

# **MASCOT** Mascot Search Results

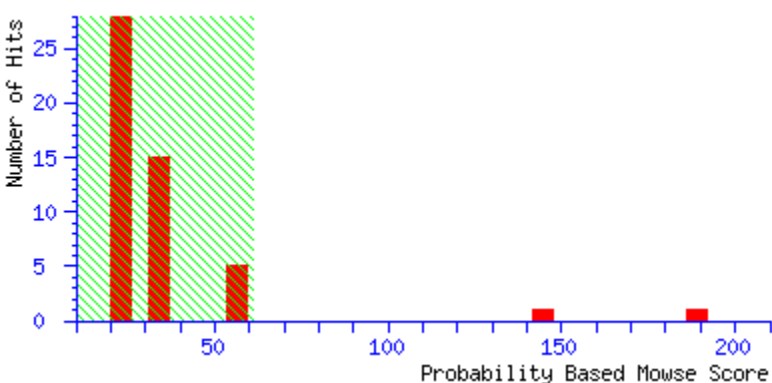
**User** :  
**Email** :  
**Search title** : ABSCIEX SERVICE\150916-DRDO\MSMS 2\G4  
**Database** : NCBIInr 29112011 (13841106 sequences; 4750259772 residues)  
**Taxonomy** : Rattus (67132 sequences)  
**Timestamp** : 22 Sep 2016 at 06:50:35 GMT  
**Warning** : **A Peptide summary report will usually give a much clearer picture of MS/MS search results**  
**Top Score** : 189 for **gi|13591894**, alcohol dehydrogenase [NADP+] [Rattus norvegicus]

## Probability Based Mowse Score

Protein score is  $-10 \cdot \log(P)$ , where P is the probability that the observed match is a random event.

Protein scores greater than 61 are significant ( $p < 0.05$ ).

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



## Protein Summary Report

Format As  [Help](#)

Significance threshold  $p <$

Max. number of hits

Standard scoring  MudPIT scoring

Ions score or expect cut-off

Show sub-sets

Show pop-ups  Suppress pop-ups

Sort unassigned

Require bold red

## Index

	Accession	Mass	Score	Description
1.	<a href="#">gi 13591894</a>	36711	189	alcohol dehydrogenase [NADP+] [Rattus norvegicus]
2.	<a href="#">gi 149035585</a>	33369	141	aldo-keto reductase family 1, member A1, isoform CRA_b [Rattus norvegicus]
3.	<a href="#">gi 149031970</a>	21249	61	rCG50690 [Rattus norvegicus]
4.	<a href="#">gi 155369696</a>	59555	60	keratin, type II cytoskeletal 6A [Rattus norvegicus]
5.	<a href="#">gi 293348969</a>	59675	59	PREDICTED: keratin 6A-like [Rattus norvegicus]
6.	<a href="#">gi 554464</a>	3106	58	keratin K6 [Rattus norvegicus]
7.	<a href="#">gi 109482941</a>	59735	55	PREDICTED: keratin, type II cytoskeletal 6A-like isoform 1 [Rattus norvegicus]

8.	<a href="#">gi 149020956</a>	22738	36	aldo-keto reductase family 1, member E1, isoform CRA_c [Rattus norvegicus]
9.	<a href="#">gi 149035434</a>	18109	36	rCG50190, isoform CRA_a [Rattus norvegicus]
10.	<a href="#">gi 149035435</a>	57721	36	rCG50190, isoform CRA_b [Rattus norvegicus]
11.	<a href="#">gi 149020954</a>	10429	35	aldo-keto reductase family 1, member E1, isoform CRA_a [Rattus norvegicus]
12.	<a href="#">gi 149041538</a>	74713	33	rCG58022, isoform CRA_c [Rattus norvegicus]
13.	<a href="#">gi 68341941</a>	61116	33	importin subunit alpha-6 [Rattus norvegicus]
14.	<a href="#">gi 293362285</a>	26053	32	PREDICTED: rCG56785-like [Rattus norvegicus]
15.	<a href="#">gi 157823867</a>	116793	32	tolloid-like 1 [Rattus norvegicus]
16.	<a href="#">gi 149041539</a>	58151	32	rCG58022, isoform CRA_d [Rattus norvegicus]
17.	<a href="#">gi 149058956</a>	11702	32	rCG44583 [Rattus norvegicus]
18.	<a href="#">gi 32492560</a>	106118	31	Aa1017 [Rattus norvegicus]
19.	<a href="#">gi 157821627</a>	65548	30	SLAIN motif-containing protein 2 [Rattus norvegicus]
20.	<a href="#">gi 149041536</a>	34338	30	rCG58022, isoform CRA_a [Rattus norvegicus]

