone H3.3
Gene_Symbol=HAGH Hydroxyacylglutathione hydrolase
Gene_Symbol=HARS Histidyl-tRNA synthetase, cytoplasmic
Gene_Symbol=hCG_2015269 similar to Phosphoglycerate mutase 1 (Phosphoglycerate mutase isozyme B) (PGAM-B) (BPG-dependent PGAM 1)
Gene_Symbol=HDGF Hepatoma-derived growth factor
Gene_Symbol=HDGFRP3 Hepatoma-derived growth factor-related protein 3

Gene_Symbol=HEXA Beta-hexosaminidase alpha chain precursor
Gene_Symbol=HEXB Beta-hexosaminidase beta chain precursor
Gene_Symbol=HGD Homogentisate 1,2-dioxygenase
Gene_Symbol=HINT1 Histidine triad nucleotide-binding protein 1
Gene_Symbol=HINT2 Histidine triad nucleotide-binding protein 2
Gene_Symbol=HIP1R Huntingtin-interacting protein 1-related protein
Gene_Symbol=HIP2 Isoform 1 of Ubiquitin-conjugating enzyme E2-25 kDa
Gene_Symbol=HIST1H1B Histone H1.5
Gene_Symbol=HIST1H1C Histone H1.2
Gene_Symbol=HIST1H2AA Histone H2A type 1-A
Gene_Symbol=HIST1H2AE;HIST1H2AB Histone H2A type 1-B
Gene_Symbol=HIST1H2BE;HIST1H2BG;HIST1H2BI;HIST1H2BF;HIST1H2BC H2B histone family, member A
Gene_Symbol=HIST1H2BO Histone H2B type 1-O
Gene_Symbol=HIST1H4C;HIST2H4B;HIST2H4A;HIST1H4H;HIST1H4F;HIST1H4L;HIST1H4J;HIST1H4B;HIST1H4I;HIST1H4D;HIST4H4;HIST1H4E;HIST2H4AA3;HIST2H4AA4 Histone H2A type 2-A
Gene_Symbol=HIST2H2BC Histone H2B type 2-C
Gene_Symbol=HIST2H3A;HIST2H3C Histone H3.2
Gene_Symbol=HK1 Isoform 1 of Hexokinase-1
Gene_Symbol=HLA-A HLA class I histocompatibility antigen, A-69 alpha chain
Gene_Symbol=HLA-A Isoform 2 of HLA class I histocompatibility antigen, A-11 alpha chain precursor
Gene_Symbol=HLA-C;HLA-B;MICA;LOC730410 HLA class I histocompatibility antigen, B-58 alpha chain precursor
Gene_Symbol=HLA-C;HLA-B;MICA;LOC730410 HLA class I histocompatibility antigen, Cw-2 alpha chain precursor
Gene_Symbol=HMBS Isoform 1 of Porphobilinogen deaminase
Gene_Symbol=HMGB1 High mobility group protein B1
Gene_Symbol=HMGB2 High mobility group protein B2
Gene_Symbol=HMGB3 High mobility group protein B3
Gene_Symbol=HN1 Isoform 2 of Hematological and neurological expressed 1 protein
Gene_Symbol=HNRPA0 Heterogeneous nuclear ribonucleoprotein A0
Gene_Symbol=HNRPA1;HNRPA1L-2 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1
Gene_Symbol=HNRPA2B1 Isoform B1 of Heterogeneous nuclear ribonucleoproteins A2/B1
Gene_Symbol=HNRPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3
Gene_Symbol=HNRPA3 Isoform 2 of Heterogeneous nuclear ribonucleoprotein A/B
Gene_Symbol=HNRPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2
Gene_Symbol=HNRPC Isoform C2 of Heterogeneous nuclear ribonucleoproteins C1/C2
Gene_Symbol=HNRPDL JKTBP1delta6
Gene_Symbol=HNRPF Heterogeneous nuclear ribonucleoprotein F
Gene_Symbol=HNRPH1 Heterogeneous nuclear ribonucleoprotein H
Gene_Symbol=HNRPH2 Heterogeneous nuclear ribonucleoprotein H'
Gene_Symbol=HNRPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3
Gene_Symbol=HNRPK Isoform 3 of Heterogeneous nuclear ribonucleoprotein K
Gene_Symbol=HNRPL heterogeneous nuclear ribonucleoprotein L isoform a
Gene_Symbol=HNRPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M
Gene_Symbol=HNRPR Heterogeneous nuclear ribonucleoprotein R
Gene_Symbol=HNRPJ heterogeneous nuclear ribonucleoprotein U isoform a
Gene_Symbol=HNRPU heterogeneous nuclear ribonucleoprotein U isoform a
Gene_Symbol=HNRPUL1 Isoform 1 of Heterogeneous nuclear ribonucleoprotein U-like protein 1
Gene_Symbol=HNRPUL2 Heterogeneous nuclear ribonucleoprotein U-like protein 2
Gene_Symbol=HP1BP3 HP1-BP74
Gene_Symbol=HPRT1 Hypoxanthine-guanine phosphoribosyltransferase
Gene_Symbol=HSP90AA1 Heat shock protein HSP 90-alpha 2
Gene_Symbol=HSP90AB1 85 kDa protein
Gene_Symbol=HSP90B1 Endoplasmic precursor
Gene_Symbol=HSPA1B;HSPA1A Heat shock 70 kDa protein 1
Gene_Symbol=HSPA4 Heat shock 70 kDa protein 4
Gene_Symbol=HSPA4L Heat shock 70 kDa protein 4L
Gene_Symbol=HSPA5 HSPA5 protein
Gene_Symbol=HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein
Gene_Symbol=HSPA9 Stress-70 protein, mitochondrial precursor
Gene_Symbol=HSPB1 Heat-shock protein beta-1
Gene_Symbol=HSPD1 60 kDa heat shock protein, mitochondrial precursor
Gene_Symbol=HSPE1 10 kDa heat shock protein, mitochondrial
Gene_Symbol=HSPG2 Basement membrane-specific heparan sulfate proteoglycan core protein precursor
Gene_Symbol=HSPH1 Isoform Alpha of Heat-shock protein 105 kDa
Gene_Symbol=HTATIP2 Isoform 2 of Oxidoreductase HTATIP2

Gene_Symbol=HYOU1 150 kDa oxygen-regulated protein precursor
Gene_Symbol=IARS Isoleucyl-tRNA synthetase, cytoplasmic
Gene_Symbol=ICOSLG 52 kDa protein
Gene_Symbol=IDH1 Isocitrate dehydrogenase [NADP] cytoplasmic
Gene_Symbol=IDH2 Isocitrate dehydrogenase [NADP], mitochondrial precursor
Gene_Symbol=IDI1 isopentenyl-diphosphate delta isomerase
Gene_Symbol=IGF2R Cation-independent mannose-6-phosphate receptor precursor
Gene_Symbol=IGFBP2 Insulin-like growth factor-binding protein 2 precursor
Gene_Symbol=IGFBP3 insulin-like growth factor binding protein 3 isoform a precursor
Gene_Symbol=IGFBPL1 Insulin-like growth factor binding protein-like 1
Gene_Symbol=IL17C Interleukin-17C precursor
Gene_Symbol=ILF2 Interleukin enhancer-binding factor 2
Gene_Symbol=ILF3 Isoform 1 of Interleukin enhancer-binding factor 3
Gene_Symbol=ILF3 Isoform 5 of Interleukin enhancer-binding factor 3
Gene_Symbol=IMMT Isoform 2 of Mitochondrial inner membrane protein
Gene_Symbol=IMPA1 Inositol monophosphatase
Gene_Symbol=IMPDH2 Inosine-5'-monophosphate dehydrogenase 2
Gene_Symbol=INSM1 Insulinoma-associated protein 1
Gene_Symbol=IPO7 120 kDa protein
Gene_Symbol=IQGAP1 Ras GTPase-activating-like protein IQGAP1
Gene_Symbol=ISG15 Interferon-induced 17 kDa protein precursor
Gene_Symbol=ITPA inosine triphosphatase isoform b
Gene_Symbol=KARS Lysyl-tRNA synthetase
Gene_Symbol=KCTD12 BTB/POZ domain-containing protein KCTD12
Gene_Symbol=KHDRBS1 Isoform 3 of KH domain-containing, RNA-binding, signal transduction-associated protein 1
Gene_Symbol=KIAA0310 hypothetical protein LOC9919
Gene_Symbol=KIAA1598 Protein KIAA1598
Gene_Symbol=KIF5B Kinesin heavy chain
Gene_Symbol=KIT Mast/stem cell growth factor receptor precursor
Gene_Symbol=KLC1 Isoform K of Kinesin light chain 1
Gene_Symbol=KLK11 Isoform 1 of Kallikrein-11 precursor
Gene_Symbol=KLK14 kallikrein 14 preproprotein
Gene_Symbol=KPNA2 Importin alpha-2 subunit
Gene_Symbol=KPNB1 Importin beta-1 subunit
Gene_Symbol=KRT18 Keratin, type I cytoskeletal 18
Gene_Symbol=KRT19 Keratin, type I cytoskeletal 19
Gene_Symbol=KRT7 Keratin, type II cytoskeletal 7
Gene_Symbol=KRT8 Keratin, type II cytoskeletal 8
Gene_Symbol=KTN1 Isoform 1 of Kinectin
Gene_Symbol=LAMA1 Laminin subunit alpha-1 precursor
Gene_Symbol=LAMB1 Laminin subunit beta-1 precursor
Gene_Symbol=LAMB2 Laminin subunit beta-2 precursor
Gene_Symbol=LAMC1 Laminin subunit gamma-1 precursor
Gene_Symbol=LARS Leucyl-tRNA synthetase, cytoplasmic
Gene_Symbol=LCP1 Plastin-2
Gene_Symbol=LDHA Isoform 1 of L-lactate dehydrogenase A chain
Gene_Symbol=LDHB L-lactate dehydrogenase B chain
Gene_Symbol=LEMD3 Inner nuclear membrane protein Man1
Gene_Symbol=LFNG Isoform 1 of Beta-1,3-N-acetylglucosaminyltransferase lunatic fringe
Gene_Symbol=LGALS3BP Galectin-3-binding protein precursor
Gene_Symbol=LGMN Legumain precursor
Gene_Symbol=LIPG Isoform 1 of Endothelial lipase precursor
Gene_Symbol=LMAN1 ERGIC-53 protein precursor
Gene_Symbol=LMAN2 Vesicular integral-membrane protein VIP36 precursor
Gene_Symbol=LMNA Isoform C of Lamin-A/C
Gene_Symbol=LMNB1 Lamin-B1
Gene_Symbol=LMNB2 Lamin B2
Gene_Symbol=LOC196463 Hypothetical protein LOC196463
Gene_Symbol=LOC253012 WLKV305
Gene_Symbol=LOC388720 similar to ubiquitin and ribosomal protein S27a precursor
Gene_Symbol=LOC440055 similar to ribosomal protein S12
Gene_Symbol=LOC652595 BA395L14.12
Gene_Symbol=LOC728641;FABP5;LOC731043 Fatty acid-binding protein, epidermal



