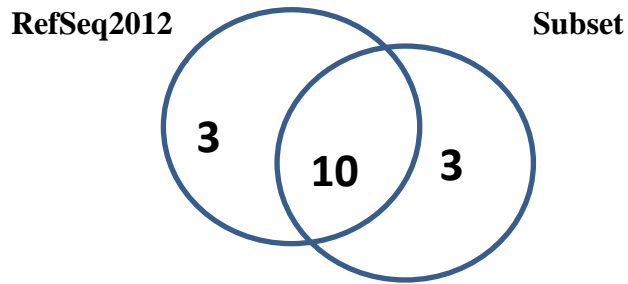


- Kruskal-Walli test **with Bonferroni** correction; CI 95%, $p \leq 0.05$



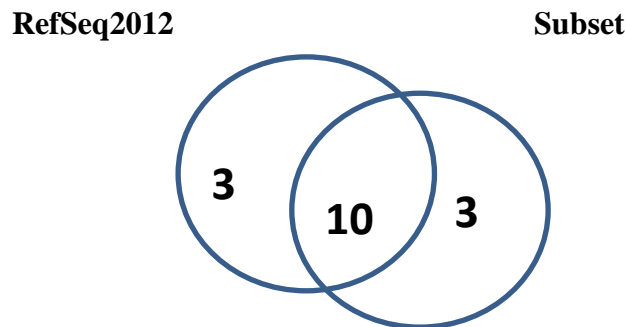
RefSeq2012 (3 proteins)

testican-1 precursor	gi 4759164
complement factor B preproprotein	gi 67782358
fibronectin isoform 4 preproprotein	gi 47132555

Subset (3 proteins)

transthyretin precursor	gi 4507725
complement C2 isoform 1 preproprotei	gi 14550407
secretogranin-3 isoform 1 precursor	gi 19557645

- Kruskal-Walli test **with Bonferroni** correction; CI 75-95%, $p \leq 0.05$



RefSeq2012 (3 proteins)

fibronectin isoform 4 preproprotein	gi 47132555
complement factor B preproprotein	gi 67782358
calsyntenin-3 precursor	gi 42475534

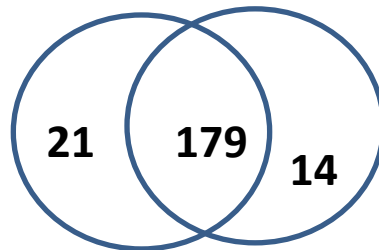
Subset (3 proteins)

transthyretin precursor	gi 4507725
IgGfc-binding protein precursor	gi 154146262
complement C2 isoform 1 preproprote	gi 14550407

- Kruskal-Walli test **without Bonferroni** correction; CI 95%, $p \leq 0.05$

RefSeq2012

Subset



RefSeq2012 (21 proteins)

collagen alpha-1(XVIII) chain isoform 2 precursor	gi 110611233
insulin-like growth factor-binding protein 6 precursor	gi 11321593
disintegrin and metalloproteinase domain-containing protein 22 isoform 1 preproprotein	gi 11497047
gi 119372317-DECOY ref NP_689594.4 xin actin-binding repeat-containing protein 2...	gi 119372317
low-density lipoprotein receptor-related protein 2 precursor	gi 126012573
reticulon-4 receptor precursor	gi 13194201
complement C1q subcomponent subunit C precursor	gi 166235903
neuronal pentraxin receptor	gi 17402888
ephrin type-B receptor 6 precursor	gi 194097332
ectonucleotide pyrophosphatase/phosphodiesterase family member 2 isoform 3 preproprotein	gi 195947389
beta-Ala-His dipeptidase precursor	gi 21071039
immunoglobulin J chain precursor	gi 21489959
macrophage colony-stimulating factor 1 receptor precursor	gi 27262659
gi 281427284-DECOY	gi 281427284
vitamin D-binding protein isoform 1 precursor	gi 32483410
titin isoform 1	gi 378925625
angiotensinogen preproprotein	gi 4557287
fibronectin isoform 4 preproprotein	gi 47132555
contactin-2 precursor	gi 4827022
epididymal secretory protein E1 precursor	gi 5453678
EGF-containing fibulin-like extracellular matrix protein 1 precursor	gi 86788015