## Results List

1.	<a href="#">gi 13591894</a>	<b>Mass:</b> 36711	<b>Score:</b> 189	<b>Expect:</b> 8.5e-015	<b>Queries matched:</b> 19				
alcohol dehydrogenase [NADP+] [Rattus norvegicus]									
	<b>Observed</b>	<b>Mr (expt)</b>	<b>Mr (calc)</b>	<b>ppm</b>	<b>Start</b>	<b>End</b>	<b>Miss</b>	<b>Ions</b>	<b>Peptide</b>
	897.6122	896.6049	896.5443	67.6	244	- 251	0	29	R.SPAQILLR.W
	897.6122	896.6049	896.5443	67.6	244	- 251	0	---	R.SPAQILLR.W
	928.5591	927.5518	927.4814	75.9	35	- 42	0	33	K.YALSVGYR.H
	928.5591	927.5518	927.4814	75.9	35	- 42	0	---	K.YALSVGYR.H
	1051.6309	1050.6236	1050.5458	74.0	158	- 167	0	---	K.ALGLSNFSSR.Q
	1051.6309	1050.6236	1050.5458	74.1	158	- 167	0	---	K.ALGLSNFSSR.Q
	1259.7749	1258.7676	1258.6306	109	288	- 297	1	---	K.QLDALNKNWR.Y + 2 Deamidated (NQ)
	1259.7749	1258.7676	1258.6306	109	288	- 297	1	---	K.QLDALNKNWR.Y + 2 Deamidated (NQ)
	1285.7260	1284.7187	1284.6211	76.0	86	- 96	0	54	K.HHPEDVEPAVR.K
	1285.7260	1284.7187	1284.6211	76.0	86	- 96	0	---	K.HHPEDVEPAVR.K
	1375.8502	1374.8429	1374.7507	67.1	69	- 80	1	---	K.AVPREELFVTSK.L
	1375.8502	1374.8429	1374.7507	67.1	69	- 80	1	---	K.AVPREELFVTSK.L
	1413.8215	1412.8142	1412.7160	69.5	86	- 97	1	---	K.HHPEDVEPAVRK.T
	1505.8356	1504.8283	1504.6623	110	313	- 325	0	29	R.DAGHPLYPFNDPY.-
	1505.8356	1504.8283	1504.6623	110	313	- 325	0	---	R.DAGHPLYPFNDPY.-
	1551.8925	1550.8852	1550.7576	82.2	204	- 218	0	---	R.GLEVTAYSPLGSSDR.A
	1551.8925	1550.8852	1550.7576	82.3	204	- 218	0	---	R.GLEVTAYSPLGSSDR.A
	1707.9005	1706.8932	1706.8814	6.92	295	- 308	1	---	K.NWRYIVPMITVDGK.R + Oxidation (M)
	1707.9005	1706.8932	1706.8814	6.93	295	- 308	1	---	K.NWRYIVPMITVDGK.R + Oxidation (M)
<b>No match to:</b> 842.5737, 842.5737, 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 1179.6890, 1179.6890, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1374.7856, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1463.8888, 1463.8888, 1493.8533, 1493.8533, 1638.9702, 1638.9702, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629									
2.	<a href="#">gi 149035585</a>	<b>Mass:</b> 33369	<b>Score:</b> 141	<b>Expect:</b> 5.3e-010	<b>Queries matched:</b> 13				
aldo-keto reductase family 1, member A1, isoform CRA_b [Rattus norvegicus]									
	<b>Observed</b>	<b>Mr (expt)</b>	<b>Mr (calc)</b>	<b>ppm</b>	<b>Start</b>	<b>End</b>	<b>Miss</b>	<b>Ions</b>	<b>Peptide</b>
	897.6122	896.6049	896.5443	67.6	244	- 251	0	29	R.SPAQILLR.W
	897.6122	896.6049	896.5443	67.6	244	- 251	0	---	R.SPAQILLR.W
	928.5591	927.5518	927.4814	75.9	35	- 42	0	33	K.YALSVGYR.H
	928.5591	927.5518	927.4814	75.9	35	- 42	0	---	K.YALSVGYR.H
	1051.6309	1050.6236	1050.5458	74.0	158	- 167	0	---	K.ALGLSNFSSR.Q
	1051.6309	1050.6236	1050.5458	74.1	158	- 167	0	---	K.ALGLSNFSSR.Q

1285.7260	1284.7187	1284.6211	76.0	86	-	96	0	54	K.HHPEDVEPAVR.K
1285.7260	1284.7187	1284.6211	76.0	86	-	96	0	---	K.HHPEDVEPAVR.K
1375.8502	1374.8429	1374.7507	67.1	69	-	80	1	---	K.AVPREELFVTSK.L
1375.8502	1374.8429	1374.7507	67.1	69	-	80	1	---	K.AVPREELFVTSK.L
1413.8215	1412.8142	1412.7160	69.5	86	-	97	1	---	K.HHPEDVEPAVRK.T
1551.8925	1550.8852	1550.7576	82.2	204	-	218	0	---	R.GLEVTAYSPLGSSDR.A
1551.8925	1550.8852	1550.7576	82.3	204	-	218	0	---	R.GLEVTAYSPLGSSDR.A

**No match to:** 842.5737, 842.5737, 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 1179.6890, 1179.6890, 1259.7749, 1259.7749, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1374.7856, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1463.8888, 1463.8888, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629

3. [gi|149031970](#) Mass: 21249 Score: 61 Expect: 0.058 Queries matched: 6

rCG50690 [Rattus norvegicus]

Observed	Mr(expt)	Mr(calc)	ppm	Start	End	Miss	Ions	Peptide	
1179.6890	1178.6817	1178.5931	75.1	119	-	128	0	51	K.YEELQITAGR.H
1179.6890	1178.6817	1178.5931	75.2	119	-	128	0	---	K.YEELQITAGR.H
1285.7260	1284.7187	1284.6020	90.8	1	-	11	1	---	-.MQGTVEDYKSK.Y
1285.7260	1284.7187	1284.6020	90.9	1	-	11	1	---	-.MQGTVEDYKSK.Y
1331.8176	1330.8103	1330.6841	94.9	135	-	145	1	---	R.NTKQEISEINR.M
1331.8176	1330.8104	1330.6841	94.9	135	-	145	1	---	R.NTKQEISEINR.M