Gene_Symbol=LOC731751 similar to protein kinase, DNA-activated, catalytic polypeptide
Gene_Symbol=LPP Lipoma-preferred partner
Gene_Symbol=LRBA Lipopolysaccharide-responsive and beige-like anchor protein
Gene_Symbol=LRRRC59 Leucine-rich repeat-containing protein 59
Gene_Symbol=LRRFIP1 Isoform 1 of Leucine-rich repeat flightless-interacting protein 1
Gene_Symbol=LSR Isoform 2 of Lipolysis-stimulated lipoprotein receptor
Gene_Symbol=LTA4H Isoform 1 of Leukotriene A-4 hydrolase
Gene_Symbol=LTB4DH NADP-dependent leukotriene B4 12-hydroxydehydrogenase
Gene_Symbol=LUC7L2 Isoform 1 of Putative RNA-binding protein Luc7-like 2
Gene_Symbol=M6PRBP1 Isoform B of Mannose-6-phosphate receptor-binding protein 1
Gene_Symbol=MAGEA10 Melanoma-associated antigen 10
Gene_Symbol=MAGEA4 Melanoma-associated antigen 4
Gene_Symbol=MAN1A1 Mannosyl-oligosaccharide 1,2-alpha-mannosidase IA
Gene_Symbol=MAN1A2 Mannosyl-oligosaccharide 1,2-alpha-mannosidase IB
Gene_Symbol=MAP1B Microtubule-associated protein 1B
Gene_Symbol=MAP2 Isoform 1 of Microtubule-associated protein 2
Gene_Symbol=MAP2K1 Dual specificity mitogen-activated protein kinase kinase 1
Gene_Symbol=MAP4 Isoform 1 of Microtubule-associated protein 4
Gene_Symbol=MAPRE1 Microtubule-associated protein RP/EB family member 1
Gene_Symbol=MARS Methionyl-tRNA synthetase, cytoplasmic
Gene_Symbol=MATN2 Isoform 2 of Matrilin-2 precursor
Gene_Symbol=MATR3 100 kDa protein
Gene_Symbol=MCM3 DNA replication licensing factor MCM3
Gene_Symbol=MCM6 DNA replication licensing factor MCM6
Gene_Symbol=MDC1 Isoform 1 of Mediator of DNA damage checkpoint protein 1
Gene_Symbol=MDH1 Malate dehydrogenase, cytoplasmic
Gene_Symbol=MDH2 Malate dehydrogenase, mitochondrial precursor
Gene_Symbol=MDK Midkine precursor
Gene_Symbol=ME1 NADP-dependent malic enzyme
Gene_Symbol=MESDC2 Mesoderm development candidate 2
Gene_Symbol=MGAT4A mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A
Gene_Symbol=MIA3 similar to melanoma inhibitory activity 3 isoform 1
Gene_Symbol=MIF Macrophage migration inhibitory factor
Gene_Symbol=MLLT4 Isoform 4 of Afadin
Gene_Symbol=MMP1 Interstitial collagenase precursor
Gene_Symbol=MRLC2 Myosin regulatory light chain
Gene_Symbol=MRPL12 39S ribosomal protein L12, mitochondrial precursor
Gene_Symbol=MSN Moesin
Gene_Symbol=MTA2 Metastasis-associated protein MTA2
Gene_Symbol=MTPN Myotrophin
Gene_Symbol=MUC1 Isoform 1 of Mucin-1 precursor
Gene_Symbol=MUC13 Mucin-13 precursor
Gene_Symbol=MYH9 Myosin-9
Gene_Symbol=MYL6 Isoform Smooth muscle of Myosin light polypeptide 6
Gene_Symbol=MYO6 Isoform 2 of Myosin-VI
Gene_Symbol=NACA Similar to Nascent polypeptide associated complex alpha subunit
Gene_Symbol=NAP1L1 Nucleosome assembly protein 1-like 1
Gene_Symbol=NAP1L4 Nucleosome assembly protein 1-like 4
Gene_Symbol=NAPG Gamma-soluble NSF attachment protein
Gene_Symbol=NARS Asparaginyl-tRNA synthetase, cytoplasmic
Gene_Symbol=NASP Isoform 1 of Nuclear autoantigenic sperm protein
Gene_Symbol=NCAM1 Neural cell adhesion molecule 1, 140 kDa isoform precursor
Gene_Symbol=NCBP1 Nuclear cap-binding protein subunit 1
Gene_Symbol=NCL Isoform 1 of Nucleolin
Gene_Symbol=NDRG1 Protein NDRG1
Gene_Symbol=NDUFV2 NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial precursor
Gene_Symbol=NEDD8 NEDD8 precursor
Gene_Symbol=NELL1 Protein kinase C-binding protein NELL1 precursor
Gene_Symbol=NEU1 Sialidase-1 precursor
Gene_Symbol=NFASC Isoform 7 of Neurofascin precursor
Gene_Symbol=NHP2L1 NHP2-like protein 1
Gene_Symbol=NID1 Isoform 1 of Nidogen-1 precursor
Gene_Symbol=NIPSNAP1 Protein NipSnap1

Gene_Symbol=NIPSNAP3A Protein NipSnap3A
Gene_Symbol=NIT1 Isoform 2 of Nitrilase homolog 1
Gene_Symbol=NIT2 Nitrilase family member 2
Gene_Symbol=NME1 NME1-NME2 protein
Gene_Symbol=NNT NAD(P) transhydrogenase, mitochondrial precursor
Gene_Symbol=NOL5A Nucleolar protein Nop56
Gene_Symbol=NONO Non-POU domain-containing octamer-binding protein
Gene_Symbol=NOP5/NOP58 Nucleolar protein NOP5
Gene_Symbol=NOV Protein NOV homolog precursor
Gene_Symbol=NP CDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE
Gene_Symbol=NPC2 Epididymal secretory protein E1 precursor
Gene_Symbol=NPEPPS Puromycin-sensitive aminopeptidase
Gene_Symbol=NPM1 Isoform 2 of Nucleophosmin
Gene_Symbol=NPTX1 similar to neuronal pentraxin I precursor
Gene_Symbol=NQO1 NAD
Gene_Symbol=NQO2 Ribosylidihyronicotinamide dehydrogenase
Gene_Symbol=NRCAM Isoform 1 of Neuronal cell adhesion molecule precursor
Gene_Symbol=NRCAM NRCAM protein
Gene_Symbol=NRP1 Isoform 1 of Neuropilin-1 precursor
Gene_Symbol=NSF Vesicle-fusing ATPase
Gene_Symbol=NSFL1C Isoform 2 of NSFL1 cofactor p47
Gene_Symbol=NT5C3 Isoform 2 of Cytosolic 5'-nucleotidase III
Gene_Symbol=NUCB1 Nucleobindin-1 precursor
Gene_Symbol=NUCB2 Nucleobindin-2 precursor
Gene_Symbol=NUCKS1 Isoform 1 of Nuclear ubiquitous casein and cyclin-dependent kinases substrate
Gene_Symbol=NUDC Nuclear migration protein nudC
Gene_Symbol=NUDT21 Cleavage and polyadenylation specificity factor 5
Gene_Symbol=NUDT5 ADP-sugar pyrophosphatase
Gene_Symbol=NUDT9 Isoform 1 of ADP-ribose pyrophosphatase, mitochondrial precursor
Gene_Symbol=NUMA1 Isoform 2 of Nuclear mitotic apparatus protein 1
Gene_Symbol=NUTF2 Nuclear transport factor 2
Gene_Symbol=OCIAD1 OCIA domain containing 1 isoform 1
Gene_Symbol=OPA1 Isoform 1 of Dynamin-like 120 kDa protein, mitochondrial precursor
Gene_Symbol=OS9 76 kDa protein
Gene_Symbol=OTUB1 Hypothetical protein DKFZp564E242
Gene_Symbol=P4HB Protein disulfide-isomerase precursor
Gene_Symbol=PA2G4 Proliferation-associated protein 2G4
Gene_Symbol=PABPC1 Isoform 1 of Polyadenylate-binding protein 1
Gene_Symbol=PFAFH1B2 Platelet-activating factor acetylhydrolase IB subunit beta
Gene_Symbol=PAGE2B Putative G antigen family E member 3
Gene_Symbol=PAICS Multifunctional protein ADE2
Gene_Symbol=PAK2 similar to p21-activated kinase 2
Gene_Symbol=PAM Isoform 3 of Peptidyl-glycine alpha-amidating monooxygenase precursor
Gene_Symbol=PARK7 Protein DJ-1
Gene_Symbol=PARP1 Poly [ADP-ribose] polymerase 1
Gene_Symbol=PBEF1 Isoform 1 of Nicotinamide phosphoribosyltransferase
Gene_Symbol=PCBD1 Pterin-4-alpha-carbinolamine dehydratase
Gene_Symbol=PCBP1 Poly(rC)-binding protein 1
Gene_Symbol=PCBP2 poly(rC)-binding protein 2 isoform b
Gene_Symbol=PCDH1 protocadherin 1 isoform 2 precursor
Gene_Symbol=PCDHB10 Protocadherin beta 10 precursor
Gene_Symbol=PCDHB5 Protocadherin beta 5 precursor
Gene_Symbol=PCK2 Phosphoenolpyruvate carboxykinase [GTP], mitochondrial precursor
Gene_Symbol=PCNA Proliferating cell nuclear antigen
Gene_Symbol=PCSK1 Neuroendocrine convertase 1 precursor
Gene_Symbol=PCSK2 Neuroendocrine convertase 2 precursor
Gene_Symbol=PCSK6 Isoform PACE4E-II of Proprotein convertase subtilisin/kexin type 6 precursor
Gene_Symbol=PCSK9 Isoform 1 of Proprotein convertase subtilisin/kexin type 9 precursor
Gene_Symbol=PDCD6IP PDCD6IP protein
Gene_Symbol=PDGFD Isoform 2 of Platelet-derived growth factor D precursor
Gene_Symbol=PDIA3 Protein disulfide-isomerase A3 precursor
Gene_Symbol=PDIA4 Protein disulfide-isomerase A4 precursor
Gene_Symbol=PDIA6 Isoform 2 of Protein disulfide-isomerase A6 precursor