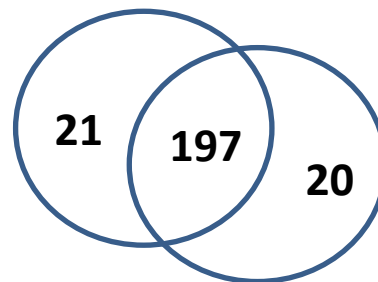
Subset (14 proteins)

spectrin beta chain, brain 3 isoform sigma1	gi 115430237
gi 150378539-DECOY ref NP_149015.2 protein piccolo isoform 1	gi 150378539
fibulin-7 isoform 1 precursor	gi 189491645
vitamin K-dependent protein S preproprotein	gi 192447438
unconventional myosin-Va isoform 1	gi 215982791
multimerin-2 precursor	gi 221316695
nebulin isoform 1	gi 257743023
vitamin D-binding protein isoform 3 precursor	gi 324021745
VPS10 domain-containing receptor SorCS1 isoform c precursor	gi 331028410
pyruvate kinase isozymes M1/M2 isoform c	gi 332164775
actin, cytoplasmic 1	gi 4501885
coagulation factor X preproprotein	gi 4503625
receptor-type tyrosine-protein phosphatase delta isoform 1 precursor	gi 4506309
complement C1r subcomponent precursor	gi 66347875

- Kruskal-Walli test **without Bonferroni** correction; CI 75-95%, $p \leq 0.05$

RefSeq2012

Subset



RefSeq2012 (21 proteins)

collagen alpha-1(XVIII) chain isoform 2 precursor	gi 110611233
insulin-like growth factor-binding protein 6 precursor	gi 11321593
gi 119372317-DECOY ref NP_689594.4 xin actin-binding repeat-containing protein 2...	gi 119372317
low-density lipoprotein receptor-related protein 2 precursor	gi 126012573
reticulon-4 receptor precursor	gi 13194201
complement C1q subcomponent subunit C precursor	gi 166235903
ephrin type-B receptor 6 precursor	gi 194097332
immunoglobulin J chain precursor	gi 21489959
macrophage colony-stimulating factor 1 receptor precursor	gi 27262659
gi 281427284-DECOY	gi 281427284
vitamin D-binding protein isoform 1 precursor	gi 32483410
titin isoform 1	gi 378925625
brevican core protein isoform 1 precursor	gi 38372935
semaphorin-7A isoform 1 preproprotein	gi 4504237
neuroendocrine protein 7B2 isoform 2 precursor	gi 4506917
angiotensinogen preproprotein	gi 4557287
fibronectin isoform 4 preproprotein	gi 47132555
contactin-2 precursor	gi 4827022
epididymal secretory protein E1 precursor	gi 5453678
EGF-containing fibulin-like extracellular matrix protein 1 precursor	gi 86788015
olfactomedin-like protein 3 precursor	gi 9910270

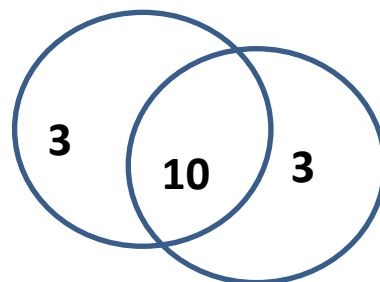
Subset (20 proteins)

spectrin beta chain, brain 3 isoform sigma1	gi 115430237
seizure protein 6 homolog isoform 1 precursor	gi 148839280
gi 150378539-DECOY ref NP_149015.2	
protein piccolo isoform 1	gi 150378539
fibulin-7 isoform 1 precursor	gi 189491645
vitamin K-dependent protein S preproprotein	gi 192447438
amyloid beta A4 protein isoform d	gi 209862833
unconventional myosin-Va isoform 1	gi 215982791
multimerin-2 precursor	gi 221316695
dynein heavy chain domain-containing protein 1 isoform 1	gi 222144249
semaphorin-7A isoform 2 preproprotein	gi 225637520
nebulin isoform 1	gi 257743023
tyrosine-protein kinase receptor TYRO3 precursor	gi 27597078
vitamin D-binding protein isoform 3 precursor	gi 324021745
VPS10 domain-containing receptor SorCS1 isoform c precursor	gi 331028410
pyruvate kinase isozymes M1/M2 isoform c	gi 332164775
seizure 6-like protein 2 isoform 5 precursor	gi 343183403
actin, cytoplasmic 1	gi 4501885
coagulation factor X preproprotein	gi 4503625
receptor-type tyrosine-protein phosphatase delta isoform 1 precursor	gi 4506309
chondroitin sulfate proteoglycan 4 precursor	gi 47419930

- Permutation test **with Bonferroni** correction; CI 95%, $p \leq 0.05$

RefSeq2012

Subset



RefSeq2012 (3 proteins)

testican-1 precursor	gi 4759164
complement factor B preproprotein	gi 67782358
fibronectin isoform 4 preproprotein	gi 47132555

