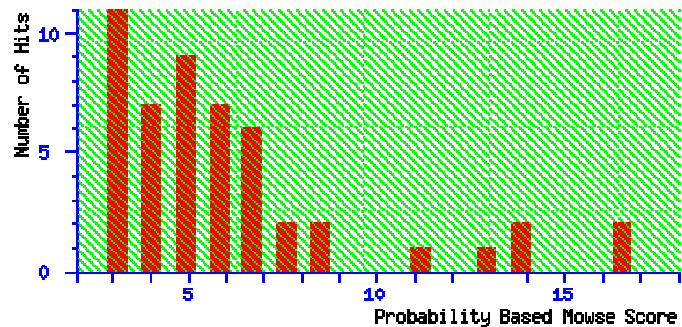


Appendix VII

User : AMAM SIDDIKI
Email : zsiddiki@gmail.com
Search title : TIZ bound protein sample
MS data file : Y:\sanya\LTQ\Sid_16\merge.mgf
Database : CryptoProt 080306 (104524 sequences; 17113448 residues)
Taxonomy : Alveolata (alveolates) (104524 sequences)
Timestamp : 29 Mar 2006 at 16:56:34 GMT
Warning : Taxonomy 'Alveolata (alveolates)' ignored. No taxonomy indexes for this database

Probability Based Mowse Score

Ions score is $-10 \cdot \log(P)$, where P is the probability that the observed match is a random event. Individual ions scores > 37 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

[Peptide Summary Report \(TIZ bound protein sample\)](#)

- [cgd3_3410](#) | EAK89000.1 | hypothetical protein Mass: 177381 Score: 16 Peptides matched: 1
 Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
<input checked="" type="checkbox"/> 11	1082.14	1081.13	1081.58	-0.44	1	19	2.1	1	EDVDHKVIK

Proteins matching the same set of peptides:

CpIOWA_EAK89000	Mass: 177381	Score: 16	Peptides matched: 1
CpIOWA_III_AEEE01000004-2-764324-768988	Mass: 179738	Score: 16	Peptides matched: 1

2. [ChTU502_EAL37198](#) Score: 16 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
11	1082.14	1081.13	1080.60	0.53	1	19	2.3	2	KDVPAMPPVK

Proteins matching the same set of peptides:

ChTU502_V_AEEL01000074-2-12284-17050	Score: 16	Peptides matched: 1
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3. [cgd3_3770](#) Score: 14 Peptides matched: 1

|EAK89246.1 |Hsp90, transcripts identified by EST

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
11	1082.14	1081.13	1081.58	-0.44	1	14	6.3	3	EVLHDKVDK

Proteins matching the same set of peptides:

ChTU502_EAL35500	Score: 14	Peptides matched: 1	
ChTU502_III_AEEL01000398-5-2770-638	Score: 14	Peptides matched: 1	
CpIOWA_EAK89246	Score: 14	Peptides matched: 1	
CpEST_AA555436-1-1-600	Mass: 23804	Score: 14	Peptides matched: 1
CpIOWA_III_AEEE01000004-3-855264-857396	Score: 14	Peptides matched: 1	

4. [CpGSS_AQ855395-5-591-427](#) Mass: 6541 Score: 14 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
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[14](#) 758.81 3031.22 3031.49 -0.27 0 14 2.3 1 LCXILSIMGSYECSTMILELIIQIR + Oxidation (M)

5. [CpIOWA_VIII_AAEE01000003-6-1001972-1001814](#) Mass: 6283 Score: 13 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
<input checked="" type="checkbox"/> 13	578.04	1154.06	1153.65	0.41	1	13	8.4	1	FNASFKILSK

6. [ChTU502_VII_AAEL01000003-2-5465-5677](#) Score: 11 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
11	1082.14	1081.13	1081.71	-0.58	0	11	14	4	EVIVVLLGLK

7. [ChTU502_EAL38309](#) Score: 9 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
11	1082.14	1081.13	1081.59	-0.46	1	9	22	5	KGIDLYFAR

Proteins matching the same set of peptides:

[ChTU502_VIII_AAEL01000005-1-47530-50346](#) Score: 9 Peptides matched: 1

8. [ChTU502_V_AAEL01000414-3-1530-1715](#) Score: 9 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
13	578.04	1154.06	1153.52	0.54	1	9	22	3	AMMKCMQVR

Proteins matching the same set of peptides:

[CpIOWA_V_AAEE01000010-2-44678-44863](#) Score: 9 Peptides matched: 1

9. [ChTU502_II_AAEL01000224-4-9017-8829](#) Mass: 7808 Score: 7 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
<input checked="" type="checkbox"/> 9	467.48	932.94	933.45	-0.50	1	7	37	1	CVNRTER