Gene_Symbol=PEBP1 Phosphatidylethanolamine-binding protein 1
Gene_Symbol=PFDN2 Prefoldin subunit 2
Gene_Symbol=PFDN4 Prefoldin subunit 4
Gene_Symbol=PFN1 Profilin-1
Gene_Symbol=PFN2 Isoform 1Ib of Profilin-2
Gene_Symbol=PGD 6-phosphogluconate dehydrogenase, decarboxylating
Gene_Symbol=PGK1 Phosphoglycerate kinase 1
Gene_Symbol=PGLS 6-phosphogluconolactonase
Gene_Symbol=PGM2 Phosphoglucomutase-2
Gene_Symbol=PGRMC1 Membrane-associated progesterone receptor component 1
Gene_Symbol=PHGDH D-3-phosphoglycerate dehydrogenase
Gene_Symbol=PHPT1 14 kDa phosphohistidine phosphatase
Gene_Symbol=PIR Pirin
Gene_Symbol=PITX1;H2AFY H2A histone family, member Y isoform 2
Gene_Symbol=PKM2 Isoform M2 of Pyruvate kinase isozymes M1/M2
Gene_Symbol=PLEC1 plectin 1 isoform 1
Gene_Symbol=PLEC1 plectin 1 isoform 10
Gene_Symbol=PLG Plasminogen precursor
Gene_Symbol=PLOD1 Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1 precursor
Gene_Symbol=PLOD3 Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3 precursor
Gene_Symbol=PLRG1 Isoform 1 of Pleiotropic regulator 1
Gene_Symbol=PLXDC2 Isoform 1 of Plexin domain-containing protein 2 precursor
Gene_Symbol=PNN Protein
Gene_Symbol=POFUT1 Isoform 1 of GDP-fucose protein O-fucosyltransferase 1 precursor
Gene_Symbol=PPA1 Inorganic pyrophosphatase
Gene_Symbol=PPA2 Isoform 1 of Inorganic pyrophosphatase 2, mitochondrial precursor
Gene_Symbol=PPIA;LOC654188;LOC653214 Peptidyl-prolyl cis-trans isomerase A
Gene_Symbol=PIIB peptidylprolyl isomerase B precursor
Gene_Symbol=PIIF Peptidyl-prolyl cis-trans isomerase, mitochondrial precursor
Gene_Symbol=PPM1A Isoform Alpha-1 of Protein phosphatase 2C isoform alpha
Gene_Symbol=PPM1E Protein phosphatase 1E
Gene_Symbol=PPP1CB Serine/threonine-protein phosphatase PP1-beta catalytic subunit
Gene_Symbol=PPP1R14B Similar to Protein phosphatase 1 regulatory subunit 14B
Gene_Symbol=PPP2R1A alpha isoform of regulatory subunit A, protein phosphatase 2
Gene_Symbol=PPT1 Palmitoyl-protein thioesterase 1
Gene_Symbol=PRCP prolylcarboxypeptidase isoform 2 preproprotein
Gene_Symbol=PRDX1 Peroxiredoxin-1
Gene_Symbol=PRDX2 Peroxiredoxin-2
Gene_Symbol=PRDX3 Thioredoxin-dependent peroxide reductase, mitochondrial precursor
Gene_Symbol=PRDX4 Peroxiredoxin-4
Gene_Symbol=PRDX5 Isoform Mitochondrial of Peroxiredoxin-5, mitochondrial precursor
Gene_Symbol=PRDX6 Peroxiredoxin-6
Gene_Symbol=PRKCSH Glucosidase 2 subunit beta precursor
Gene_Symbol=PRKDC Isoform 1 of DNA-dependent protein kinase catalytic subunit
Gene_Symbol=PRMT5 Protein arginine N-methyltransferase 5
Gene_Symbol=PROM1 Prominin-1 precursor
Gene_Symbol=PROS1 Vitamin K-dependent protein S precursor
Gene_Symbol=PRPF19 Pre-mRNA-processing factor 19
Gene_Symbol=PRPF6 Pre-mRNA-processing factor 6
Gene_Symbol=PRSS1 Trypsin-1 precursor
Gene_Symbol=PRSS2 Protease serine 2 isoform B
Gene_Symbol=PSAP Isoform Sap-mu-0 of Proactivator polypeptide precursor
Gene_Symbol=PSIP1 Isoform 1 of PC4 and SFRS1-interacting protein
Gene_Symbol=PSMA1 Isoform Short of Proteasome subunit alpha type 1
Gene_Symbol=PSMA2 Proteasome subunit alpha type 2
Gene_Symbol=PSMA4 PSMA4 protein
Gene_Symbol=PSMA5 Proteasome subunit alpha type 5
Gene_Symbol=PSMA6 Proteasome subunit alpha type 6
Gene_Symbol=PSMA7 Isoform 1 of Proteasome subunit alpha type 7
Gene_Symbol=PSMB1 Proteasome subunit beta type 1 precursor
Gene_Symbol=PSMB2 Proteasome subunit beta type 2
Gene_Symbol=PSMB3 Proteasome subunit beta type 3
Gene_Symbol=PSMB4 Proteasome subunit beta type 4 precursor

Gene_Symbol=PSMB7 Proteasome subunit beta type 7 precursor
Gene_Symbol=PSMB8 Isoform 1 of Proteasome subunit beta type 8 precursor
Gene_Symbol=PSMC5 26S protease regulatory subunit 8
Gene_Symbol=PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1
Gene_Symbol=PSMD11 Proteasome 26S non-ATPase subunit 11 variant (Fragment)
Gene_Symbol=PSMD12 26S proteasome non-ATPase regulatory subunit 12
Gene_Symbol=PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2
Gene_Symbol=PSMD2 26S proteasome non-ATPase regulatory subunit 2
Gene_Symbol=PSMD3 26S proteasome non-ATPase regulatory subunit 3
Gene_Symbol=PSMD7 26S proteasome non-ATPase regulatory subunit 7
Gene_Symbol=PSME1 29 kDa protein
Gene_Symbol=PSME2 Proteasome activator complex subunit 2
Gene_Symbol=PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1
Gene_Symbol=PTGES3 Prostaglandin E synthase 3
Gene_Symbol=PTGFRN Prostaglandin F2 receptor negative regulator precursor
Gene_Symbol=PTPLAD1 Protein-tyrosine phosphatase-like A domain-containing protein 1
Gene_Symbol=PTPN11 Isoform 2 of Tyrosine-protein phosphatase non-receptor type 11
Gene_Symbol=PTPRF protein tyrosine phosphatase, receptor type, F isoform 2 precursor
Gene_Symbol=PTPRF Receptor-type tyrosine-protein phosphatase F precursor
Gene_Symbol=PTPRK Receptor-type tyrosine-protein phosphatase kappa precursor
Gene_Symbol=PYGB Glycogen phosphorylase, brain form
Gene_Symbol=PYGL Glycogen phosphorylase, liver form
Gene_Symbol=QARS Glutamyl-tRNA synthetase
Gene_Symbol=QSCN6 Isoform 1 of Sulfhydryl oxidase 1 precursor
Gene_Symbol=QSCN6L1 78 kDa protein
Gene_Symbol=RAB14 Ras-related protein Rab-14
Gene_Symbol=RAB2A 21 kDa protein
Gene_Symbol=RAB7A Ras-related protein Rab-7
Gene_Symbol=RAD23B UV excision repair protein RAD23 homolog B
Gene_Symbol=RALY RNA binding protein (Fragment)
Gene_Symbol=RAN 26 kDa protein
Gene_Symbol=RANBP1 Ran-specific GTPase-activating protein
Gene_Symbol=RANBP2 E3 SUMO-protein ligase RanBP2
Gene_Symbol=RANBP5 127 kDa protein
Gene_Symbol=RAP1A Ras-related protein Rap-1A precursor
Gene_Symbol=RBBP4 Histone-binding protein RBBP4
Gene_Symbol=RBBP7 Retinoblastoma binding protein 7
Gene_Symbol=RBM12B RNA binding motif protein 12B
Gene_Symbol=RBM22 Pre-mRNA-splicing factor RBM22
Gene_Symbol=RBM25 RNA binding motif protein 25
Gene_Symbol=RBM8A Isoform 1 of RNA-binding protein 8A
Gene_Symbol=RBMXL1;CCBL2 RNA binding motif protein, X-linked-like 1
Gene_Symbol=RCC1 regulator of chromosome condensation 1 isoform a
Gene_Symbol=RCC2 Protein RCC2
Gene_Symbol=RFC1 Isoform 1 of Replication factor C subunit 1
Gene_Symbol=RHOA Transforming protein RhoA precursor
Gene_Symbol=RNASE4;ANG Angiogenin precursor
Gene_Symbol=RNFB40 Isoform 1 of E3 ubiquitin-protein ligase BRE1B
Gene_Symbol=RNH1 Ribonuclease inhibitor
Gene_Symbol=RP6-166C19.3;RP6-166C19.5;RP6-166C19.4;RP6-166C19.1;CT47.8;RP6-166C19.6;RP6-166C19.10;RP6-166C19.11;RP6-166C19.12;RP6-166C19.13;RP6-166C19.14;RP6-166C19.15;RP6-166C19.16;RP6-166C19.17;RP6-166C19.18;RP6-166C19.19;RP6-166C19.20;RP6-166C19.21;RP6-166C19.22;RP6-166C19.23;RP6-166C19.24;RP6-166C19.25;RP6-166C19.26;RP6-166C19.27;RP6-166C19.28;RP6-166C19.29;RP6-166C19.30;RP6-166C19.31;RP6-166C19.32;RP6-166C19.33;RP6-166C19.34;RP6-166C19.35;RP6-166C19.36;RP6-166C19.37;RP6-166C19.38;RP6-166C19.39;RP6-166C19.40;RP6-166C19.41;RP6-166C19.42;RP6-166C19.43;RP6-166C19.44;RP6-166C19.45;RP6-166C19.46;RP6-166C19.47;RP6-166C19.48;RP6-166C19.49;RP6-166C19.50;RP6-166C19.51;RP6-166C19.52;RP6-166C19.53;RP6-166C19.54;RP6-166C19.55;RP6-166C19.56;RP6-166C19.57;RP6-166C19.58;RP6-166C19.59;RP6-166C19.60;RP6-166C19.61;RP6-166C19.62;RP6-166C19.63;RP6-166C19.64;RP6-166C19.65;RP6-166C19.66;RP6-166C19.67;RP6-166C19.68;RP6-166C19.69;RP6-166C19.70;RP6-166C19.71;RP6-166C19.72;RP6-166C19.73;RP6-166C19.74;RP6-166C19.75;RP6-166C19.76;RP6-166C19.77;RP6-166C19.78;RP6-166C19.79;RP6-166C19.80;RP6-166C19.81;RP6-166C19.82;RP6-166C19.83;RP6-166C19.84;RP6-166C19.85;RP6-166C19.86;RP6-166C19.87;RP6-166C19.88;RP6-166C19.89;RP6-166C19.90;RP6-166C19.91;RP6-166C19.92;RP6-166C19.93;RP6-166C19.94;RP6-166C19.95;RP6-166C19.96;RP6-166C19.97;RP6-166C19.98;RP6-166C19.99;RP6-166C19.100
Gene_Symbol=RPA1 Replication protein A 70 kDa DNA-binding subunit
Gene_Symbol=RPA2 Isoform 3 of Replication protein A 32 kDa subunit
Gene_Symbol=RPA3 Replication protein A 14 kDa subunit
Gene_Symbol=RPL10A 60S ribosomal protein L10a
Gene_Symbol=RPL11 Isoform 1 of 60S ribosomal protein L11
Gene_Symbol=RPL12 60S ribosomal protein L12
Gene_Symbol=RPL14 RPL14 protein
Gene_Symbol=RPL17 60S ribosomal protein L17
Gene_Symbol=RPL18 60S ribosomal protein L18
Gene_Symbol=RPL22 60S ribosomal protein L22
Gene_Symbol=RPL23A 60S ribosomal protein L23a
Gene_Symbol=RPL27 60S ribosomal protein L27
Gene_Symbol=RPL30 60S ribosomal protein L30

