

Appendix I

Mascot Search Results

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample1
MS data file : C:\DOCUME~1\ADMINI~1\LOCALS~1\Temp\mas10.tmp
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 11:57:03 GMT
Significant hits: [gi|32399022](#) hypothetical predicted Armadillo/beta-catenin-like repeat protein, [*C. parvum*]
[gi|20513131](#) a135 protein [*C. parvum*]
[gi|323089](#) actin - *C. parvum*
[gi|2894790](#) elongation factor 1 alpha [*C. parvum*]
[gi|627048](#) actin I - malaria parasite (*Plasmodium falciparum*)
[gi|46229263](#) hypothetical protein, signal peptide, paralogs [*C. parvum*]
[gi|4107495](#) translation elongation factor 1-alpha [*Euplotes aediculatus*]
[gi|32398654](#) protein disulphide isomerase, probable [*C. parvum*]
[gi|46229140](#) glyceraldehyde 3-phosphate dehydrogenase [*C. parvum*]
[gi|3122059](#) Elongation factor 2 (EF-2)
[gi|54656279](#) ribosomal protein S5 [*C. hominis*]
[gi|9307](#) alpha-tubulin [*Euplotes octocarinatus*]
[gi|32399103](#) hypothetical predicted protein, unknown function [*C. parvum*]
[gi|23613051](#) hypothetical protein [*Plasmodium falciparum* 3D7]
[gi|23508281](#) hypothetical protein [*Plasmodium falciparum* 3D7]
[gi|23486646](#) outer arm dynein beta heavy chain [*Plasmodium yoelii yoelii*]
[gi|23489395](#) myosin D [*Plasmodium yoelii yoelii*]
[gi|23619138](#) hypothetical protein [*Plasmodium falciparum* 3D7]
[gi|29378311](#) subtilisin-like protease [*Toxoplasma gondii*]
[gi|16805032](#) Ser/Thr protein kinase, putative [*Plasmodium falciparum* 3D7]
[gi|46226838](#) *C. oocyst* wall protein 6, CpCOWP6 [*C. parvum*]
[gi|23619234](#) hypothetical protein [*Plasmodium falciparum* 3D7]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample2
MS data file : C:\DOCUME~1\ADMINI~1\LOCALS~1\Temp\mas11.tmp
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 12:04:17 GMT
Significant hits: [gi|46229263](#) hypothetical protein, signal peptide, paralogs [*C. parvum*]
[gi|46229086](#) hypothetical protein with a signal peptide [*C. parvum*]
[gi|20513131](#) a135 protein [*C. parvum*]
[gi|323089](#) actin - *C. parvum*
[gi|84344](#) actin - *Tetrahymena thermophila*
[gi|32398735](#) hypothetical predicted multi-pass transmembrane protein, [*C. parvum*]