10. [ChTU502_IV_AAEL01000078-5-18526-18368](#) Score: 7 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
<input type="checkbox"/> 9	467.48	932.94	932.47	0.47	0	7	37	2	IVSSAPMGR + Oxidation (M)

11. [ChTU502_V_AAEL01000155-1-5422-5598](#) Score: 7 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
<input type="checkbox"/> 14	758.81	3031.22	3030.54	0.69	1	7	11	2	LYSIWELSSSLDNLQINTTSKACFK

Proteins matching the same set of peptides:

[CpGSS_AQ855471-2-347-523](#) Score: 7 Peptides matched: 1

[CpIOWA_V_AAEE01000007-5-802668-802492](#) Score: 7 Peptides matched: 1

12. [ChTU502_EAL34981](#) Score: 7 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
<input type="checkbox"/> 14	758.81	3031.22	3030.45	0.78	0	7	11	3	DTNSINIMEFDSAQNSVSIIDIIK + Oxidation (M)

Proteins matching the same set of peptides:

[ChTU502_I_AAEL01000673-1-1-2154](#) Score: 7 Peptides matched: 1

13. [cgd3_1180](#) Score: 7 Peptides matched: 1

| |hypothetical protein

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
9	467.48	932.94	933.50	-0.56	0	7	42	3	NNASLLFR

Proteins matching the same set of peptides:

[CpIOWA_III_AAEE01000004-6-273908-262305](#) Score: 7 Peptides matched: 1

14. [ChTU502_II_AAEL01000102-4-14637-14443](#) Score: 7 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
11	1082.14	1081.13	1080.66	0.47	1	7	36	7	TKISLFIFL

Proteins matching the same set of peptides:

[CpIOWA_II_AAEE01000005-3-497394-497588](#) Score: 7 Peptides matched: 1

15. [cgd4_3820](#) Score: 7 Peptides matched: 1

|EAK87748.1 |hypothetical protein

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
14	758.81	3031.22	3030.36	0.86	1	7	13	4	SCMNLHTDIQDNGYRSVYPNYNEK

Proteins matching the same set of peptides:

[CpGSS_AQ034222-1-1-600](#) Score: 7 Peptides matched: 1

[CpIOWA_EAK87748](#) Score: 7 Peptides matched: 1

[CpIOWA_IV_AAEE01000008-6-543728-541038](#) Score: 7 Peptides matched: 1

16. [ChTU502_IV_AAEL01000669-4-1545-1327](#) Score: 6 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
9	467.48	932.94	933.43	-0.49	0	6	46	4	CDSINGIR

Proteins matching the same set of peptides:

[CpIOWA_IV_AAEE01000009-1-286309-286605](#) Score: 6 Peptides matched: 1

17. [ChTU502_I_AAEL01000269-2-7226-7432](#) Score: 6 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
9	467.48	932.94	932.43	0.51	0	6	51	5	CWAGNAVR

18. [CpIOWA_V_AAEE01000007-6-284078-281760](#) Mass: 91279 Score: 6 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
<input checked="" type="checkbox"/> 10	534.04	1066.06	1065.51	0.55	1	6	46	1	NMGSSISKDK

19. [cgd3_4050](#) Score: 6 Peptides matched: 1

|EAK89234.1 |cyclin

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
11	1082.14	1081.13	1081.62	-0.49	1	6	44	8	KSLLF TM VK + Oxidation (M)

Proteins matching the same set of peptides:

[ChTU502_III_AAEL01000125-6-5848-4742](#) Score: 6 Peptides matched: 1

[CpIOWA_EAK89234](#) Score: 6 Peptides matched: 1

[CpIOWA_III_AAEE01000004-3-914115-915146](#) Score: 6 Peptides matched: 1

20. [ChTU502_V_AAEL01001223-5-517-356](#) Score: 6 Peptides matched: 1

Check to include this hit in error tolerant search or archive report

Query	Observed	Mr(expt)	Mr(calc)	Delta	Miss	Score	Expect	Rank	Peptide
10	534.04	1066.06	1065.54	0.52	0	6	46	2	YYMHLAIR

Proteins matching the same set of peptides:

[CpIOWA_V_AAEE01000010-2-50645-50806](#)

Score: 6

Peptides matched: 1

Search Parameters

Type of search : MS/MS Ion Search
Enzyme : Trypsin
Fixed modifications : Carbamidomethyl (C)
Variable modifications : Oxidation (M)
Mass values : Monoisotopic
Protein Mass : Unrestricted
Peptide Mass Tolerance : ± 1 Da
Fragment Mass Tolerance : ± 0.8 Da
Max Missed Cleavages : 1
Instrument type : ESI-TRAP
Data File Name : Y:\sanya\LTQ\Sid_16\merge.mgf
Number of queries : 14