Gene_Symbol=RPL38 60S ribosomal protein L38
Gene_Symbol=RPL5 60S ribosomal protein L5
Gene_Symbol=RPL8 60S ribosomal protein L8
Gene_Symbol=RPLP0 60S acidic ribosomal protein P0
Gene_Symbol=RPLP1;hCG_1641617 60S acidic ribosomal protein P1
Gene_Symbol=RPLP2 60S acidic ribosomal protein P2
Gene_Symbol=RPS10 40S ribosomal protein S10
Gene_Symbol=RPS13 40S ribosomal protein S13
Gene_Symbol=RPS19 40S ribosomal protein S19
Gene_Symbol=RPS2 40S ribosomal protein S2
Gene_Symbol=RPS20 40S ribosomal protein S20
Gene_Symbol=RPS21 40S ribosomal protein S21
Gene_Symbol=RPS27A;UBC;UBB ubiquitin and ribosomal protein S27a precursor
Gene_Symbol=RPS3 40S ribosomal protein S3
Gene_Symbol=RPS4X 40S ribosomal protein S4, X isoform
Gene_Symbol=RPS7 40S ribosomal protein S7
Gene_Symbol=RPS8 40S ribosomal protein S8
Gene_Symbol=RPSA;LOC388524 Ribosomal protein SA
Gene_Symbol=RRBP1 Isoform 1 of Ribosome-binding protein 1
Gene_Symbol=RRBP1 Isoform 3 of Ribosome-binding protein 1
Gene_Symbol=RTBDN retbindin isoform 2
Gene_Symbol=RUVBL2 RuvB-like 2
Gene_Symbol=S100A11 Protein S100-A11
Gene_Symbol=SAE2 SUMO-activating enzyme subunit 2
Gene_Symbol=SAFB Scaffold attachment factor B
Gene_Symbol=SAFB2 Scaffold attachment factor B2
Gene_Symbol=SART1 U4/U6.U5 tri-snRNP-associated protein 1
Gene_Symbol=SART3 Isoform 1 of Squamous cell carcinoma antigen recognized by T-cells 3
Gene_Symbol=SCAMP3 Isoform 1 of Secretory carrier-associated membrane protein 3
Gene_Symbol=SCG2 Secretogranin-2 precursor
Gene_Symbol=SCG3 Secretogranin-3 precursor
Gene_Symbol=SCG5 Isoform 1 of Neuroendocrine protein 7B2 precursor
Gene_Symbol=SCYE1 37 kDa protein
Gene_Symbol=SDCBP Syntenin-1
Gene_Symbol=SDF2 Stromal cell-derived factor 2 precursor
Gene_Symbol=SDF4 45 kDa calcium-binding protein precursor
Gene_Symbol=SDSL Serine dehydratase-like
Gene_Symbol=SEC23B Protein transport protein Sec23B
Gene_Symbol=SELENBP1 selenium binding protein 1
Gene_Symbol=SEPHS1 Selenide, water dikinase 1
Gene_Symbol=SEPT2 Septin-2
Gene_Symbol=SEPT7 Isoform 1 of Septin-7
Gene_Symbol=SERBP1 Isoform 1 of Plasminogen activator inhibitor 1 RNA-binding protein
Gene_Symbol=SERPINA1 Alpha-1-antitrypsin precursor
Gene_Symbol=SERPINB1 Leukocyte elastase inhibitor
Gene_Symbol=SERPINI1 Neuroserpin precursor
Gene_Symbol=SET Isoform 2 of Protein SET
Gene_Symbol=SEZ6L2 Seizure 6-like protein 2
Gene_Symbol=SF1 Isoform 5 of Splicing factor 1
Gene_Symbol=SF3A1 Splicing factor 3 subunit 1
Gene_Symbol=SF3A2 SF3A2 protein (Fragment)
Gene_Symbol=SF3A3 Splicing factor 3A subunit 3
Gene_Symbol=SF3B1 Splicing factor 3B subunit 1
Gene_Symbol=SF3B2 splicing factor 3B subunit 2
Gene_Symbol=SF3B3 Isoform 1 of Splicing factor 3B subunit 3
Gene_Symbol=SF3B4 Splicing factor 3B subunit 4
Gene_Symbol=SF3B5 Splicing factor 3B subunit 5
Gene_Symbol=SNRN Isoform 1 of 14-3-3 protein sigma
Gene_Symbol=SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich
Gene_Symbol=SFRS1 Isoform ASF-1 of Splicing factor, arginine/serine-rich 1
Gene_Symbol=SFRS10 Isoform 1 of Arginine/serine-rich-splicing factor 10
Gene_Symbol=SFRS3 Splicing factor, arginine/serine-rich 3
Gene_Symbol=SFRS7 Isoform 1 of Splicing factor, arginine/serine-rich 7

Gene_Symbol=SFRS9 Splicing factor, arginine/serine-rich 9
Gene_Symbol=SHMT2 Serine hydroxymethyltransferase, mitochondrial precursor
Gene_Symbol=SIAHBP1 SIAHBP1 protein
Gene_Symbol=SIL1 Nucleotide exchange factor SIL1 precursor
Gene_Symbol=SKIV2L2 Superkiller viralicidic activity 2-like 2
Gene_Symbol=SKP1A Isoform 1 of S-phase kinase-associated protein 1A
Gene_Symbol=SLC25A13 Mitochondrial aspartate-glutamate carrier protein
Gene_Symbol=SLC3A2 4F2 cell-surface antigen heavy chain
Gene_Symbol=SMARCA5 SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 5
Gene_Symbol=SMARCC1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1
Gene_Symbol=SMARCC2 Isoform 2 of SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily C member 2
Gene_Symbol=SMARCE1 Protein
Gene_Symbol=SMC1A Structural maintenance of chromosomes protein 1A
Gene_Symbol=SMC3 Structural maintenance of chromosomes protein 3
Gene_Symbol=SMOC1 Isoform 2 of SPARC-related modular calcium-binding protein 1 precursor
Gene_Symbol=SMOC2 Isoform 2 of SPARC-related modular calcium-binding protein 2 precursor
Gene_Symbol=SND1 Staphylococcal nuclease domain-containing protein 1
Gene_Symbol=SNRP70 Isoform 2 of U1 small nuclear ribonucleoprotein 70 kDa
Gene_Symbol=SNRPB Isoform SM-B' of Small nuclear ribonucleoprotein-associated proteins B and B'
Gene_Symbol=SNRPB2 U2 small nuclear ribonucleoprotein B''
Gene_Symbol=SNRPD1 Small nuclear ribonucleoprotein Sm D1
Gene_Symbol=SNRPD2 Small nuclear ribonucleoprotein Sm D2
Gene_Symbol=SNRPD3 Small nuclear ribonucleoprotein Sm D3
Gene_Symbol=SNRPE Small nuclear ribonucleoprotein E
Gene_Symbol=SNRPG Small nuclear ribonucleoprotein G
Gene_Symbol=SNW1 SNW domain-containing protein 1
Gene_Symbol=SOD1 16 kDa protein
Gene_Symbol=SOD2 Superoxide dismutase [Mn], mitochondrial precursor
Gene_Symbol=SON Isoform J of SON protein
Gene_Symbol=SORT1 Sortilin precursor
Gene_Symbol=SPINT1 Isoform 1 of Kunitz-type protease inhibitor 1 precursor
Gene_Symbol=SPP1 Isoform A of Osteopontin precursor
Gene_Symbol=SPTAN1 Isoform 1 of Spectrin alpha chain, brain
Gene_Symbol=SPTBN1 Isoform Long of Spectrin beta chain, brain 1
Gene_Symbol=SQSTM1 Isoform 1 of Sequestosome-1
Gene_Symbol=SR140 Isoform 1 of U2-associated protein SR140
Gene_Symbol=SRP54 Signal recognition particle 54 kDa protein
Gene_Symbol=SRP9;hCG_1781062 Signal recognition particle 9 kDa protein
Gene_Symbol=SRXN1;SCRT2 Sulfiredoxin-1
Gene_Symbol=SSB Lupus La protein
Gene_Symbol=SSRP1 FACT complex subunit SSRP1
Gene_Symbol=ST13 Hsc70-interacting protein
Gene_Symbol=ST14 Suppressor of tumorigenicity protein 14
Gene_Symbol=STIP1 Stress-induced-phosphoprotein 1
Gene_Symbol=STMN1 Stathmin
Gene_Symbol=STXBP2 Syntaxin-binding protein 2
Gene_Symbol=SUB1 Activated RNA polymerase II transcriptional coactivator p15
Gene_Symbol=SUMF2 Isoform 3 of Sulfatase-modifying factor 2 precursor
Gene_Symbol=SUPT16H FACT complex subunit SPT16
Gene_Symbol=SUPT6H 199 kDa protein
Gene_Symbol=SYNCRIP Isoform 1 of Heterogeneous nuclear ribonucleoprotein Q
Gene_Symbol=SYNE2 Isoform 1 of Nesprin-2
Gene_Symbol=TACC2 Transforming, acidic coiled-coil containing protein 2
Gene_Symbol=TACSTD1 Tumor-associated calcium signal transducer 1 precursor
Gene_Symbol=TAGLN2;CCDC19 Transgelin-2
Gene_Symbol=TALDO1 Transaldolase
Gene_Symbol=TARDBP TAR DNA-binding protein 43
Gene_Symbol=TARS Threonyl-tRNA synthetase, cytoplasmic
Gene_Symbol=TBCA Tubulin-specific chaperone A
Gene_Symbol=TCERG1 Transcription elongation regulator 1
Gene_Symbol=TCN2 Transcobalamin-2 precursor
Gene_Symbol=TCP1 T-complex protein 1 subunit alpha
Gene_Symbol=TFG Protein TFG

Gene_Symbol=TFPI Isoform Alpha of Tissue factor pathway inhibitor precursor
Gene_Symbol=TFRC Transferrin receptor protein 1
Gene_Symbol=THOC4 THO complex subunit 4
Gene_Symbol=THRAP3 Thyroid hormone receptor-associated protein 3
Gene_Symbol=TIAL1 Nucleolysin TIAR
Gene_Symbol=TIMP1 Metalloproteinase inhibitor 1 precursor
Gene_Symbol=TIMP2 Metalloproteinase inhibitor 2 precursor
Gene_Symbol=TKT Transketolase
Gene_Symbol=TLN1 271 kDa protein
Gene_Symbol=TMEM137;RBM14 Isoform 1 of RNA-binding protein 14
Gene_Symbol=TMEM4 Isoform 1 of MIR-interacting saposin-like protein precursor
Gene_Symbol=TMOD3 Tropomodulin-3
Gene_Symbol=TMPO Isoform Beta of Lamina-associated polypeptide 2, isoforms beta/gamma
Gene_Symbol=TNFRSF11B Tumor necrosis factor receptor superfamily member 11B precursor
Gene_Symbol=TNPO1 Transportin 1 (Importin beta)-2
Gene_Symbol=TOMM70A Mitochondrial precursor proteins import receptor
Gene_Symbol=TOP1 DNA topoisomerase 1
Gene_Symbol=TOP2A 183 kDa protein
Gene_Symbol=TOR1B Torsin B precursor
Gene_Symbol=TPD52 Tumor protein D52
Gene_Symbol=TPI1 Triosephosphate isomerase 1 variant
Gene_Symbol=TPM3 29 kDa protein
Gene_Symbol=PPP1 Isoform 1 of Tripeptidyl-peptidase 1 precursor
Gene_Symbol=PPP2 Tripeptidyl peptidase II
Gene_Symbol=TPR Nucleoprotein TPR
Gene_Symbol=TRIM28 Isoform 1 of Transcription intermediary factor 1-beta
Gene_Symbol=TRIM72 Isoform 1 of Tripartite motif-containing protein 72
Gene_Symbol=TRIP11 Thyroid receptor-interacting protein 11
Gene_Symbol=TROVE2 Isoform Long of 60 kDa SS-A/Ro ribonucleoprotein
Gene_Symbol=TSN Translin
Gene_Symbol=TUBA1B Tubulin alpha-ubiquitous chain
Gene_Symbol=TUBA1C Tubulin alpha-6 chain
Gene_Symbol=TUBB Tubulin beta chain
Gene_Symbol=TUBB2A Tubulin beta-2A chain
Gene_Symbol=TUBB2C Tubulin beta-2C chain
Gene_Symbol=TWF1 twinfilin 1
Gene_Symbol=TWF2 Twinfilin-2
Gene_Symbol=TXN Thioredoxin
Gene_Symbol=TXNDC12 Thioredoxin domain-containing protein 12 precursor
Gene_Symbol=TXNDC4 Thioredoxin domain-containing protein 4 precursor
Gene_Symbol=TXNDC5;MUTED thioredoxin domain containing 5 isoform 2
Gene_Symbol=TXNL1 Thioredoxin-like protein 1
Gene_Symbol=TXNL2 Thioredoxin-like protein 2
Gene_Symbol=U2AF1 Splicing factor U2AF 35 kDa subunit
Gene_Symbol=U2AF2 Splicing factor U2AF 65 kDa subunit
Gene_Symbol=UBAP2L Isoform 3 of Ubiquitin-associated protein 2-like
Gene_Symbol=UBE1 Ubiquitin-activating enzyme E1
Gene_Symbol=UBE1C NEDD8-activating enzyme E1 catalytic subunit
Gene_Symbol=UBE2I SUMO-conjugating enzyme UBC9
Gene_Symbol=UBE2L3 Ubiquitin-conjugating enzyme E2 L3
Gene_Symbol=UBE2N Ubiquitin-conjugating enzyme E2 N
Gene_Symbol=UBE2V1;Kua-UEV Isoform 1 of Ubiquitin-conjugating enzyme E2 variant 1
Gene_Symbol=UBQLN4 Ubiquilin-4
Gene_Symbol=UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1
Gene_Symbol=UCHL5 Isoform 2 of Ubiquitin carboxyl-terminal hydrolase isozyme L5
Gene_Symbol=UFC1 Ufm1-conjugating enzyme 1
Gene_Symbol=UGCG1.1 UDP-glucose:glycoprotein glucosyltransferase 1 precursor
Gene_Symbol=UGDH UDP-glucose 6-dehydrogenase
Gene_Symbol=UGP1 UTP--glucose-1-phosphate uridylyltransferase 1
Gene_Symbol=UNQ2541 MSFL2541
Gene_Symbol=USP14 Ubiquitin carboxyl-terminal hydrolase 14
Gene_Symbol=USP15 Isoform 1 of Ubiquitin carboxyl-terminal hydrolase 15
Gene_Symbol=USP5 Isoform Long of Ubiquitin carboxyl-terminal hydrolase 5