**No match to:** 842.5737, 842.5737, 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1259.7749, 1259.7749, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1463.8888, 1463.8888, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629

4. [gi|155369696](#) Mass: 59555 Score: 60 Expect: 0.063 Queries matched: 11

keratin, type II cytoskeletal 6A [Rattus norvegicus]

Observed	Mr(expt)	Mr(calc)	ppm	Start	End	Miss	Ions	Peptide	
1051.6309	1050.6236	1050.4764	140	58	-	67	0	---	R.SLCGVGSSQR.I + Deamidated (NQ)
1051.6309	1050.6236	1050.4764	140	58	-	67	0	---	R.SLCGVGSSQR.I + Deamidated (NQ)
1179.6890	1178.6817	1178.5931	75.1	349	-	358	0	51	K.YEELQITAGR.H
1179.6890	1178.6817	1178.5931	75.2	349	-	358	0	---	K.YEELQITAGR.H
1331.8176	1330.8103	1330.6841	94.9	365	-	375	1	---	R.NTKQEISEINR.M
1331.8176	1330.8104	1330.6841	94.9	365	-	375	1	---	R.NTKQEISEINR.M
1463.8888	1462.8815	1462.7667	78.5	172	-	183	1	---	R.FLEQQNKVLDTK.W + Deamidated (NQ)
1463.8888	1462.8815	1462.7667	78.5	172	-	183	1	---	R.FLEQQNKVLDTK.W + Deamidated (NQ)
1493.8533	1492.8460	1492.7959	33.5	433	-	444	1	---	R.LLKEYQDLMNVK.L
1493.8533	1492.8460	1492.7959	33.6	433	-	444	1	---	R.LLKEYQDLMNVK.L
2384.1306	2383.1233	2383.2093	-36.08	436	-	455	1	---	K.EYQDLMNVKALDVEIATYR.T

**No match to:** 842.5737, 842.5737, 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2399.1768, 2705.3350, 2717.2629

5. [gi|293348969](#) Mass: 59675 Score: 59 Expect: 0.088 Queries matched: 10

PREDICTED: keratin 6A-like [Rattus norvegicus]

Observed	Mr (expt)	Mr (calc)	ppm	Start	End	Miss	Ions	Peptide
1179.6890	1178.6817	1178.5931	75.1	349	- 358	0	51	K.YEELQITAGR.H
1179.6890	1178.6817	1178.5931	75.2	349	- 358	0	---	K.YEELQITAGR.H
1331.8176	1330.8103	1330.6841	94.9	365	- 375	1	---	R.NTKQEISEINR.M
1331.8176	1330.8104	1330.6841	94.9	365	- 375	1	---	R.NTKQEISEINR.M
1463.8888	1462.8815	1462.7667	78.5	172	- 183	1	---	R.FLEQQNKVLDTK.W + Deamidated (NQ
1463.8888	1462.8815	1462.7667	78.5	172	- 183	1	---	R.FLEQQNKVLDTK.W + Deamidated (NQ
1493.8533	1492.8460	1492.7959	33.5	433	- 444	1	---	R.LLKEYQDLMNVK.L
1493.8533	1492.8460	1492.7959	33.6	433	- 444	1	---	R.LLKEYQDLMNVK.L
2050.1382	2049.1309	2049.0166	55.8	197	- 212	1	---	R.QNLEPLFEQYINNLRR.Q + 3 Deamidat
2384.1306	2383.1233	2383.2093	-36.08	436	- 455	1	---	K.EYQDLMNVKLALDVEIATYR.T

**No match to:** 842.5737, 842.5737, 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2399.1768, 2705.3350, 2717.2629

6. [gi|554464](#) Mass: 3106 Score: 58 Expect: 0.11 Queries matched: 2

keratin K6 [Rattus norvegicus]

Observed	Mr (expt)	Mr (calc)	ppm	Start	End	Miss	Ions	Peptide
1179.6890	1178.6817	1178.5931	75.1	5	- 14	0	51	K.YEELQITAGR.H
1179.6890	1178.6817	1178.5931	75.2	5	- 14	0	---	K.YEELQITAGR.H

**No match to:** 842.5737, 842.5737, 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1463.8888, 1463.8888, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629

7. [gi|109482941](#) Mass: 59735 Score: 55 Expect: 0.2 Queries matched: 12

PREDICTED: keratin, type II cytoskeletal 6A-like isoform 1 [Rattus norvegicus]