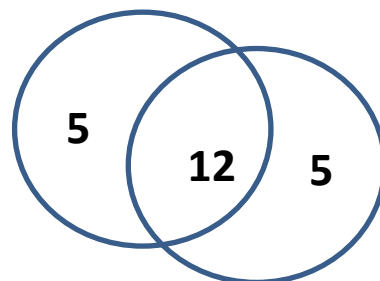
Subset (3 proteins)

transthyretin precursor	gi 4507725
complement C2 isoform 1 preproprotein	gi 14550407
secretogranin-3 isoform 1 precursor	gi 19557645

- Permutation test with **Bonferroni** correction; CI 75-95%, $p \leq 0.05$

RefSeq2012

Subset



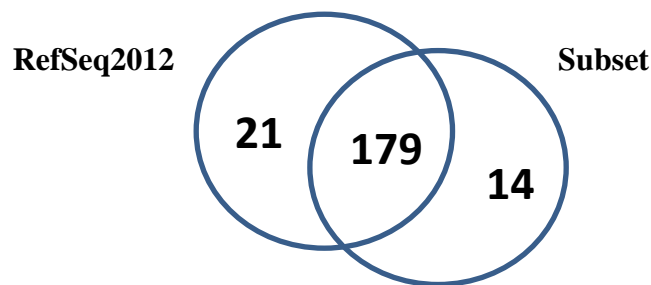
RefSeq2012 (5 proteins)

fibronectin isoform 4 preproprotein	gi 47132555
alpha-N-acetylglucosaminidase precursor	gi 66346698
testican-1 precursor	gi 4759164
complement factor B preproprotein	gi 67782358
calyntenin-3 precursor	gi 42475534

Subset (5proteins)

complement C2 isoform 1 prepro	gi 14550407
secretogranin-3 isoform 1 precurs	gi 19557645
vitamin D-binding protein isoform	gi 324021745
prothrombin preproprotein	gi 4503635
proenkephalin-A preproprotein	gi 5453876

- Permutation test **without Bonferroni** correction; CI 95%, $p \leq 0.05$



RefSeq2012 database (21 unique proteins)

collagen alpha-1(XVIII) chain isoform 2 precursor	gi 110611233
insulin-like growth factor-binding protein 6 precursor	gi 11321593
disintegrin and metalloproteinase domain-containing protein 22 isoform 1 precursor	gi 11497047
gi 119372317-DECOY ref NP_689594.4 xin actin-binding repeat-containing protein 2...	gi 119372317
low-density lipoprotein receptor-related protein 2 precursor	gi 126012573
reticulon-4 receptor precursor	gi 13194201
complement C1q subcomponent subunit C precursor	gi 166235903
neuronal pentraxin receptor	gi 17402888
ephrin type-B receptor 6 precursor	gi 194097332
ectonucleotide pyrophosphatase/phosphodiesterase family member 2 isoform 3 preproprotein	gi 195947389
beta-Ala-His dipeptidase precursor	gi 21071039
immunoglobulin J chain precursor	gi 21489959
macrophage colony-stimulating factor 1 receptor precursor	gi 27262659
gi 281427284-DECOY	gi 281427284
vitamin D-binding protein isoform 1 precursor	gi 32483410
titin isoform 1	gi 378925625
angiotensinogen preproprotein	gi 4557287
fibronectin isoform 4 preproprotein	gi 47132555
contactin-2 precursor	gi 4827022
epididymal secretory protein E1 precursor	gi 5453678
EGF-containing fibulin-like extracellular matrix protein 1 precursor	gi 86788015

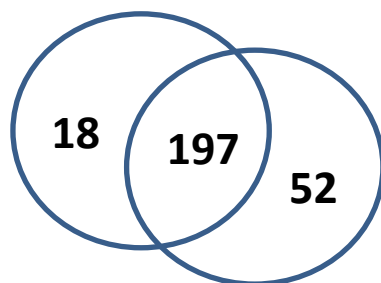
Subset database(unique 14 proteins)

spectrin beta chain, brain 3 isoform sigma1 gi 150378539-DECOY ref NP_149015.2	gi 115430237
protein piccolo isoform 1	gi 150378539
fibulin-7 isoform 1 precursor	gi 189491645
vitamin K-dependent protein S preproprotein	gi 192447438
unconventional myosin-Va isoform 1	gi 215982791
multimerin-2 precursor	gi 221316695
nebulin isoform 1	gi 257743023
vitamin D-binding protein isoform 3 precursor	gi 324021745
VPS10 domain-containing receptor SorCS1 isoform c precursor	gi 331028410
pyruvate kinase isozymes M1/M2 isoform c	gi 332164775
actin, cytoplasmic 1	gi 4501885
coagulation factor X preproprotein	gi 4503625
receptor-type tyrosine-protein phosphatase delta is	gi 4506309
complement C1r subcomponent precursor	gi 66347875