Gene_Symbol=USP7 Ubiquitin carboxyl-terminal hydrolase 7
Gene_Symbol=VAPA Vesicle-associated membrane protein-associated protein A
Gene_Symbol=VAR5 Valyl-tRNA synthetase
Gene_Symbol=VAT1 Synaptic vesicle membrane protein VAT-1 homolog
Gene_Symbol=VCL Isoform 1 of Vinculin
Gene_Symbol=VCP Transitional endoplasmic reticulum ATPase
Gene_Symbol=VGF VGF nerve growth factor inducible precursor
Gene_Symbol=VIL1 Villin-1
Gene_Symbol=VISA Isoform 1 of Mitochondrial antiviral-signaling protein
Gene_Symbol=VPS35 Vacuolar protein sorting-associated protein 35
Gene_Symbol=WARS tryptophanyl-tRNA synthetase isoform b
Gene_Symbol=WDR1 Isoform 2 of WD repeat protein 1
Gene_Symbol=XPO1 Exportin-1
Gene_Symbol=XRCC5 ATP-dependent DNA helicase 2 subunit 2
Gene_Symbol=XRCC6 70 kDa protein
Gene_Symbol=YBX1 Nuclease sensitive element-binding protein 1
Gene_Symbol=YWHAB Isoform Long of 14-3-3 protein beta/alpha
Gene_Symbol=YWHAE 14-3-3 protein epsilon
Gene_Symbol=YWHAG 14-3-3 protein gamma
Gene_Symbol=YWHAQ 14-3-3 protein theta
Gene_Symbol=YWHAZ 14-3-3 protein zeta/delta
Gene_Symbol=ZFR 117 kDa protein
Gene_Symbol=ZNF207 Isoform 3 of Zinc finger protein 207



CM of the 3 replicates (Rep1-3) of H1688 from Mascot and X! Tan

Number of s	Accession numbers	Protein molecular weight (AMU)	H1688-Rep1 (CCL257-S1)
1	IPI00797738	12017.4	100%
1	IPI00795717	19044.7	70%
1	IPI00478011	21412.7	70%
1	IPI00647593	23284.1	0
1	IPI00472119	29953.5	70%
1	IPI00795769	51765.4	70%
1	IPI00783641	71135.5	100%
1	IPI00785057	48889.5	0
1	IPI00384863	12523.4	100%
1	IPI00382617	31463.9	100%
1	IPI00789847	90085.6	100%
1	IPI00169276	26521.2	0
1	IPI00784131	106694.8	70%
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1	IPI00063827	22328	100%
2	IPI00020982,IPI00219832	85323.9	99%
1	IPI00440499	30966.6	0
1	IPI00009315	60574.7	0
1	IPI00437751	149700.9	100%
1	IPI00007334	151869.9	70%
2	IPI00021290,IPI00394838	120824.8	70%
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2	IPI00021439,IPI00021440	41719.8	100%
1	IPI00759776	105554.2	100%
1	IPI00013808	104839.2	100%
1	IPI00028091	47353.8	100%
1	IPI00013897	84125	100%
1	IPI00420069	90365.2	100%
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1	IPI00220271	36555.6	100%
2	IPI00413641,IPI00556258	35835.9	100%
1	IPI00105407	36003.4	100%
1	IPI00029733	36771.1	100%
1	IPI00291483	36827.1	100%
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1	IPI00479877	56274.4	0
1	IPI00465439	39402.6	100%
1	IPI00418262	39438.2	100%
1	IPI00022426	38981.6	100%
2	IPI00025849,IPI00449263	28568.1	100%
2	IPI00007423,IPI00759824	28770.6	70%
2	IPI00165393,IPI00640833	30675.3	100%
1	IPI00329801	35920.6	100%
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1	IPI00328748	26886.4	100%
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1	IPI00747443	114723.8	0
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1	IPI00303476	56542.5	100%
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1	IPI00641829	50662.1	100%
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1	IPI00410214	33374.7	0
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1	IPI00009922	12331	100%
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1	IPI00008274	51837.5	0

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1	IPI00027443	94622.2	100%
1	IPI00295386	30356.8	100%
1	IPI00010320	21400.1	70%
1	IPI00297579	20794	100%
1	IPI00024662	22207.6	100%
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1	IPI00797903	23884.9	0
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1	IPI00302927	57908	100%
1	IPI00010720	59654.3	100%
1	IPI00027626	58007.3	100%
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1	IPI00290085	99793.8	100%
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1	IPI00012011	18485.2	100%
1	IPI00333010	103684.7	99%
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1	IPI00006601	78228.1	100%
2	IPI00301185,IPI00306719	47597.8	70%
1	IPI00099831	41537.6	100%
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1	IPI00022977	42627.1	100%
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1	IPI00005491	107001.7	100%
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1	IPI00430812	19573.2	0
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2	IPI00012386,IPI00791735	59465.3	100%
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1	IPI00220219	102471.1	70%
1	IPI00399318	28779.5	0
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1	IPI00007058	54216.9	100%
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1	IPI00017704	15927.2	0
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1	IPI00027078	152915.4	70%
1	IPI00031121	63657.9	100%
1	IPI00550308	97378.8	70%
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1	IPI00006034	22474.5	70%
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1	IPI00025366	51695.7	100%
1	IPI00741317	45263.8	0
1	IPI00442073	20549.1	100%
1	IPI00021828	11121.3	100%
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2	IPI00006122,IPI00515009	90939.4	0
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1	IPI00215948	100054.9	70%
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24	IPI00182469,IPI00182540,IPI00219725,IF	107333	70%
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1	IPI00011229	44535	100%
1	IPI00029601	61743.7	70%
3	IPI00034319,IPI00554556,IPI00554634	19098.1	100%
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1	IPI00028911	97563.3	100%
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3	IPI00010182,IPI00218836,IPI00815745	10026.8	100%
2	IPI00003406,IPI00295624	71406.5	100%
1	IPI00300567	32798.5	70%
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1	IPI00017617	69131.7	100%
1	IPI00003482	36050.9	0
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1	IPI00396435	92813.4	70%
1	IPI00742905	146459	100%
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1	IPI00221394	57657.2	14%
1	IPI00398918	50809.8	70%
1	IPI00015911	54132.4	0
7	IPI00030351,IPI00218729,IPI00552213,IF	100338.4	70%
1	IPI00015947	38027.6	70%
1	IPI00008454	40496.6	100%
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1	IPI00006713	57564.2	0
1	IPI00003438	29824.2	100%
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1	IPI00028931	122276.4	100%
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1	IPI00473014	18488.2	70%
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1	IPI00178440	24746.2	100%
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1	IPI00642971	71390.3	0
1	IPI00003588	19793.1	70%
2	IPI00000875,IPI00747497	50101.4	100%
1	IPI00186290	95322.1	100%
1	IPI00003519	109420.1	98%
2	IPI00021728,IPI00793912	38371.7	0
1	IPI00033143	25042.4	0
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1	IPI00647650	41563.7	0
1	IPI00290460	35594	16%
1	IPI00013068	52204.6	70%
1	IPI00465233	70886.5	100%
2	IPI00016910,IPI00646839	105329.2	70%
1	IPI00747447	99084.7	70%
1	IPI00025491	46137.3	100%
2	IPI00328328,IPI00409717	46385.6	70%
1	IPI00027485	25079.6	0
7	IPI00220365,IPI00384463,IPI00386533,IF	178140.1	99%
1	IPI00015952	102348.8	0
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1	IPI00386755	54376.7	70%
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1	IPI00411706	31445.6	0
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2	IPI00607735,IPI00644969	14930.7	100%
3	IPI00001754,IPI00069985,IPI00294993	32565.1	100%
1	IPI00022937	252295.2	100%
1	IPI00790820	28265.3	70%
2	IPI00021923,IPI00334282	24662.9	100%
2	IPI00303318,IPI00789253	36730.7	100%
1	IPI00031820	57546.5	99%
1	IPI00300074	66114.6	0
1	IPI00645907	273409.1	0
1	IPI00025039	33766.1	100%
2	IPI00101405,IPI00797614	48258.8	100%
1	IPI00026215	42576.2	100%
2	IPI00296053,IPI00759715	54619.8	70%
2	IPI00396967,IPI00743342	44159	0
4	IPI00008449,IPI00395337,IPI00657863,IF	58358.1	100%
2	IPI00413778,IPI00647507	15670.9	100%
1	IPI00024157	25159.4	100%
1	IPI00219005	51787.9	100%
2	IPI00059292,IPI00219306	17258.6	100%
1	IPI00167710	47356.2	0
3	IPI00302592,IPI00333541,IPI00644576	279990.7	0
1	IPI00480131	278166.9	100%