Observed	Mr (expt)	Mr (calc)	ppm	Start	End	Miss	Ions	Peptide
1179.6890	1178.6817	1178.5931	75.1	349	- 358	0	51	K.YEELQITAGR.H
1179.6890	1178.6817	1178.5931	75.2	349	- 358	0	---	K.YEELQITAGR.H
1331.8176	1330.8103	1330.6841	94.9	365	- 375	1	---	R.NTKQEISEINR.M
1331.8176	1330.8104	1330.6841	94.9	365	- 375	1	---	R.NTKQEISEINR.M
1463.8888	1462.8815	1462.7667	78.5	172	- 183	1	---	R.FLEQQNKVLDTK.W + Deamidated (NQ
1463.8888	1462.8815	1462.7667	78.5	172	- 183	1	---	R.FLEQQNKVLDTK.W + Deamidated (NQ
1493.8533	1492.8460	1492.7959	33.5	433	- 444	1	---	R.LLKEYQDLMNVK.L
1493.8533	1492.8460	1492.7959	33.6	433	- 444	1	---	R.LLKEYQDLMNVK.L
1551.8925	1550.8852	1550.7763	70.2	289	- 301	0	---	R.VIFEAEALSQMQR.I
1551.8925	1550.8852	1550.7763	70.3	289	- 301	0	---	R.VIFEAEALSQMQR.I
1994.1136	1993.1063	1993.0381	34.2	197	- 212	1	---	R.QGLETLFQYINNLRR.Q
2384.1306	2383.1233	2383.2093	-36.08	436	- 455	1	---	K.EYQDLMNVKLALDVEIATYR.T

**No match to:** 842.5737, 842.5737, 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1505.8356, 1505.8356, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 2050.1382, 2399.1768, 2705.3350, 2717.2629

8. [gi|149020956](#) Mass: 22738 Score: 36 Expect: 15 Queries matched: 4  
aldo-keto reductase family 1, member E1, isoform CRA\_c [Rattus norvegicus]
- | Observed | Mr(expt) | Mr(calc) | ppm  | Start | End   | Miss | Ions | Peptide      |
|----------|----------|----------|------|-------|-------|------|------|--------------|
| 897.6122 | 896.6049 | 896.5443 | 67.6 | 125   | - 132 | 0    | 29   | K.SPAQILIR.F |
| 897.6122 | 896.6049 | 896.5443 | 67.6 | 125   | - 132 | 0    | ---  | K.SPAQILIR.F |
| 928.5591 | 927.5518 | 927.5250 | 28.9 | 145   | - 152 | 1    | ---  | K.SVNPSRIR.E |
| 928.5591 | 927.5518 | 927.5250 | 28.9 | 145   | - 152 | 1    | ---  | K.SVNPSRIR.E |
- No match to: 842.5737, 842.5737, 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 1051.6309, 1051.6309, 1179.6890, 1179.6890, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1463.8888, 1463.8888, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629
9. [gi|149035434](#) Mass: 18109 Score: 36 Expect: 18 Queries matched: 6  
rCG50190, isoform CRA\_a [Rattus norvegicus]
- | Observed  | Mr(expt)  | Mr(calc)  | ppm  | Start | End   | Miss | Ions | Peptide                            |
|-----------|-----------|-----------|------|-------|-------|------|------|------------------------------------|
| 842.5737  | 841.5664  | 841.4657  | 120  | 71    | - 77  | 0    | ---  | K.EIQSLPR.A                        |
| 842.5737  | 841.5665  | 841.4657  | 120  | 71    | - 77  | 0    | 26   | K.EIQSLPR.A                        |
| 1259.7749 | 1258.7676 | 1258.6768 | 72.1 | 94    | - 104 | 1    | ---  | R.ENSELEAKVLK.F                    |
| 1259.7749 | 1258.7676 | 1258.6768 | 72.1 | 94    | - 104 | 1    | ---  | R.ENSELEAKVLK.F                    |
| 1493.8533 | 1492.8460 | 1492.7885 | 38.5 | 37    | - 49  | 1    | ---  | K.RQQLTSAFTAIQK.S + 2 Deamidated ( |
| 1493.8533 | 1492.8460 | 1492.8038 | 28.3 | 82    | - 93  | 0    | ---  | R.EQFLVAYNLLQR.E                   |
- No match to: 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1179.6890, 1179.6890, 1285.7260, 1285.7260, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1463.8888, 1463.8888, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629
10. [gi|149035435](#) Mass: 57721 Score: 36 Expect: 18 Queries matched: 8  
rCG50190, isoform CRA\_b [Rattus norvegicus]
- | Observed  | Mr(expt)  | Mr(calc)  | ppm  | Start | End   | Miss | Ions | Peptide                            |
|-----------|-----------|-----------|------|-------|-------|------|------|------------------------------------|
| 842.5737  | 841.5664  | 841.4657  | 120  | 71    | - 77  | 0    | ---  | K.EIQSLPR.A                        |
| 842.5737  | 841.5665  | 841.4657  | 120  | 71    | - 77  | 0    | 26   | K.EIQSLPR.A                        |
| 1259.7749 | 1258.7676 | 1258.6768 | 72.1 | 94    | - 104 | 1    | ---  | R.ENSELEAKVLK.F                    |
| 1259.7749 | 1258.7676 | 1258.6768 | 72.1 | 94    | - 104 | 1    | ---  | R.ENSELEAKVLK.F                    |
| 1285.7260 | 1284.7187 | 1284.6786 | 31.2 | 292   | - 302 | 1    | ---  | K.QAQEKLLDNAR.M                    |
| 1285.7260 | 1284.7187 | 1284.6786 | 31.3 | 292   | - 302 | 1    | ---  | K.QAQEKLLDNAR.M                    |
| 1493.8533 | 1492.8460 | 1492.7885 | 38.5 | 37    | - 49  | 1    | ---  | K.RQQLTSAFTAIQK.S + 2 Deamidated ( |
| 1493.8533 | 1492.8460 | 1492.8038 | 28.3 | 82    | - 93  | 0    | ---  | R.EQFLVAYNLLQR.E                   |
- No match to: 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1179.6890, 1179.6890, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1463.8888, 1463.8888, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629
11. [gi|149020954](#) Mass: 10429 Score: 35 Expect: 21 Queries matched: 4  
aldo-keto reductase family 1, member E1, isoform CRA\_a [Rattus norvegicus]
- | Observed | Mr(expt) | Mr(calc) | ppm | Start | End | Miss | Ions | Peptide |
|----------|----------|----------|-----|-------|-----|------|------|---------|
|----------|----------|----------|-----|-------|-----|------|------|---------|