- Permutation test **without Bonferroni** correction; CI 75-95%, $p \leq 0.05$

RefSeq2012

Subset



RefSeq2012 (18 proteins)

apolipoprotein B-100 precursor	gi 105990532
collagen alpha-1(XVIII) chain isoform 2 precursor	gi 110611233
neural cell adhesion molecule 1 isoform 2 precursor	gi 115529482
gi 119372317-DECOY ref NP_689594.4 xin	
actin-binding repeat-containing protein 2...	gi 119372317
reticulon-4 receptor precursor	gi 13194201
N-acetylglucosamine-1-phosphotransferase subunit gamma	gi 14249738
platelet-derived growth factor subunit A isoform 2 preproprotein	gi 15208656
immunoglobulin J chain precursor	gi 21489959
apolipoprotein M isoform 1	gi 22091452
macrophage colony-stimulating factor 1 receptor precursor	gi 27262659
gi 281427284-DECOY	gi 281427284
neuroendocrine convertase 1 isoform 2	gi 295424143
matrix Gla protein isoform 1 precursor	gi 299890879
vitamin D-binding protein isoform 1 precursor	gi 32483410
fibronectin isoform 4 preproprotein	gi 47132555
osteopontin isoform b precursor	gi 4759166
oligodendrocyte-myelin glycoprotein precursor	gi 52426787
epididymal secretory protein E1 precursor	gi 5453678

Subset (52 proteins)

collagen alpha-1(VI) chain precursor	gi 87196339
complement C1r subcomponent precursor	gi 66347875
calsyntenin-1 isoform 2 precursor	gi 57242755
cathepsin F precursor	gi 6042196
translational activator GCN1	gi 54607053
voltage-dependent calcium channel subunit alpha-2/delta-1 precursor	gi 54112390
ATP-binding cassette sub-family A member 2 isoform b	gi 47078218
chondroitin sulfate proteoglycan 4 precursor	gi 47419930
ceruloplasmin precursor	gi 4557485
latent-transforming growth factor beta-binding protein 2 precursor	gi 4557733
kallikrein-6 isoform A preproprotein	gi 4506155
lumican precursor	gi 4505047
histidine-rich glycoprotein precursor	gi 4504489
coagulation factor X preproprotein	gi 4503625
zinc-alpha-2-glycoprotein precursor	gi 4502337
actin, cytoplasmic 1	gi 4501885
plectin isoform 1a	gi 41322923
CD166 antigen isoform 2 precursor	gi 343168770
seizure 6-like protein 2 isoform 5 precursor	gi 343183403
clusterin preproprotein	gi 355594753
VPS10 domain-containing receptor SorCS1 isoform c precursor	gi 331028410
pyruvate kinase isozymes M1/M2 isoform c	gi 332164775
neural cell adhesion molecule 2 precursor	gi 33519481
vitamin D-binding protein isoform 3 precursor	gi 324021745
inter-alpha-trypsin inhibitor heavy chain H5 isoform 1 precursor	gi 310703621
extracellular sulfatase Sulf-2 isoform a precursor	gi 29789100

Subset (52 proteins cont.)

ubiquitin-40S ribosomal protein S27a precursor	gi 294459921
contactin-1 isoform 1 precursor	gi 28373117
tyrosine-protein kinase receptor TYRO3 precursor	gi 27597078
nebulin isoform 1	gi 257743023
semaphorin-7A isoform 2 preproprotein	gi 225637520
unconventional myosin-Va isoform 1	gi 215982791
multimerin-2 precursor	gi 221316695
dynein heavy chain domain-containing protein 1 isoform 1	gi 222144249
alpha-1B-glycoprotein precursor	gi 21071030
neurexin-3-beta isoform 1 precursor	gi 21070969
amyloid beta A4 protein isoform d	gi 209862833
vitamin K-dependent protein S preproprotein	gi 192447438
fibulin-7 isoform 1 precursor	gi 189491645
SPARC-like protein 1 precursor	gi 190341024
alpha-2-HS-glycoprotein preproprotein	gi 156523970
tetranectin precursor	gi 156627579
neogenin isoform 1 precursor	gi 157311649
gi 160948599-DECOY	gi 160948599
contactin-associated protein-like 4 isoform 2	gi 148664242
seizure protein 6 homolog isoform 1 precursor	gi 148839280
multiple epidermal growth factor-like domains protein 8 precursor	gi 145701025
retina and anterior neural fold homeobox protein 2	gi 14249388
basement membrane-specific heparan sulfate proteoglycan core prot	gi 126012571
spectrin beta chain, brain 3 isoform sigma1	gi 115430237
alpha-2-antiplasmin isoform a precursor	gi 115583663
proactivator polypeptide isoform c preproprotein	gi 110224479