[gi|46229151](#) hypothetical prote with signal peptide, transcripts identified by EST [*C. parvum*]
[gi|32399022](#) hypothetical predicted Armadillo/beta-catenin-like repeat protein, [*C. parvum*]
[gi|23613822](#) hypothetical protein [*Plasmodium falciparum* 3D7]
[gi|29378311](#) subtilisin-like protease [*Toxoplasma gondii*]
[gi|3309593](#) ciliary outer arm dynein beta heavy chain [*Tetrahymena thermophila*]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample3
MS data file : C:\DOCUME~1\ADMINI~1\LOCALS~1\Temp\mas12.tmp
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 09:48:41 GMT
Significant hits: [gi|20513131](#) a135 protein [*C. parvum*]
[gi|84344](#) actin - *Tetrahymena thermophila*
[gi|627048](#) actin I - malaria parasite (*Plasmodium falciparum*)
[gi|14164308](#) aminopeptidase N [*C. parvum*]
[gi|323089](#) actin - *C. parvum*
[gi|46229086](#) hypothetical protein with a signal peptide [*C. parvum*]
[gi|29378311](#) subtilisin-like protease [*Toxoplasma gondii*]
[gi|2894790](#) elongation factor 1 alpha [*C. parvum*]
[gi|13195258](#) 235 kDa rhostry protein [*Plasmodium yoelii yoelii*]
[gi|23488615](#) hypothetical protein [*Plasmodium yoelii yoelii*]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample4
MS data file : C:\DOCUME~1\ADMINI~1\LOCALS~1\Temp\mas13.tmp
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 10:08:39 GMT
Significant hits: [gi|3122059](#) Elongation factor 2 (EF-2)
[gi|32398670](#) hypothetical predicted protein, unknown function [*C. parvum*]
[gi|45453485](#) p138 [*Tetrahymena thermophila*]
[gi|323089](#) actin - *C. parvum*
[gi|14164308](#) aminopeptidase N [*C. parvum*]
[gi|32398975](#) elongation factor 1 alpha [*C. parvum*]
[gi|23480925](#) hypothetical protein [*Plasmodium yoelii yoelii*]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample 6
MS data file : D:\TEMP\masDC.tmp
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 10:19:17 GMT
Significant hits: [gi|2894792](#) heat shock protein 70 [*C. parvum*]
[gi|8515216](#) heat shock protein 70 [*C. baileyi*]
[gi|8515214](#) heat shock protein 70 [*C. felis*]
[gi|27979988](#) 70 kDa heat shock protein [*C. canis*]
[gi|8515222](#) heat shock protein 70 [*C. muris*]
[gi|8515220](#) heat shock protein 70 [*C. serpentis*]
[gi|46229089](#) hypothetical protein with a signal peptide [*C. parvum*]
[gi|3098140](#) heat shock protein 70 [*Toxoplasma gondii*]
[gi|123602](#) HEAT SHOCK 70 KD PROTEIN (HSP 70.1)
[gi|1209310](#) heat shock protein
[gi|3323502](#) heat shock protein 70 [*Toxoplasma gondii*]
[gi|1037176](#) immunoglobulin heavy chain binding protein [*Eimeria tenella*]
[gi|3169841](#) heat shock protein 70 [*Euplotes aediculatus*]
[gi|3169837](#) heat shock protein 70 [*Euplotes aediculatus*]
[gi|23480384](#) heat shock protein [*Plasmodium yoelii yoelii*]
[gi|311895](#) heat shock protein [*Plasmodium falciparum*]
[gi|1037174](#) immunoglobulin heavy chain binding protein [*Eimeria maxima*]
[gi|603812](#) heat-shock protein [*Eimeria maxima*]
[gi|6492134](#) heat shock protein 70 [*Babesia bovis*]
[gi|3169857](#) heat shock protein 70 [*Paramecium tetraurelia*]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample7
MS data file : C:\DOCUME~1\ADMINI~1\LOCALS~1\Temp\mas14.tmp
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 10:35:13 GMT
Significant hits: [gi|32398975](#) elongation factor 1 alpha [*C. parvum*]
[gi|10140](#) elongation factor 1 alpha [*Stylonychia lemnae*]
[gi|16805004](#) asparagine -- tRNA ligase, putative [*Plasmodium falciparum* 3D7]
[gi|23612552](#) hypothetical protein [*Plasmodium falciparum* 3D7]
[gi|23612349](#) hypothetical protein [*Plasmodium falciparum* 3D7]
[gi|46226838](#) *Cryptosporidium* oocyst wall protein 6, CpCOWP6 [*C. parvum*]
[gi|323089](#) actin - *C. parvum*
[gi|27980136](#) actin [*C. sp.* 886]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample8
MS data file : C:\DOCUME~1\ADMINI~1\LOCALS~1\Temp\masA.tmp
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 11:51:00 GMT
Significant hits: [gi|32398975](#) elongation factor 1 alpha [*C. parvum*]
[gi|32398654](#) protein disulphide isomerase, probable [*C. parvum*]
[gi|46229170](#) EF-hands domain containing protein [*C. parvum*]
[gi|21634435](#) alpha tubulin [*C. parvum*]
[gi|323089](#) actin - *C. parvum*
[gi|1944528](#) beta tubulin [*C. parvum*]
[gi|4107495](#) translation elongation factor 1-alpha [*Euplotes aediculatus*]
[gi|119153](#) Elongation factor 1-alpha (EF-1-alpha)
[gi|46229128](#) 26S proteasome regulatory subunit Rpn6-like; PINT domain protein [*C. parvum*]
[gi|4107497](#) translation elongation factor 1-alpha [*Naxella sp.*]
[gi|886061](#) translation elongation factor EF-1alpha
[gi|27450759](#) actin [*Pyrocystis lunula*]
[gi|627048](#) actin I - malaria parasite (*Plasmodium falciparum*)
[gi|3377675](#) actin [*Entodinium caudatum*]
[gi|46229236](#) ERGIC-53-like mannose binding lectin that is a type I membrane protein,
[gi|23483847](#) hypothetical protein [*Plasmodium yoelii yoelii*]
[gi|13345187](#) reticulocyte binding protein 2 homolog A [*Plasmodium falciparum*]
[gi|6959876](#) beta-tubulin [*C. parvum*]
[gi|23482331](#) chloroquine resistance marker protein, putative [*Plasmodium yoelii yoelii*]
[gi|23485824](#) Formin Homology 2 Domain, putative [*Plasmodium yoelii yoelii*]
[gi|323106](#) P-type cation translocating ATPase - malaria parasite (*Plasmodium falciparum*)

