

**ProFound - Search Result Summary**Version 2002.03.01  
© 1997-2002 Proteometrics LLC**Protein Candidates**

Rank	Probability	Est'd Z	Protein Information and Sequence Analyse Tools (T)	%	pI	kDa	R
1	7.5e-001	0.40	<a href="#">FTTSGH1687</a> 1550643 1549633 [-1 L=1011 r=-1.235] (FTT1496 1550643 1549633 -) =====>ref YP_170431.1  hypothetical membrane protein [Francisella tularensis subsp.tularensis Schu 4] Score = 663 bits (1710), Expect = 0.0=====>ref YP_170535.1  hypothetical membrane protein [Francisella tularensis subsp.tularensis Schu 4] Score = 150 bits (380), Expect = 5e-35	10	6.5	37.74	
2	1.4e-001	0.17	<a href="#">FTTSGH1206</a> 1086581 1086465 [-3 L= 117 r=-1.319] [OlapWith _1236 L=59 S=98] (None identical in .gff) =====>Hypothetical ORF FTTSGH1206	38	6.2	4.43	
3	1.4e-002	-	<a href="#">FTTSGH0928</a> 850799 851158 [+2 L= 360 r=-1.252] (FTT0834 850799 851158 +) =====>emb CAD75895.1  chorismate mutase [Rhodopirellula baltica SH 1]ref NP_868518.1  chorismate mutase [Rhodopirellula baltica SH 1] Score = 119 bits (299), Expect = 2e-26=====>ref YP_169839.1  chorismate mutase [Francisella tularensis subsp. tularensis Schu 4]gb AAV29324.1  NT02FT0715 [synthetic construct] Score = 236 bits (602), Expect = 2e-61	16	9.0	13.51	
4	1.1e-002	-	<a href="#">FTTSGH0294</a> 285584 286216 [+2 L= 633 r=-1.256] [DelayedBy _301 L=30] (FTT0269 285094 285630 +) (FTT0270 285584 286216 +) =====>gb AAO91322.1  outer membrane lipoprotein LolB, putative [Coxiella burnetii RSA493] Score = 115 bits (287), Expect = 1e-24=====>ref YP_169322.1  lipoprotein releasing system, subunit B, outer membrane lipoprotein[Francisella tularensis subsp. tularensis Schu 4] Score = 418 bits (1075), Expect = e-116	12	9.6	23.78	
5	1.0e-002	-	<a href="#">FTTSGH1289</a> 1155426 1155923 [+3 L= 498 r=-1.217] (FTT1144 1155453 1155907 +) =====>ref NP_388300.1  hypothetical protein BSU04190 [Bacillus subtilis subsp. subtilisstr. 168] Score = 128 bits (321), Expect = 8e-29	14	8.4	19.13	

6	9.1e-003	-	<p><a href="#">FTTSGH1692</a> 1555510 1556538 [+1 L=1029 r=-1.234] (FTT1501 1555510 1556538 +) ====&gt;gb AAO36241.1  putative carbamoyl-phosphate synthase large chain [Clostridiumtetani E88] Score = 80.5 bits (197), Expect = 8e-14====&gt;ref YP_169534.1  hypothetical protein FTT0499 [Francisella tularensis subsp.tularensis Schu 4] Score = 194 bits (492), Expect = 5e-48</p>	6	6.1	38.89	
7	7.1e-003	-	<p><a href="#">FTTSGH1741</a> 1603958 1603353 [-3 L= 606 r=-1.214] (FTT1540 1603958 1603353 -) ====&gt;ref NP_716687.1  hypothetical protein SO1060 [Shewanella oneidensis MR-1]gb AAN54132.1  conserved hypothetical protein [Shewanella oneidensis MR-1] Score = 161 bits (408), Expect = 1e-38====&gt;ref YP_170468.1  hypothetical protein FTT1540c [Francisella tularensis subsp.tularensis Schu 4] Score = 397 bits (1020), Expect = e-109</p>	14	9.3	22.45	
8	5.2e-003	-	<p><a href="#">FTTSGH0803</a> 750029 748998 [-3 L=1032 r=-1.215] (FTT0726 750029 748998 -) ====&gt;ref NP_773224.1  putative glycerophosphoryl diester phosphodiesterase [Bradyrhizobiumjaponicum USDA 110] Score = 215 bits (547), Expect = 2e-54====&gt;ref YP_169739.1  glycerophosphoryl diester phosphodiesterase family protein[Francisella tularensis subsp. tularensis Schu 4] Score = 707 bits (1824), Expect = 0.0</p>	9	5.4	39.02	
9	3.0e-003	-	<p><a href="#">FTTSGH0219</a> 219690 218950 [-1 L= 741 r=-0.999] (FTT0202c 219690 218950 -) ====&gt;ref YP_122434.1  hypothetical protein lpp0083 [Legionella pneumophila str. Paris]emb CAH11231.1  hypothetical protein [Legionella pneumophila str. Paris] Score = 260 bits (665), Expect = 2e-68====&gt;ref YP_170453.1  Transposase [Francisella tularensis subsp. tularensis Schu 4]ref YP_170402.1  Transposase [Francisella tularensis subsp. tularensis Schu 4] Score = 508 bits (1307), Expect = e-143</p>	9	9.6	28.92	
10	3.0e-003	-	<p><a href="#">FTTSGH0808</a> 753265 754005 [+1 L= 741 r=-0.999] (FTT0730 753265 754005 +) ====&gt;ref YP_122434.1  hypothetical protein lpp0083 [Legionella pneumophila str. Paris]emb CAH11231.1  hypothetical protein [Legionella pneumophila str. Paris] Score = 260 bits (665), Expect =</p>	9	9.6	28.92	

2e-68====>ref|YP\_170453.1| Transposase  
[Francisella tularensis subsp. tularensis Schu  
4]ref|YP\_170402.1| Transposase [Francisella  
tularensis subsp. tularensis Schu 4] Score =  
508 bits (1307), Expect = e-143

**NOTE:**

1. To search again using [unmatched masses](#), click the symbol .

**Input Summary**

**Search id** 20060404155744-1E5C-192168001107

**Sequences** 1986

**Date & Time** Tue Apr 04 20:57:44 2006 UTC (Search Time: 0.19 sec.)

**Sample ID** Schu4 252 [Pass: 1]

**Database** SCHU2K [..\databases\schu2k]

**Taxonomy** -

**Mass Range** 0 - 40 kDa

**pI Range** 0.0 -14.0

**Digestion** Trypsin

**Missed Cuts** 1

**Modifications** +O@M(Partial);

**Charge State** MH+

**Masses (avg)**

**Tolerance (avg)** 1.00 ppm

**Masses (mon)** 861.486 962.450 1140.701 1387.771 1457.844 1622.004 1638.911  
1661.022 1674.984 1703.189 1707.855 1838.974 1994.049  
2501.276

**Tolerance (mon)** 100.00 ppm

**Number of** 14

**Peptides**

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