Mascot Search Results

User : wang1
Email : y_ying_77@yahoo.com.cn
Search title :
MS data file : D:\20020616lilei\WangQ-1.pkl
Database : NCBInr 20050611 (2506589 sequences; 850049330 residues)
Taxonomy : Homo sapiens (human) (134726 sequences)
Timestamp : 16 Jun 2005 at 07:29:25 GMT

Significant hits:
- gi|16306978 Annexin A2, isoform 2 [Homo sapiens]
- gi|31645 glyceraldehyde-3-phosphate dehydrogenase [Homo sapiens]
- gi|506638 hnRNP protein A2 [Homo sapiens]
- gi|28336 mutant beta-actin (beta'-actin) [Homo sapiens]
- gi|36102 unnamed protein product [Homo sapiens]
- gi|187781 M4 protein

Probability Based Mowse Score

Ions score is -10*Log(P), where P is the probability that the observed match is a random event. Individual ions scores > 36 indicate identity or extensive homology (p<0.05).

Protein scores are derived from ions scores as a non-probabilistic basis for ranking protein hits.

Peptide Summary Report

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- gi|34364597 Mass: 4038 Score: 155 Queries matched: 3
- hypothetical protein [Homo sapiens]
- gi|50845386 Mass: 4038 Score: 155 Queries matched: 3
- annexin A2 isoform 1 [Homo sapiens]
- gi|56966699 Mass: 38638 Score: 155 Queries matched: 3
- Chain A, Annexin A2: Does It Induce Membrane Aggregation By A New Multimeric State Of The Protein
- gi|56967119 Mass: 36460 Score: 155 Queries matched: 3
- Chain B, Structure Of Human Annexin A2 In The Presence Of Calcium Ions
- gi|62202495 Mass: 38590 Score: 155 Queries matched: 3
- ANXA2 protein [Homo sapiens]
- gi|62289644 Mass: 38564 Score: 155 Queries matched: 3
- annexin A2 isoform 2 variant [Homo sapiens]
- gi|31645367 Mass: 38552 Score: 154 Queries matched: 3
- Annexin A2, isoform 2 [Homo sapiens]
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### Proteins matching the same set of peptides:

**gi|31645**
- Mass: 36031
- Score: 140
- Queries matched: 2
  - glyceraldehyde-3-phosphate dehydrogenase [Homo sapiens]

**gi|35053**
- Mass: 35470
- Score: 140
- Queries matched: 2
  - uracil DNA glycosylase [Homo sapiens]

**gi|32891805**
- Mass: 36030
- Score: 140
- Queries matched: 2
  - glyceraldehyde-3-phosphate dehydrogenase [Homo sapiens]

**gi|500638**
- Mass: 35984
- Score: 106
- Queries matched: 3
  - hnRNP protein A2 [Homo sapiens]

**gi|62647260**
- Mass: 37407
- Score: 106
- Queries matched: 3
  - PREDICTED: similar to Heterogeneous nuclear ribonucleoproteins A2/B1 (hnRNP A2 / hnRNP B1) [Rattus norvegicus]

**gi|28336**
- Mass: 41786
- Score: 93
- Queries matched: 1
  - mutant beta-actin (beta'-actin) [Homo sapiens]

**gi|178027**
- Mass: 42081
- Score: 93
- Queries matched: 1
  - alpha-actin

**gi|178045**
- Mass: 25862
- Score: 93
- Queries matched: 1
  - gamma-actin

**gi|178067**
- Mass: 36783
- Score: 93
- Queries matched: 1
  - actin prepeptide

**gi|198847**
- Mass: 3021
- Score: 93
- Queries matched: 1
  - 48 kda histamine receptor subunit peptide 4 [internal fragment] [human, peripheral blood mononuclear cell]