897.6122 896.6049 896.5443 67.6 16 - 23 0 29 K.SPAQILIR.F  
 897.6122 896.6049 896.5443 67.6 16 - 23 0 --- K.SPAQILIR.F  
 928.5591 927.5518 927.5250 28.9 36 - 43 1 --- K.SVNPSRIR.E  
 928.5591 927.5518 927.5250 28.9 36 - 43 1 --- K.SVNPSRIR.E  
**No match to:** 842.5737, 842.5737, 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 1051.6309, 1051.6309, 1179.6890, 1179.6890, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1463.8888, 1463.8888, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629

12. [gi|149041538](#) Mass: 74713 Score: 33 Expect: 36 Queries matched: 10

rCG58022, isoform CRA\_c [Rattus norvegicus]

Observed	Mr(expt)	Mr(calc)	ppm	Start	End	Miss	Ions	Peptide
842.5737	841.5664	841.5637	3.28	360	366	1	---	R.KELLVLK.L
842.5737	841.5665	841.5637	3.32	360	366	1	---	R.KELLVLK.L
1179.6890	1178.6817	1178.5931	75.1	240	248	1	24	R.YQEVLDKQR.Q + Deamidated (NQ)
1179.6890	1178.6817	1178.5931	75.2	240	248	1	---	R.YQEVLDKQR.Q + Deamidated (NQ)
1323.7662	1322.7589	1322.5772	137	143	153	1	---	K.QLASRNCSEEEK.C + 2 Deamidated (NQ)
1323.7662	1322.7590	1322.5772	137	143	153	1	---	K.QLASRNCSEEEK.C + 2 Deamidated (NQ)
1413.8215	1412.8142	1412.8126	1.16	361	372	1	---	K.ELLVLKLEEAKE.E
1463.8888	1462.8815	1462.7126	115	321	331	1	---	R.EVWEMELDRLK.N + Oxidation (M)
1463.8888	1462.8815	1462.7126	115	321	331	1	---	R.EVWEMELDRLK.N + Oxidation (M)
1994.1136	1993.1063	1992.8946	106	46	63	0	---	K.NLSPPSVSSQMITESNR.N + 2 Deamida

**No match to:** 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629

13. [gi|68341941](#) Mass: 61116 Score: 33 Expect: 37 Queries matched: 8

importin subunit alpha-6 [Rattus norvegicus]

Observed	Mr(expt)	Mr(calc)	ppm	Start	End	Miss	Ions	Peptide
842.5737	841.5664	841.4770	106	48	54	1	---	R.RNVSLPR.N + Deamidated (NQ)
842.5737	841.5665	841.4770	106	48	54	1	34	R.RNVSLPR.N + Deamidated (NQ)
1374.7856	1373.7783	1373.7013	56.1	299	309	0	---	R.LVELLMHNDYK.V
1375.8502	1374.8429	1374.6853	115	299	309	0	---	R.LVELLMHNDYK.V + Deamidated (NQ)
1375.8502	1374.8429	1374.6853	115	299	309	0	---	R.LVELLMHNDYK.V + Deamidated (NQ)
1413.8215	1412.8142	1412.8391	-17.64	162	174	0	---	K.VVIETGAVPIFIR.L
1551.8925	1550.8852	1550.9144	-18.84	437	450	0	---	K.IVQVALNGLENILR.L
1551.8925	1550.8852	1550.9144	-18.81	437	450	0	---	K.IVQVALNGLENILR.L

**No match to:** 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1179.6890, 1179.6890, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1463.8888, 1463.8888, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629

14. [gi|293362285](#) Mass: 26053 Score: 32 Expect: 40 Queries matched: 7

PREDICTED: rCG56785-like [Rattus norvegicus]

Observed	Mr(expt)	Mr(calc)	ppm	Start	End	Miss	Ions	Peptide
----------	----------	----------	-----	-------	-----	------	------	---------

1259.7749	1258.7676	1258.6517	92.1	73	-	82	1	---	K.LITEERNDLR.D + Deamidated (NQ)
1259.7749	1258.7676	1258.6517	92.1	73	-	82	1	---	K.LITEERNDLR.D + Deamidated (NQ)
1308.7545	1307.7472	1307.6081	106	36	-	46	0	---	R.QQFWGMLNAGR.E + Deamidated (NQ)
1308.7545	1307.7472	1307.6081	106	36	-	46	0	25	R.QQFWGMLNAGR.E + Deamidated (NQ)
1323.7662	1322.7589	1322.6190	106	36	-	46	0	---	R.QQFWGMLNAGR.E + Oxidation (M)
1323.7662	1322.7590	1322.6190	106	36	-	46	0	---	R.QQFWGMLNAGR.E + Oxidation (M)
2705.3350	2704.3277	2704.1194	77.0	23	-	46	1	---	K.ESSLSSQSNDGQRQQFWGMLNAGR.E + 6 D