1	IPI00783128	288938.8	98%
9	IPI00215720,IPI00215721,IPI00215723,IF	66952.9	0
1	IPI00744362	249334.4	70%
5	IPI00015580,IPI00028718,IPI00607808,IF	63555.2	0
1	IPI00329327	443604	0
3	IPI00021081,IPI00217070,IPI00217071	37988.6	100%
1	IPI00477747	93073.4	99%
1	IPI00788671	68587.1	100%
1	IPI00018387	86658.7	70%
1	IPI00260715	53359.1	100%
2	IPI00412643,IPI00786930	31196.6	0
2	IPI00016249,IPI00554715	69673.7	0
1	IPI00012442	52144.8	100%
3	IPI00216008,IPI00289800,IPI00760751	63810.1	100%
1	IPI00783446	105320.6	0
1	IPI00008790	77048.8	70%
1	IPI00029605	58009.4	70%
1	IPI00004669	64715.1	0
1	IPI00328391	75372.6	0
1	IPI00472068	106831	0
1	IPI00219018	36035.3	100%
2	IPI00465260,IPI00783097	84632.6	0
2	IPI00021807,IPI00759616	59699.7	100%
1	IPI00306140	20891.8	100%
1	IPI00215768	72749.8	100%
1	IPI00010090	30709.3	0
1	IPI00306543	34150.9	100%
1	IPI00031461	50647.5	100%
1	IPI00217952	78789.7	99%
1	IPI00023728	35947.8	100%
3	IPI00441344,IPI00441550,IPI00797646	76075.8	0
1	IPI00220766	20760.8	100%
1	IPI00007102	54995.3	70%
1	IPI00018236	20804.9	70%
2	IPI00412987,IPI00549557	16695.6	0
1	IPI00029079	76698.7	0
1	IPI00641950	37871.3	70%
1	IPI00009305	32651.4	100%
1	IPI00012102	62066	100%
3	IPI00171411,IPI00759659,IPI00784293	46254.7	100%
1	IPI00743931	47128.2	70%
1	IPI00219029	46230.1	70%
1	IPI00018206	47458.6	100%
1	IPI00015688	61633.3	100%
1	IPI00027497	63130.5	100%
4	IPI00030910,IPI00150961,IPI00639921,IF	72731.8	70%
2	IPI00037448,IPI00550682	35651.1	0
3	IPI00011722,IPI00218672,IPI00647318	16126.5	0
1	IPI00218671	15089.4	100%
1	IPI00026314	85679.8	70%
1	IPI00016862	56239.4	61%
1	IPI00657682	25615	100%
1	IPI00219757	23338.7	100%
1	IPI00290416	44727.4	0
1	IPI00021924	22469.9	70%
3	IPI00018278,IPI00218448,IPI00555841	13491.2	100%
1	IPI00220994	40042.1	70%
1	IPI00219038	15310.7	100%
1	IPI00745553	28841.6	0
1	IPI00021808	57394.5	70%
1	IPI00453476	28832.9	100%
1	IPI00020956	26770.5	100%
1	IPI00007063	22602.5	0

2	IPI00027851,IPI00829779	60671.8	70%
1	IPI00012585	63095.3	70%
1	IPI00303174	49955.7	100%
1	IPI00239077	13784.1	100%
1	IPI00000335	17143.7	70%
4	IPI00024417,IPI00784470,IPI00788073,IF	119371.7	0
2	IPI00021370,IPI00784038	22389.1	100%
1	IPI00217468	22563.7	100%
1	IPI00217465	21347.8	100%
2	IPI00045109,IPI00219037	14216.2	100%
1	IPI00026272	14118	70%
12	IPI00018534,IPI00020101,IPI00152906,IF	13888.6	70%
1	IPI00152785	13888.7	100%
1	IPI00453473	11349.7	100%
2	IPI00216457,IPI00339274	14078	100%
2	IPI00454695,IPI00746251	21454.5	0
2	IPI00171611,IPI00719351	15370.7	70%
1	IPI00018246	102470.4	0
1	IPI00760554	40958.2	100%
2	IPI00472112,IPI00472448	41446.2	0
3	IPI00472138,IPI00655604,IPI00747198	40318.8	0
1	IPI00472605	41076.3	100%
1	IPI00028160	39312.5	0
1	IPI00419258	24876.7	100%
1	IPI00219097	24016.6	100%
4	IPI00217477,IPI00411540,IPI00640781,IF	22962.7	100%
1	IPI00384857	19898.4	70%
1	IPI00011913	30822.5	100%
3	IPI00215965,IPI00465365,IPI00797148	38828.1	0
1	IPI00396378	37412.3	100%
1	IPI00419373	39577.1	0
3	IPI00334587,IPI00334713,IPI00742926	35949.9	100%
1	IPI00216592	32320	100%
1	IPI00477313	33652.5	0
1	IPI00045498	27174.1	100%
1	IPI00003881	45653.8	100%
1	IPI00013881	49211.8	0
1	IPI00026230	49246.1	70%
2	IPI00013877,IPI00216493	36909.6	100%
1	IPI00807545	48546.6	100%
1	IPI00027834	64114.8	100%
2	IPI00171903,IPI00383296	77499.3	100%
1	IPI00012074	70925.8	100%
1	IPI00644079	90567.2	100%
2	IPI00013070,IPI00167147	95721.7	0
2	IPI00456887,IPI00827583	85087.2	0
3	IPI00296291,IPI00642238,IPI00744429	61190.7	70%
1	IPI00218493	24562.2	70%
1	IPI00382470	98147.1	0
1	IPI00334775	84743.6	100%
1	IPI00027230	92453.7	100%
2	IPI00304925,IPI00807640	70022	100%
1	IPI00002966	94283	70%
2	IPI00295485,IPI00828021	94470.4	70%
1	IPI00003362	72405.6	100%
1	IPI00003865	70881.8	100%
1	IPI00007765	73663.3	100%
1	IPI00025512	22764.6	70%
1	IPI00784154	61037.7	100%
1	IPI00220362	10913.7	100%
1	IPI00024284	46878.5	0
2	IPI00514983,IPI00796127	96847.8	100%
1	IPI00383665	14896.8	0

1	IPI00000877	111318.8	100%
1	IPI00644127	144944.4	0
1	IPI00790218	51905.7	70%
1	IPI00027223	46642.5	70%
1	IPI00011107	50892.4	100%
1	IPI00220014	32468.3	0
1	IPI00289819	274255.5	0
1	IPI00297284	35119.1	100%
1	IPI00556155	32204.7	100%
1	IPI00291987	28986.6	100%
1	IPI00002316	21746.7	0
1	IPI00005198	43044.7	100%
2	IPI00298788,IPI00418313	95320.9	100%
1	IPI00219330	74589.9	100%
2	IPI00009960,IPI00554469	82607.8	100%
1	IPI00020906	30170.5	100%
1	IPI00291510	55788.4	0
1	IPI00005944	52905.6	0
2	IPI00007402,IPI00784008	119686.7	0
1	IPI00009342	189240.6	100%
1	IPI00375631	17869.4	0
1	IPI00375446	19585.7	0
1	IPI00014238	68032.4	0
1	IPI00060715	35683.8	0
1	IPI00082310	44010	0
1	IPI00641384	251873	70%
1	IPI00448751	73592.1	100%
1	IPI00012837	109668.3	0
1	IPI00022296	109848.7	0
4	IPI00394906,IPI00398708,IPI00472303,IF	69877.2	98%
2	IPI00002818,IPI00218137	27447.9	100%
1	IPI00793215	29103.3	70%
2	IPI00002214,IPI00789457	57844.5	70%
1	IPI00001639	97153.3	100%
1	IPI00784347	48041	100%
1	IPI00479145	44075	100%
1	IPI00306959	51401.4	100%
1	IPI00554648	53688.2	100%
1	IPI00328753	156258.3	100%
1	IPI00375294	337133.7	100%
1	IPI00013976	198045.3	0
1	IPI00296922	196057.1	0
1	IPI00298281	177587.1	70%
1	IPI00103994	134452.8	0
1	IPI00010471	70274.1	0
1	IPI00217966	36671.2	100%
1	IPI00219217	36620.6	100%
1	IPI00032491	99981.4	0
1	IPI00455739	41756.2	100%
1	IPI00023673	65314.1	100%
1	IPI00293303	49393	100%
1	IPI00005686	56777.4	0
1	IPI00026530	57531.2	100%
1	IPI00009950	40211.5	100%
1	IPI00216952	65118.1	100%
1	IPI00217975	66391.6	100%
1	IPI00009771	69931.4	100%
1	IPI00169285	65455.4	0
1	IPI00377047	50096.1	100%
1	IPI00397808	17949.7	0
1	IPI00456898	14579.8	0
2	IPI00183920,IPI00297477	28386.2	70%
1	IPI00007797	15146.4	100%



1	IPI00786995	465453.2	0
1	IPI00023704	65728.2	0
2	IPI00002255,IPI00477088	319144.5	0
1	IPI00396321	34913.4	100%
1	IPI00785113	89234.6	100%
4	IPI00328218,IPI00409640,IPI00409641,IF	65569.2	0
2	IPI00219077,IPI00514090	69269.1	100%
1	IPI00292657	35852.5	0
2	IPI00006932,IPI00216804	47488.6	100%
1	IPI00303882	47027.6	0
1	IPI00301104	40749.4	98%
1	IPI00018042	34911	100%
1	IPI00439446	75358.2	100%
1	IPI00009145	72988.9	70%
1	IPI00008868	270602.3	99%
3	IPI00003842,IPI00010728,IPI00472094	199522.8	0
5	IPI00003783,IPI00219604,IPI00419792,IF	43422.2	70%
2	IPI00396171,IPI00745518	121002.5	70%
1	IPI00017596	29981.5	100%
1	IPI00008240	101099.5	70%
3	IPI00168520,IPI00473118,IPI00554542	104756.7	100%
1	IPI00789551	99952.9	100%
1	IPI00013214	90964.6	0
1	IPI00031517	92872.6	100%
1	IPI00552897	226642.8	0
1	IPI00291005	36408.9	100%
1	IPI00291006	35513.7	100%
1	IPI00010333	15567.3	100%
1	IPI00008215	64133.4	70%
1	IPI00399089	26059.9	70%
1	IPI00016743	61528.6	70%
5	IPI00374065,IPI00455473,IPI00739902,IF	213687.7	0
1	IPI00293276	12458.5	100%
6	IPI00023461,IPI00216505,IPI00398718,IF	206790.4	0
1	IPI00008561	53989.9	0
3	IPI00033494,IPI00220573,IPI00604523	19762.3	100%
1	IPI00005537	21330.4	0
1	IPI00219365	67803.8	100%
1	IPI00171798	75007.1	70%
1	IPI00179589	12877.3	100%
11	IPI00013955,IPI00218163,IPI00218164,IF	122050.5	100%
1	IPI00011448	54586.6	100%
1	IPI00019502	226519.5	100%
1	IPI00789605	16942.8	100%
5	IPI00008455,IPI00069126,IPI00642722,IF	146035.8	0
1	IPI00797126	94662.5	100%
4	IPI00023860,IPI00789029,IPI00791065,IF	45357	100%
1	IPI00017763	42993	100%
1	IPI00293817	34728.9	0
1	IPI00306960	62926.2	100%
1	IPI00179953	85217.5	100%
2	IPI00435020,IPI00795918	93343	0
1	IPI00019380	91823.1	0
1	IPI00604620	76597.9	0
3	IPI00022078,IPI00183085,IPI00783586	42816.9	70%
3	IPI00291328,IPI00412122,IPI00646556	27373.8	0
1	IPI00020008	9054	100%
2	IPI00023754,IPI00607581	89586.5	0
1	IPI00029817	45449.3	0
7	IPI00384998,IPI00470575,IPI00513695,IF	139864.5	0
1	IPI00026167	14155.8	0
1	IPI00026944	136433.8	70%
1	IPI00304435	33292.9	0