User : siddiki
Email : 0202740s@student.gla.ac.uk
Search title : Sample 9
MS data file : D:\TEMP\masDB.tmp
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 10:26:28 GMT
Significant hits: [gi|323089](#) actin - *C. parvum*
[gi|20799249](#) actin [*C. parvum*]
[gi|27980136](#) actin [*C. sp. 886*]
[gi|27980134](#) actin [*C. sp. 3421*]
[gi|32398896](#) 60S ribosomal protein-like, probable [*C. parvum*]
[gi|20799269](#) actin [*C. felis*]
[gi|606857](#) actin [*Toxoplasma gondii*]
[gi|20799275](#) actin [*C. muris*]
[gi|627048](#) actin I - malaria parasite (*Plasmodium falciparum*)
[gi|27450759](#) actin [*Pyrocystis lunula*]
[gi|625521](#) actin II - malaria parasite (*Plasmodium falciparum*)
[gi|37694465](#) actin [*Lingulodinium polyedrum*]

[gi|54658467](#) eukaryotic initiation factor 4A (eIF4A) (eIF-4A) [*C. hominis*]
[gi|578569](#) phosphoglycerate kinase (GTP) [*Tetrahymena thermophila*]
[gi|13774290](#) actin II [Diophrys sp. PPR2000]
[gi|2894790](#) elongation factor 1 alpha [*C. parvum*]
[gi|38112712](#) actin [*Perkinsus marinus*]
[gi|25989716](#) fructose-1,6-bisphosphate aldolase [*Toxoplasma gondii*]
[gi|28628755](#) actin [*Heterocapsa rotundata*]
[gi|23509604](#) metalloendopeptidase, putative [*Plasmodium falciparum* 3D7]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample 11
MS data file : C:\Analyst Data\Projects\Andy\Data\29_09_03Siddiki.wiff
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 10:50:08 GMT
Significant hits: [gi|46229140](#) glyceraldehyde 3-phosphate dehydrogenase [*C. parvum*]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample 12
MS data file : C:\Analyst Data\Projects\Andy\Data\29_09_03Siddiki.wiff
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 11:03:56 GMT
Significant hits: [gi|32398670](#) hypothetical predicted protein, unknown function [*C. parvum*]
[gi|46229140](#) glyceraldehyde 3-phosphate dehydrogenase [*C. parvum*]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample 13
MS data file : C:\Analyst Data\Projects\Andy\Data\29_09_03Siddiki.wiff
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 11:00:30 GMT
Significant hits: [gi|32398735](#) hypothetical predicted multi-pass transmembrane protein, [*C. parvum*]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample 14
MS data file : C:\Analyst Data\Projects\Andy\Data\29_09_03Siddiki.wiff
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 10:45:47 GMT
Significant hits: [gi|23480087](#) Drosophila melanogaster GH13383p [*Plasmodium yoelii yoelii*]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample 15
MS data file : C:\Analyst Data\Projects\Andy\Data\29_09_03Siddiki.wiff
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 10:52:54 GMT
Significant hits: [gi|46226494](#) 60S ribosomal protein L9 [*C. parvum*]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample 16
MS data file : C:\Analyst Data\Projects\Andy\Data\29_09_03Siddiki.wiff
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 10:56:17 GMT
Significant hits: [gi|46229043](#) 60s ribosomal protein L21 [*C. parvum*]
[gi|509599](#) surface antigen
[gi|2492925](#) ADP-ribosylation factor 1
[gi|32398723](#) ribosomal protein S23 [*C. parvum*]
[gi|121964](#) Histone H2A.1
[gi|32399038](#) ribosomal protein L26, probable [*C. parvum*]
[gi|46229021](#) 60S ribosomal protein L11 [*C. parvum*]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample 17
MS data file : C:\Analyst Data\Projects\Andy\Data\29_09_03Siddiki.wiff
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 11:07:51 GMT
Significant hits: [gi|121964](#) Histone H2A.1
[gi|2909431](#) histone 3 [*Stylonychia lemnae*]

User : siddiki
Email : 0202740s@gla.ac.uk
Search title : Sample 19
MS data file : C:\Analyst Data\Projects\Andy\Data\29_09_03Siddiki.wiff
Database : NCBIInr 20041211 (2204172 sequences; 747096652 residues)
Taxonomy : Alveolata (alveolates) (22438 sequences)
Timestamp : 13 Dec 2004 at 11:42:38 GMT
Significant hits: [gi|556610](#) histone H2B