**No match to:** 842.5737, 842.5737, 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1179.6890, 1179.6890, 1285.7260, 1285.7260, 1297.7300, 1320.7034, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1463.8888, 1463.8888, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2384.1306, 2399.1768, 2717.2629

15. [gi|157823867](#) Mass: 116793 Score: 32 Expect: 40 Queries matched: 17

tolloid-like 1 [Rattus norvegicus]

Observed	Mr (expt)	Mr (calc)	ppm	Start	End	Miss	Ions	Peptide	
842.5737	841.5664	841.4657	120	2	-	9	0	---	M.GLQALSPR.M + Deamidated (NQ)
842.5737	841.5665	841.4657	120	2	-	9	0	21	M.GLQALSPR.M + Deamidated (NQ)
897.6122	896.6049	896.4214	205	439	-	444	0	---	R.MWIEFR.S + Oxidation (M)
897.6122	896.6049	896.4214	205	439	-	444	0	---	R.MWIEFR.S + Oxidation (M)
1259.7749	1258.7676	1258.5789	150	524	-	535	0	---	R.DGNSENSPLIGR.F + Deamidated (NQ)
1259.7749	1258.7676	1258.5789	150	524	-	535	0	---	R.DGNSENSPLIGR.F + Deamidated (NQ)
1285.7260	1284.7187	1284.6714	36.8	625	-	636	0	---	K.LNGTITTPGWPK.E + Deamidated (NQ)
1285.7260	1284.7187	1284.6714	36.8	625	-	636	0	---	K.LNGTITTPGWPK.E + Deamidated (NQ)
1419.8638	1418.8565	1418.7001	110	117	-	129	1	---	R.RIGSGLEQNNTTK.G + 2 Deamidated
1419.8638	1418.8565	1418.7001	110	117	-	129	1	---	R.RIGSGLEQNNTTK.G + 2 Deamidated
1434.8639	1433.8566	1433.5551	210	767	-	777	1	---	K.HDCKEAECEQK.I + Deamidated (NQ)
1434.8639	1433.8566	1433.5551	210	767	-	777	1	---	K.HDCKEAECEQK.I + Deamidated (NQ)
1463.8888	1462.8815	1462.6510	158	1002	-	1013	1	---	K.SIRYPETMHAEN.- + Oxidation (M)
1463.8888	1462.8815	1462.6510	158	1002	-	1013	1	---	K.SIRYPETMHAEN.- + Oxidation (M)
2050.1382	2049.1309	2049.0353	46.7	643	-	659	1	---	K.NCVWQVIAPSQYRISVK.F + 2 Deamida
2705.3350	2704.3277	2704.1356	71.0	197	-	218	0	---	R.SDEESYIVFTYRPGCCSYVGR.R
2717.2629	2716.2556	2716.1897	24.3	279	-	301	1	---	K.MEPGEVNSLGERYDFDSIMHYAR.N + Dea

**No match to:** 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 928.5591, 928.5591, 1051.6309, 1051.6309, 1179.6890, 1179.6890, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2384.1306, 2399.1768

16. [gi|149041539](#) Mass: 58151 Score: 32 Expect: 40 Queries matched: 7

rCG58022, isoform CRA\_d [Rattus norvegicus]

Observed	Mr (expt)	Mr (calc)	ppm	Start	End	Miss	Ions	Peptide	
842.5737	841.5664	841.5637	3.28	205	-	211	1	---	R.KELLVLK.L
842.5737	841.5665	841.5637	3.32	205	-	211	1	---	R.KELLVLK.L
1179.6890	1178.6817	1178.5931	75.1	85	-	93	1	24	R.YQEVLDKQR.Q + Deamidated (NQ)
1179.6890	1178.6817	1178.5931	75.2	85	-	93	1	---	R.YQEVLDKQR.Q + Deamidated (NQ)
1413.8215	1412.8142	1412.8126	1.16	206	-	217	1	---	K.ELLVLKLEEAKE.E
1463.8888	1462.8815	1462.7126	115	166	-	176	1	---	R.EVWEMELDRK.N + Oxidation (M)
1463.8888	1462.8815	1462.7126	115	166	-	176	1	---	R.EVWEMELDRK.N + Oxidation (M)

**No match to:** 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347,



897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629

17. [gi|149058956](#) Mass: 11702 Score: 32 Expect: 43 Queries matched: 7

rCG44583 [Rattus norvegicus]

Observed	Mr (expt)	Mr (calc)	ppm	Start	End	Miss	Ions	Peptide	
897.6122	896.6049	896.4942	123	1	-	7	0	---	-.MALFFLR.G
897.6122	896.6049	896.4942	123	1	-	7	0	---	-.MALFFLR.G
1179.6890	1178.6817	1178.5567	106	20	-	28	0	---	R.QELNYLENR.K + Deamidated (NQ)
1179.6890	1178.6817	1178.5567	106	20	-	28	0	---	R.QELNYLENR.K + Deamidated (NQ)
1308.7545	1307.7472	1307.6357	85.3	20	-	29	1	---	R.QELNYLENRK.T + 2 Deamidated (NQ)
1308.7545	1307.7472	1307.6357	85.3	20	-	29	1	15	R.QELNYLENRK.T + 2 Deamidated (NQ)
1994.1136	1993.1063	1993.0713	17.6	42	-	56	1	---	K.WDFLKWLLNLFIEEK.I