1	IPI00004845	28448.9	0
5	IPI00023779,IPI00456663,IPI00456664,IF	35878.6	70%
1	IPI00549467	30590.8	20%
1	IPI00604590	32624.2	100%
1	IPI00337541	113881.2	70%
1	IPI00411937	66034	0
1	IPI00304596	54213.6	100%
1	IPI00006379	59562.2	70%
1	IPI00011140	39142.7	0
1	IPI00017672	32533.5	100%
1	IPI00301579	16552	0
1	IPI00026216	103261.1	70%
2	IPI00220740,IPI00549248	29446.9	100%
1	IPI00787050	86172.2	70%
3	IPI00012069,IPI00619898,IPI00619966	30851	100%
2	IPI00219129,IPI00515016	25934.8	70%
4	IPI00333776,IPI00333777,IPI00333778,IF	144057.7	70%
1	IPI00783655	131702.5	0
2	IPI00299594,IPI00398715	103104.6	0
1	IPI00006451	82545.4	70%
4	IPI00022830,IPI00100197,IPI00376904,IF	37307.8	100%
1	IPI00807412	37930.9	0
2	IPI00295542,IPI00790899	53861.6	100%
1	IPI00009123	50206.3	100%
1	IPI00022145	27278.7	100%
1	IPI00550746	38225.7	70%
1	IPI00646917	26210.1	70%
2	IPI00296913,IPI00646762	24309.8	100%
1	IPI00031558	39107.5	0
2	IPI00006196,IPI00292771	236512.8	100%
1	IPI00009901	14460.9	70%
1	IPI00016405	27608.8	0
10	IPI00006721,IPI00107749,IPI00107750,IF	111642.9	0
1	IPI00329760	76278.4	0
2	IPI00000581,IPI00409750	31406.7	70%
1	IPI00010796	57100.1	100%
2	IPI00299000,IPI00794875	43768.7	70%
3	IPI00008524,IPI00410017,IPI00478522	70653.3	100%
1	IPI00026546	25551.5	100%
3	IPI00402613,IPI00640518,IPI00647526	12022.6	70%
1	IPI00217223	49662.3	100%
1	IPI00787208	54125.3	0
1	IPI00219042	100800.4	0
1	IPI00298547	19873.1	100%
1	IPI00449049	113069.8	100%
2	IPI00018873,IPI00472879	55504.5	100%
1	IPI00218568	11981.7	100%
1	IPI00016610	37480.2	70%
4	IPI00012066,IPI00216689,IPI00470509,IF	38204.5	0
2	IPI00176458,IPI00215992	133705.3	100%
1	IPI00009034	87604.2	0
1	IPI00001428	86405.8	0
2	IPI00294380,IPI00797038	70619.9	0
1	IPI00021700	28751.3	100%
1	IPI00301961	84135	100%
2	IPI00029131,IPI00643663	70548.2	100%
1	IPI00238849	105355.5	70%
1	IPI00387168	74352.6	100%
1	IPI00246058	96802.5	70%
2	IPI00011865,IPI00018822	42149.4	21%
1	IPI00025252	56766.6	100%
1	IPI00009904	72916	100%
2	IPI00299571,IPI00644989	53883.9	100%

1	IPI00219446	21038.9	100%
1	IPI00006052	16629.8	70%
1	IPI00015891	15296.6	100%
1	IPI00216691	15036.3	100%
2	IPI00107555,IPI00219468	15070.3	70%
1	IPI00219525	53123.9	100%
1	IPI00169383	44597.3	100%
1	IPI00029997	27529.5	0
1	IPI00550364	68267.7	100%
1	IPI00220739	21654.2	100%
1	IPI00011200	56632.6	100%
1	IPI00299977	13814.6	70%
1	IPI00012575	32095.7	100%
3	IPI00059366,IPI00304171,IPI00744148	39472.7	100%
1	IPI00479186	57919.5	100%
1	IPI00398002	518449.3	0
1	IPI00398778	516455.6	0
1	IPI00019580	90549.4	70%
1	IPI00027192	83534.5	0
1	IPI00030255	84768.8	100%
1	IPI00002624	57175.3	13%
3	IPI00044369,IPI00073777,IPI00640599	59565	0
1	IPI00418458	83907.7	100%
1	IPI00058192	43938.2	99%
1	IPI00015018	32642.6	100%
4	IPI00301109,IPI00413014,IPI00470503,IF	37903.4	0
1	IPI00419585	17994.9	100%
1	IPI00646304	23725.2	100%
1	IPI00026519	22022.4	70%
2	IPI00020950,IPI00216196	42429.4	0
1	IPI00103630	85224.3	0
1	IPI00218236	37170.3	0
1	IPI00398922	20947.2	0
2	IPI00419307,IPI00554737	65291.7	100%
1	IPI00514424	37114.4	70%
1	IPI00399307	58083	100%
1	IPI00000874	22092.9	100%
1	IPI00027350	21874.4	100%
2	IPI00024919,IPI00374151	27674.7	100%
1	IPI00011937	30523.1	0
1	IPI00024915	22008.3	100%
1	IPI00220301	25018.1	100%
2	IPI00026154,IPI00792916	59407.7	100%
1	IPI00296337	469077.5	100%
2	IPI00064328,IPI00441473	72667.1	38%
1	IPI00012540	97188.4	98%
1	IPI00294004	75105.4	99%
1	IPI00004968	55163.3	100%
1	IPI00305068	106909.7	0
1	IPI00011694	26540.1	70%
2	IPI00011695,IPI00815665	28118.8	100%
2	IPI00012503,IPI00219825	58094	100%
2	IPI00028122,IPI00333317	60085.9	100%
2	IPI00016832,IPI00472442	29538	100%
1	IPI00219622	25880.9	100%
2	IPI00789638,IPI00790038	26558.4	100%
1	IPI00291922	26393.3	100%
1	IPI00029623	27381.5	70%
1	IPI00024175	27869.1	98%
1	IPI00025019	26472.5	100%
1	IPI00028006	22819.5	100%
1	IPI00028004	22931.6	100%
1	IPI00555956	29187	70%

1	IPI00003217	29947.9	0
1	IPI00000783	30336.8	70%
2	IPI00023919,IPI00745502	45609.2	100%
2	IPI00299608,IPI00456695	105821.2	100%
1	IPI00105598	47519.4	70%
2	IPI00185374,IPI00335069	52888.2	0
2	IPI00375380,IPI00549672	39853.6	70%
1	IPI00012268	100184.2	70%
1	IPI00011603	60961.6	70%
1	IPI00019927	37007.6	70%
1	IPI00479722	28819.8	100%
2	IPI00384051,IPI00746205	27344.3	100%
3	IPI00179964,IPI00183626,IPI00334175	57204.5	100%
3	IPI00015029,IPI00789101,IPI00789698	18679.9	100%
1	IPI00022048	98537.6	0
1	IPI00008998	44406.7	70%
2	IPI00298347,IPI00658023	67992.6	70%
1	IPI00465186	211667.8	100%
2	IPI00107831,IPI00642154	211825.8	100%
3	IPI00015756,IPI00470937,IPI00644648	162071.2	0
1	IPI00004358	96680.3	36%
2	IPI00470525,IPI00783313	97134.4	0
1	IPI00026665	89640.2	0
1	IPI00003590	82560.7	100%
3	IPI00376394,IPI00479085,IPI00783371	77739.3	0
1	IPI00291928	23879.6	70%
1	IPI00798089	20762.7	100%
1	IPI00016342	23472	70%
1	IPI00008223	43153.1	100%
2	IPI00011268,IPI00216044	32532.9	100%
1	IPI00792352	26391.6	100%
1	IPI00414127	23292.8	100%
1	IPI00221325	358180.2	0
3	IPI00329200,IPI00783829,IPI00793443	126506.7	70%
2	IPI00019345,IPI00640287	20969.3	100%
2	IPI00328319,IPI00645329	47637.8	100%
1	IPI00646512	52295.8	0
1	IPI00217626	102690.5	70%
2	IPI00019046,IPI00783867	46878.6	100%
1	IPI00004273	100171.1	70%
2	IPI00001757,IPI00216659	19871.4	70%
1	IPI00061178	42125.4	100%
2	IPI00001661,IPI00787306	48126.3	100%
1	IPI00465044	56066.8	70%
2	IPI00375358,IPI00375359	128242.4	0
2	IPI00027500,IPI00478231	21750.4	70%
1	IPI00008554	16532.2	70%
1	IPI00162563	113662.9	0
1	IPI00550069	49956.4	70%
1	IPI00167090	30081.5	100%
1	IPI00020127	68121	0
1	IPI00646500	38791.9	0
1	IPI00017373	13551	0
2	IPI00412579,IPI00827508	24814	100%
4	IPI00376798,IPI00647168,IPI00647674,IF	20235.2	0
1	IPI00024933	17801.1	100%
1	IPI00555744	23769.7	100%
4	IPI00413324,IPI00478208,IPI00514874,IF	21379.4	0
1	IPI00215719	21617.2	70%
1	IPI00219153	14769.3	0
4	IPI00021266,IPI00789159,IPI00793523,IF	17678.2	100%
2	IPI00219155,IPI00382885	15780.4	70%
1	IPI00219156	12766.7	0

2	IPI00215790,IPI00792410	8200.5	70%
2	IPI00000494,IPI00797983	34345.5	0
2	IPI00012772,IPI00797230	28006.8	0
2	IPI00008530,IPI00556485	34256.3	100%
1	IPI00008527	11496.1	100%
1	IPI00008529	11647.5	100%
2	IPI00008438,IPI00749512	18880.3	100%
1	IPI00221089	17205.3	70%
1	IPI00215780	16042.5	99%
5	IPI00013485,IPI00165486,IPI00455428,IF	31307.2	0
4	IPI00012493,IPI00794061,IPI00794659,IF	13355	70%
3	IPI00017448,IPI00387084,IPI00797280	9093.6	70%
26	IPI00179330,IPI00418813,IPI00456429,IF	17947.6	100%
1	IPI00011253	26670.6	25%
1	IPI00217030	29581.3	0
1	IPI00013415	22109.5	100%
1	IPI00216587	24188.4	70%
2	IPI00413108,IPI00553164	33295.5	0
1	IPI00220967	152169.3	0
1	IPI00215743	152695.7	100%
2	IPI00027765,IPI00829898	28146.2	100%
1	IPI00009104	51140.1	70%
1	IPI00013895	11723.1	0
1	IPI00023234	71207.2	0
2	IPI00300631,IPI00646058	102624.8	100%
1	IPI00005648	107456.4	0
1	IPI00021417	90239.1	100%
1	IPI00006025	109918.3	70%
3	IPI00306382,IPI00453116,IPI00479205	38301.6	0
1	IPI00009362	70852.7	100%
1	IPI00292071	52990.2	100%
1	IPI00008944	23711.9	100%
1	IPI00793201	37021.5	70%
3	IPI00299086,IPI00479018,IPI00794699	32427.3	100%
1	IPI00293167	23007	0
2	IPI00009794,IPI00106646	41788.9	100%
1	IPI00062419	34655.2	0
1	IPI00017376	86463.1	70%
1	IPI00745729	53044.8	100%
1	IPI00029056	42892.5	0
1	IPI00014177	41470.1	0
1	IPI00033025	50791.3	0
2	IPI00410693,IPI00470497	44947.8	100%
1	IPI00553177	46719.9	100%
1	IPI00027444	42725.8	100%
1	IPI00016150	46409.9	100%
1	IPI00301311	32085.3	0
1	IPI00419722	97543	0
1	IPI00386119	80603.5	100%
1	IPI00017451	88868.1	100%
1	IPI00017341	51457.1	70%
1	IPI00029764	58833.3	70%
1	IPI00026089	145802.3	100%
1	IPI00221106	100211.4	100%
1	IPI00300371	135561.4	0
1	IPI00017339	44368.5	100%
1	IPI00010404	10117.5	70%
1	IPI00013890	27756.8	100%
1	IPI00010740	76131.5	100%
3	IPI00215884,IPI00218591,IPI00218592	27727.1	100%
3	IPI00301503,IPI00472633,IPI00555647	33648.7	100%
1	IPI00010204	19312	70%
1	IPI00003377	27349.5	100%