**gi|16671507**
- Mass: 41982
- Score: 93
- Queries matched: 1
  - actin, alpha 2, smooth muscle, aorta [Mus musculus]

**gi|12308252**
- Mass: 41989
- Score: 93
- Queries matched: 1
  - actin, alpha 1, skeletal muscle [Mus musculus]

**gi|682530**
- Mass: 41800
- Score: 93
- Queries matched: 1
  - FIKG30 [Homo sapiens]

**gi|12805167**
- Mass: 41850
- Score: 93
- Queries matched: 1
  - Actg2 protein [Mus musculus]

**gi|14250401**
- Mass: 40978
- Score: 93
- Queries matched: 1
  - actin, beta [Homo sapiens]

**gi|15277503**
- Mass: 40194
- Score: 93
- Queries matched: 1
  - ACTB protein [Homo sapiens]

**gi|16306948**
- Mass: 17713
- Score: 93
- Queries matched: 1
  - Unknown (protein for IMAGE:3897065) [Homo sapiens]

**gi|163592158**
- Mass: 41736
- Score: 93
- Queries matched: 1
  - Beta actin [Homo sapiens]

**gi|16924319**
- Mass: 40477
- Score: 93
- Queries matched: 1
  - Unknown [protein for IMAGE:3897065] [Homo sapiens]

**gi|17511847**
- Mass: 41748
- Score: 93
- Queries matched: 1
  - Unknown (protein for IMAGE:3538275) [Homo sapiens]

**gi|17511847**
- Mass: 41766
- Score: 93
- Queries matched: 1
  - ACTG1 protein [Homo sapiens]

**gi|21070355**
- Mass: 41710
- Score: 93
- Queries matched: 1
  - actin, alpha 1, skeletal muscle [Mus musculus]

**gi|17511847**
- Mass: 41766
- Score: 93
- Queries matched: 1
  - Unknown (protein for IMAGE:3897065) [Homo sapiens]

**gi|16306948**
- Mass: 17713
- Score: 93
- Queries matched: 1
  - Unknown (protein for IMAGE:3897065) [Homo sapiens]

**gi|163592158**
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- Score: 93
- Queries matched: 1
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- Score: 93
- Queries matched: 1
  - Unknown [protein for IMAGE:3897065] [Homo sapiens]

**gi|17511847**
- Mass: 41748
- Score: 93
- Queries matched: 1
  - Actg2 protein [Mus musculus]

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- Mass: 40978
- Score: 93
- Queries matched: 1
  - actin, beta [Homo sapiens]

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  - ACTG1 protein [Homo sapiens]

**gi|21070355**
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### Query 5

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**Proteins matching the same set of peptides:**

- **gi|37610** Mass: 20025 Score: 44 Queries matched: 1
- **gi|133252** Mass: 22118 Score: 44 Queries matched: 1
- **Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein)** Mass: 38822 Score: 44 Queries matched: 1
- **Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein)** Mass: 21002 Score: 44 Queries matched: 1

**Hnrrnp A1 (Rbd1,2) From Homo Sapiens**

- **gi|2554653** Mass: 20784 Score: 44 Queries matched: 1
- **Up1, The Two Rna-Recognition Motif Domain Of Hnrrnp A1**
- **gi|13346308** Mass: 31733 Score: 44 Queries matched: 1
- **Unknown (protein for IMAGE:3615335) [Homo sapiens]**
- **gi|134043070** Mass: 38723 Score: 44 Queries matched: 1
- **heterogeneous nuclear ribonucleoprotein A1 isoform b [Homo sapiens]**
- **gi|20664272** Mass: 22249 Score: 44 Queries matched: 1

**Chain A, Upl, The Two Rna-Recognition Motif Domain Of Hnrrnp A1**

- **gi|398654500** Mass: 20831 Score: 44 Queries matched: 1
- **Chain A, Crystal Structure Of Upl Complexed With D(Tagg(6mi)ttaggg): A Human Telomeric Repeat Containing**
- **gi|41150277** Mass: 34279 Score: 44 Queries matched: 1

**PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein)**

- **gi|41151081** Mass: 34236 Score: 44 Queries matched: 1
- **Heterogeneous nuclear ribonucleoprotein A1, isoform b [Homo sapiens]**
- **gi|51467130** Mass: 27616 Score: 44 Queries matched: 1

**PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein)**

- **gi|51474130** Mass: 25657 Score: 44 Queries matched: 1

**PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein)**

- **gi|62897249** Mass: 30761 Score: 44 Queries matched: 1

**heterogeneous nuclear ribonucleoprotein A1 isoform a variant [Homo sapiens]**

**gi|40225338** Mass: 18439 Score: 93 Queries matched: 1

**ACTG1 protein [Homo sapiens]**

**gi|40226101** Mass: 29393 Score: 93 Queries matched: 1

**ACTG1 protein [Homo sapiens]**

**gi|49168516** Mass: 41898 Score: 93 Queries matched: 1

**ACTG2 [Homo sapiens]**

**gi|156204817** Mass: 32028 Score: 93 Queries matched: 1

**actin, alpha 1, skeletal muscle [Homo sapiens]**

**gi|156204818** Mass: 37800 Score: 93 Queries matched: 1

**actin, alpha 1, skeletal muscle [Homo sapiens]**

**gi|62530430** Mass: 41992 Score: 93 Queries matched: 1

**cardiac alpha actin 1 [Rana catesbeiana]**

**gi|62897625** Mass: 41738 Score: 93 Queries matched: 1

**beta actin variant [Homo sapiens]**

**gi|62897671** Mass: 41694 Score: 93 Queries matched: 1

**beta actin variant [Homo sapiens]**

**gi|62897249** Mass: 41694 Score: 93 Queries matched: 1

**hypothetical protein LOC345651 [Homo sapiens]**

**gi|133254** Mass: 41976 Score: 93 Queries matched: 1

**unnamed protein product [Homo sapiens]**

**gi|37610** Mass: 20025 Score: 44 Queries matched: 1

**gi|133252** Mass: 22118 Score: 44 Queries matched: 1

**Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein)**

**gi|133254** Mass: 38822 Score: 44 Queries matched: 1

**Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein)**

**gi|12194069** Mass: 21002 Score: 44 Queries matched: 1

**Hnrrnp A1 (Rbd1,2) From Homo Sapiens**

**gi|2554653** Mass: 20784 Score: 44 Queries matched: 1

**Up1, The Two Rna-Recognition Motif Domain Of Hnrrnp A1**

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**Unknown (protein for IMAGE:3615335) [Homo sapiens]**

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**Chain A, Crystal Structure Of Upl Complexed With D(Tagg(6mi)ttaggg): A Human Telomeric Repeat Containing**

**gi|41150277** Mass: 34279 Score: 44 Queries matched: 1

**PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein)**

**gi|41151081** Mass: 34236 Score: 44 Queries matched: 1

**Heterogeneous nuclear ribonucleoprotein A1, isoform a [Homo sapiens]**

**gi|51467130** Mass: 27616 Score: 44 Queries matched: 1

**PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein)**

**gi|51474130** Mass: 25657 Score: 44 Queries matched: 1

**PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein)**

**gi|51492884** Mass: 33890 Score: 44 Queries matched: 1

**PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein)**

**gi|555957261** Mass: 34204 Score: 44 Queries matched: 1

**OTHUMPO0000018460 [Homo sapiens]**

**gi|57106316** Mass: 34175 Score: 44 Queries matched: 1

**PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A1 (Helix-destabilizing protein) (Single-strand binding protein)**

**gi|62897249** Mass: 30761 Score: 44 Queries matched: 1

**heterogeneous nuclear ribonucleoprotein A1 isoform a variant [Homo sapiens]**

**gi|133252** Mass: 20025 Score: 44 Queries matched: 1

**M4 protein**
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Check to include this hit in error tolerant search

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Proteins matching the same set of peptides:
- gi|3126878  Mass: 73512  Score: 44  Queries matched: 1
- M4 protein deletion mutant [Homo sapiens]
- gi|16905456  Mass: 73572  Score: 44  Queries matched: 1
- Ribonucleoprotein [Homo sapiens]
- gi|18044562  Mass: 77464  Score: 44  Queries matched: 1
- Heterogeneous nuclear ribonucleoprotein M, isoform a [Homo sapiens]
- gi|37747452  Mass: 73048  Score: 44  Queries matched: 1
- Unknown (protein for MGC:64929) [Homo sapiens]

Peptide matches not assigned to protein hits: (no details means no match)

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