No match to: 842.5737, 842.5737, 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 928.5591, 928.5591, 1051.6309, 1051.6309, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1297.7300, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1463.8888, 1463.8888, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629

18. [gi|32492560](#) Mass: 106118 Score: 31 Expect: 58 Queries matched: 16

Aa1017 [Rattus norvegicus]

Observed	Mr (expt)	Mr (calc)	ppm	Start	End	Miss	Ions	Peptide	
842.5737	841.5664	841.4844	97.5	427	-	433	0	---	R.ACLLLPR.G
842.5737	841.5665	841.4844	97.5	427	-	433	0	14	R.ACLLLPR.G
856.5821	855.5748	855.4814	109	360	-	366	1	2	R.RNLPQVK.E + 2 Deamidated (NQ)
856.5821	855.5748	855.4814	109	360	-	366	1	---	R.RNLPQVK.E + 2 Deamidated (NQ)
870.6026	869.5953	869.5446	58.3	570	-	576	1	---	K.IILARER.K
870.6026	869.5953	869.5446	58.3	570	-	576	1	---	K.IILARER.K
1297.7300	1296.7227	1296.5510	132	560	-	569	0	---	K.FDNQEDLWTK.I + 2 Deamidated (NQ)
1419.8638	1418.8565	1418.7266	91.6	361	-	372	1	---	R.NLPQVKEDSPHR.E
1419.8638	1418.8565	1418.7266	91.6	361	-	372	1	---	R.NLPQVKEDSPHR.E
1434.8639	1433.8566	1433.7527	72.4	129	-	139	1	---	K.IHQNIKQYPR.M + Deamidated (NQ)
1434.8639	1433.8566	1433.7527	72.5	129	-	139	1	---	K.IHQNIKQYPR.M + Deamidated (NQ)
1463.8888	1462.8815	1462.7528	88.0	318	-	331	0	---	R.VEVIPAGSSPHTNR.R
1463.8888	1462.8815	1462.7528	88.0	318	-	331	0	---	R.VEVIPAGSSPHTNR.R
1551.8925	1550.8852	1550.6871	128	282	-	293	0	---	K.HGCCLVTHPEWR.T
1551.8925	1550.8852	1550.6871	128	282	-	293	0	---	K.HGCCLVTHPEWR.T
2050.1382	2049.1309	2048.9916	68.0	196	-	215	1	---	R.GTGNIQLPGFSGGTWGSERK.K + Deamida

No match to: 868.5806, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1179.6890, 1179.6890, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 1994.1136, 2384.1306, 2399.1768, 2705.3350, 2717.2629

19. [gi|157821627](#) Mass: 65548 Score: 30 Expect: 72 Queries matched: 8

SLAIN motif-containing protein 2 [Rattus norvegicus]

Observed	Mr (expt)	Mr (calc)	ppm	Start	End	Miss	Ions	Peptide
----------	-----------	-----------	-----	-------	-----	------	------	---------



868.5806	867.5733	867.5290	51.1	580	-	586	1	---	K.LVQPVRR.S + Deamidated (NQ)
1179.6890	1178.6817	1178.5965	72.3	174	-	183	1	23	K.LDQTMSALKR.Q + Deamidated (NQ);
1179.6890	1178.6817	1178.5965	72.3	174	-	183	1	---	K.LDQTMSALKR.Q + Deamidated (NQ);
1463.8888	1462.8815	1462.7086	118	448	-	460	1	---	R.MQPQASATSQRLK.S + 2 Deamidated (
1463.8888	1462.8815	1462.7086	118	448	-	460	1	---	R.MQPQASATSQRLK.S + 2 Deamidated (
1707.9005	1706.8932	1706.8410	30.6	371	-	385	1	---	R.GIEYSRASPQPMISR.L + Oxidation (M
1707.9005	1706.8932	1706.8410	30.6	371	-	385	1	---	R.GIEYSRASPQPMISR.L + Oxidation (M
2705.3350	2704.3277	2704.2989	10.7	145	-	167	1	---	K.SVSPLVWCRQVLDYSPDVECAK.K

**No match to:** 842.5737, 842.5737, 856.5821, 856.5821, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1323.7662, 1323.7662, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1791.8708, 1791.8709, 1994.1136, 2050.1382, 2384.1306, 2399.1768, 2717.2629

20. [gi|149041536](#) Mass: 34338 Score: 30 Expect: 75 Queries matched: 5

rCG58022, isoform CRA\_a [Rattus norvegicus]

Observed	Mr(expt)	Mr(calc)	ppm	Start	End	Miss	Ions	Peptide	
1179.6890	1178.6817	1178.5931	75.1	240	-	248	1	24	R.YQEVLDKQR.Q + Deamidated (NQ)
1179.6890	1178.6817	1178.5931	75.2	240	-	248	1	---	R.YQEVLDKQR.Q + Deamidated (NQ)
1323.7662	1322.7589	1322.5772	137	143	-	153	1	---	K.QLASRNCSEEEK.C + 2 Deamidated (NQ)
1323.7662	1322.7590	1322.5772	137	143	-	153	1	---	K.QLASRNCSEEEK.C + 2 Deamidated (NQ)
1994.1136	1993.1063	1992.8946	106	46	-	63	0	---	K.NLSPPSVSSQMITEESNR.N + 2 Deamida