2	IPI00012340,IPI00793205	25524.9	100%
3	IPI00002520,IPI00748411,IPI00789370	55976.7	70%
1	IPI00788826	54007.1	0
1	IPI00296197	52067.8	0
1	IPI00647217	117790.3	0
1	IPI00301364	18640.3	0
1	IPI00007084	74287.3	0
6	IPI00027493,IPI00554481,IPI00554611,IF	57929.4	70%
1	IPI00297211	121892.8	70%
1	IPI00797830	122893.5	100%
1	IPI00150057	124823.6	0
1	IPI00794957	21969.3	0
1	IPI00291939	143220.3	70%
1	IPI00219420	141529.1	100%
1	IPI00412898	48243.6	100%
2	IPI00301528,IPI00395336	50844.2	70%
1	IPI00140420	101980.5	70%
2	IPI00219483,IPI00290204	50601.3	70%
2	IPI00027285,IPI00384173	24592.6	70%
1	IPI00029267	25469.5	70%
1	IPI00302850	13263.9	100%
1	IPI00017963	13509.1	100%
1	IPI00017964	13898.6	100%
2	IPI00029266,IPI00068430	10785.9	70%
1	IPI00016572	8478.3	0
1	IPI00013830	61477.9	0
2	IPI00218733,IPI00783680	16103.7	100%
1	IPI00022314	24704.6	70%
4	IPI00217930,IPI00218618,IPI00218619,IF	247820.2	0
1	IPI00217882	92051.6	0
1	IPI00376403	58379.3	0
2	IPI00021000,IPI00385896	35404.6	100%
3	IPI00478292,IPI00744706,IPI00745092	285466.8	100%
1	IPI00005614	274595.4	100%
1	IPI00783357	47669.4	0
2	IPI00143753,IPI00829908	118278.4	70%
1	IPI00009822	55688.3	0
1	IPI00642816	10093.6	0
1	IPI00168554	14241.4	100%
1	IPI00009032	46821	100%
1	IPI00005154	81059.6	100%
1	IPI00032826	41314.4	70%
1	IPI00001922	94751.1	100%
1	IPI00013894	62624.1	100%
4	IPI00479997,IPI00642012,IPI00643115,IF	17285	100%
1	IPI00019971	66422.7	0
1	IPI00221222	14377.9	100%
1	IPI00334514	37391.5	0
1	IPI00026970	119899.4	100%
2	IPI00456681,IPI00784161	199257.8	0
4	IPI00018140,IPI00402182,IPI00402183,IF	69585.5	100%
2	IPI00239405,IPI00239406	796435.7	0
1	IPI00410127	281253.3	100%
1	IPI00296215	34902.2	100%
3	IPI00550363,IPI00644531,IPI00647915	22373.9	100%
1	IPI00744692	37523.7	100%
1	IPI00025815	44721.7	100%
1	IPI00329633	83419.8	100%
1	IPI00217236	12837.2	100%
2	IPI00247871,IPI00744062	123944	70%
1	IPI00219465	47433.3	100%
1	IPI00290566	60327.2	70%
1	IPI00294619	43416.2	100%

1	IPI00021834	34998.1	0
1	IPI00022462	84855.6	100%
1	IPI00328840	27540.5	100%
1	IPI00104050	108650.9	70%
4	IPI00005615,IPI00183949,IPI00642600,IF	41571.9	70%
2	IPI00032292,IPI00642739	23153.1	100%
3	IPI00027166,IPI00787781,IPI00788747	24381.9	100%
1	IPI00643920	67861.4	100%
2	IPI00298994,IPI00784273	271152.8	100%
1	IPI00013174	69474.3	70%
1	IPI00443909	20634.5	100%
1	IPI00005087	39578.1	0
1	IPI00030131	50653.4	100%
1	IPI00298362	46022.2	100%
1	IPI00024364	102340.8	0
1	IPI00015602	67439.2	0
1	IPI00413611	90711.7	0
3	IPI00178667,IPI00414101,IPI00478232	183280.2	0
2	IPI00023137,IPI00477672	37962.5	16%
4	IPI00218323,IPI00619951,IPI00619958,IF	19845.3	100%
2	IPI00465028,IPI00797687	30772.8	100%
1	IPI00178083	29061.4	100%
2	IPI00298237,IPI00554538	61229.6	100%
1	IPI00640197	139750.6	0
2	IPI00022970,IPI00742682	265846.5	0
2	IPI00438229,IPI00438230	88531	100%
1	IPI00301028	52712.2	70%
1	IPI00003515	227625.5	0
4	IPI00019450,IPI00642416,IPI00646322,IF	60654.1	70%
1	IPI00018768	26165.4	100%
2	IPI00387144,IPI00792677	50133.7	100%
1	IPI00218343	49877.4	70%
1	IPI00011654	49652.6	70%
1	IPI00013475	49889.1	100%
1	IPI00007752	49812.7	100%
2	IPI00183508,IPI00385754	43901.5	0
1	IPI00550917	39530.8	0
1	IPI00216298	11719.3	100%
1	IPI00026328	19188.4	100%
1	IPI00401264	46954.5	70%
1	IPI00395646	43651.1	70%
2	IPI00305692,IPI00642032	32233.4	0
1	IPI00008552	37414.8	70%
3	IPI00005613,IPI00619914,IPI00619942	27854.2	0
3	IPI00031556,IPI00746657,IPI00830039	53483.1	100%
3	IPI00181306,IPI00514856,IPI00646016	112562.2	99%
1	IPI00645078	117832.3	70%
2	IPI00328154,IPI00375533	51835.4	0
2	IPI00032957,IPI00450472	17989.5	0
1	IPI00021347	17844.3	100%
1	IPI00003949	17120.6	0
7	IPI00019599,IPI00030962,IPI00397947,IF	25778.9	0
1	IPI00024502	63836	0
1	IPI00018352	24806.3	100%
6	IPI00219512,IPI00219513,IPI00299313,IF	36061.7	0
1	IPI00294495	19441	0
1	IPI00619903	177361.2	58%
1	IPI00031420	55007.3	100%
3	IPI00014919,IPI00329331,IPI00395676	56932.9	0
1	IPI00399139	20436.8	100%
2	IPI00219913,IPI00640357	56052.3	100%
1	IPI00000728	112405.3	0
2	IPI00024664,IPI00375145	95770.1	70%

3	IPI00003965,IPI00646721,IPI00783739	128256.9	0
1	IPI00170692	27875.9	100%
2	IPI00000873,IPI00829641	140459.5	70%
1	IPI00156689	41901.8	0
2	IPI00291175,IPI00307162	116706.3	0
1	IPI00022774	89306.8	100%
1	IPI00069058	67239.9	100%
1	IPI00218852	92677.2	100%
1	IPI00020719	56509.9	70%
1	IPI00018931	91692	100%
1	IPI00412737	48835.5	70%
2	IPI00216256,IPI00746165	57984.2	70%
2	IPI00298961,IPI00784388	123370.9	70%
1	IPI00220834	82689.1	100%
2	IPI00465430,IPI00644712	69855.4	100%
1	IPI00031812	35905.8	100%
2	IPI00216318,IPI00759832	28065.1	70%
1	IPI00000816	29157	100%
1	IPI00220642	28285.1	70%
1	IPI00018146	27747.4	100%
1	IPI00021263	27727.9	100%
2	IPI00333858,IPI00748303	117059.9	0
1	IPI00219760	41541.8	0



## dem searching

H1688-Rep2 (CCL257-S)	H1688-Rep3 (CCL257-S)	# Unique peptide H1688-Rep1 (C)	# Unique peptide H1688-Rep2 (C)
100%	100%	3	3
100%	100%	1	2
67%	100%	1	1
100%	100%	0	7
100%	0	1	2
100%	0	1	2
100%	100%	16	14
100%	100%	0	2
67%	100%	2	1
100%	100%	6	8
0	0	16	0
67%	99%	0	1
100%	100%	1	3
100%	69%	0	2
100%	100%	3	4
100%	98%	1	2
0	100%	0	0
100%	69%	0	2
100%	100%	2	3
100%	100%	1	4
100%	100%	1	3
67%	98%	0	1
100%	100%	4	5
100%	100%	3	3
100%	100%	12	14
100%	100%	3	3
100%	100%	5	15
100%	100%	2	3
100%	100%	2	3
100%	100%	3	3
100%	0	0	2
100%	100%	2	3
100%	0	0	2
100%	0	0	4
0	100%	2	0
67%	69%	2	1
100%	100%	10	11
100%	100%	3	5
100%	69%	1	2
100%	99%	2	3
100%	100%	6	7
100%	100%	3	5
100%	0	2	4
100%	100%	6	6
100%	100%	8	9
100%	100%	3	6
100%	100%	0	5
67%	100%	1	1
100%	100%	1	1
100%	100%	10	14
100%	100%	0	2
100%	100%	0	2
100%	100%	15	16
100%	100%	2	6
100%	100%	7	6
100%	100%	8	8
100%	69%	1	2
100%	100%	4	3
100%	100%	3	6
100%	0	0	2

100%	100%	0	3
100%	100%	5	6
100%	69%	1	2
100%	100%	0	8
100%	100%	7	8
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67%	100%	0	1
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100%	100%	2	4
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39%	100%	0	0
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100%	100%	1	3
98%	69%	0	1
100%	98%	1	3
100%	100%	3	3
100%	100%	2	3
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100%	69%	0	3
100%	100%	3	9
100%	69%	0	2
100%	100%	1	7
100%	69%	4	3
0	100%	0	0
100%	100%	1	2
67%	100%	0	1
98%	100%	1	1
100%	100%	1	2
67%	100%	1	1
100%	0	2	2
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100%	100%	2	2
100%	100%	0	2
100%	69%	2	2
100%	100%	2	3
67%	98%	0	1
100%	37%	1	2
100%	0	2	2
100%	100%	2	5
100%	100%	0	3
100%	0	3	4
98%	69%	1	1
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100%	0	0	4
100%	100%	1	2
100%	100%	2	3
100%	100%	6	7
100%	100%	2	2
0	100%	13	0
98%	69%	0	1
100%	100%	0	2
100%	100%	7	11
100%	100%	6	8
100%	100%	6	8
100%	100%	0	2

100%	100%	3	5
99%	0	0	1
100%	100%	2	4
0	69%	2	0
100%	100%	3	3
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67%	100%	0	1
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67%	0	2	1
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67%	69%	2	1
100%	100%	2	4
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100%	100%	4	5
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67%	0	2	1
100%	69%	0	2
100%	100%	0	2
99%	0	0	1
100%	100%	1	2
100%	100%	3	4
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100%	100%	1	4
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100%	0	0	2
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100%	99%	2	3
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100%	69%	2	3
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67%	100%	1	1
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