**No match to:** 842.5737, 842.5737, 856.5821, 856.5821, 868.5806, 870.6026, 870.6026, 877.1173, 877.1173, 896.5347, 897.6122, 897.6122, 928.5591, 928.5591, 1051.6309, 1051.6309, 1259.7749, 1259.7749, 1285.7260, 1285.7260, 1297.7300, 1308.7545, 1308.7545, 1320.7034, 1331.8176, 1331.8176, 1374.7856, 1375.8502, 1375.8502, 1413.8215, 1419.8638, 1419.8638, 1434.8639, 1434.8639, 1463.8888, 1463.8888, 1493.8533, 1493.8533, 1505.8356, 1505.8356, 1551.8925, 1551.8925, 1638.9702, 1638.9702, 1707.9005, 1707.9005, 1791.8708, 1791.8709, 2050.1382, 2384.1306, 2399.1768, 2705.3350, 2717.2629

## Search Parameters

Type of search : Sequence Query  
 Enzyme : Trypsin  
 Fixed modifications : Carbamidomethyl (C)  
 Variable modifications : Deamidated (NQ), Oxidation (M)  
 Mass values : Monoisotopic  
 Protein Mass : Unrestricted  
 Peptide Mass Tolerance :  $\pm 250$  ppm  
 Fragment Mass Tolerance:  $\pm 0.4$  Da  
 Max Missed Cleavages : 1  
 Instrument type : MALDI-TOF-TOF  
 Query1 (842.5737,1+) : <no title>  
 Query2 (842.5737,1+) : Locus:1.G4.2.1.25  
 Query3 (856.5821,1+) : Locus:1.G4.2.1.18  
 Query4 (856.5821,1+) : <no title>  
 Query5 (868.5806,1+) : <no title>  
 Query6 (870.6026,1+) : Locus:1.G4.2.1.23  
 Query7 (870.6026,1+) : <no title>  
 Query8 (877.1173,1+) : <no title>  
 Query9 (877.1173,1+) : Locus:1.G4.2.1.12  
 Query10 (896.5347,1+) : <no title>  
 Query11 (897.6122,1+) : Locus:1.G4.2.1.22  
 Query12 (897.6122,1+) : <no title>

Query13 (928.5591,1+) : Locus:1.G4.2.1.20  
Query14 (928.5591,1+) : <no title>  
Query15 (1051.6309,1+) : Locus:1.G4.2.1.17  
Query16 (1051.6309,1+) : <no title>  
Query17 (1179.6890,1+) : Locus:1.G4.2.1.19  
Query18 (1179.6890,1+) : <no title>  
Query19 (1259.7749,1+) : Locus:1.G4.2.1.14  
Query20 (1259.7749,1+) : <no title>  
Query21 (1285.7260,1+) : Locus:1.G4.2.1.24  
Query22 (1285.7260,1+) : <no title>  
Query23 (1297.7300,1+) : <no title>  
Query24 (1308.7545,1+) : <no title>  
Query25 (1308.7545,1+) : Locus:1.G4.2.1.15  
Query26 (1320.7034,1+) : <no title>  
Query27 (1323.7662,1+) : <no title>  
Query28 (1323.7662,1+) : Locus:1.G4.2.1.13  
Query29 (1331.8176,1+) : <no title>  
Query30 (1331.8176,1+) : Locus:1.G4.2.1.9  
Query31 (1374.7856,1+) : <no title>  
Query32 (1375.8502,1+) : <no title>  
Query33 (1375.8502,1+) : Locus:1.G4.2.1.21  
Query34 (1413.8215,1+) : <no title>  
Query35 (1419.8638,1+) : Locus:1.G4.2.1.6  
Query36 (1419.8638,1+) : <no title>  
Query37 (1434.8639,1+) : Locus:1.G4.2.1.7  
Query38 (1434.8639,1+) : <no title>  
Query39 (1463.8888,1+) : Locus:1.G4.2.1.4  
Query40 (1463.8888,1+) : <no title>  
Query41 (1493.8533,1+) : Locus:1.G4.2.1.10  
Query42 (1493.8533,1+) : <no title>  
Query43 (1505.8356,1+) : Locus:1.G4.2.1.8  
Query44 (1505.8356,1+) : <no title>  
Query45 (1551.8925,1+) : Locus:1.G4.2.1.16  
Query46 (1551.8925,1+) : <no title>  
Query47 (1638.9702,1+) : <no title>  
Query48 (1638.9702,1+) : Locus:1.G4.2.1.11  
Query49 (1707.9005,1+) : <no title>  
Query50 (1707.9005,1+) : Locus:1.G4.2.1.5  
Query51 (1791.8708,1+) : <no title>  
Query52 (1791.8709,1+) : Locus:1.G4.2.1.2  
Query53 (1994.1136,1+) : <no title>  
Query54 (2050.1382,1+) : <no title>  
Query55 (2384.1306,1+) : <no title>  
Query56 (2399.1768,1+) : <no title>  
Query57 (2705.3350,1+) : <no title>  
Query58 (2717.2629,1+) : <no title>

Mascot: <http://www.matrixscience.com/>