

Score for Each Ion Matched in ETD Spectra When Using Protein Prospector
versions 5.3 and 5.4

Protein Prospector v5.3

b	0.3
c	2.1
c-1	0.3
y	1.2
z	3.2
z+1	1.9

Protein Prospector v5.4

PRECURSOR CHARGE: 2+

Basic residue at N-terminus and C-terminus

b	0.0
c	3.0
c-1	1.3
y	0.6
z	2.6
z+1	1.7

Basic residue at N-terminus

b	0.7
c	4.7
c-1	1.6
y	0.5
z	1.6
z+1	0.7

Basic residue at C-terminus

b	0.0
c	1.1
c-1	0.9
y	1.2
z	3.1

z+1 3.1

No basic residue at either terminus

b 0.0

c 4.0

c-1 2.3

y 0.6

z 2.6

z+1 1.7

PRECURSOR CHARGE: 3+

Basic residue at N-terminus and C-terminus

c 2.9
c 2+ 0.66
y 0.5
z 2.0
z+1 1.7
z 2+ 0.0
z+1 2+ 0.0

Basic residue at N-terminus

c 3.5
c 2+ 1.28
y 0.5
z 2.3
z+1 1.3
z 2+ 0.0
z+1 2+ 0.0

Basic residue at C-terminus

c 2.9
c 2+ 0.0
y 0.9
z 2.7
z+1 1.9
z 2+ 0.86
z+1 2+ 0.57

No basic Residue at either terminus

c 2.9
c 2+ 0.89
y 0.5
z 2.0
z+1 1.7
z 2+ 0.79
z+1 2+ 0.52

PRECURSOR CHARGE: 4+

Basic residue at N-terminus and C-terminus

c 2.9
c 2+ 2.02
y 0.5
z 2.0
z+1 1.7
z 2+ 1.16
z+1 2+ 0.93

Basic residue at N-terminus

c 3.5
c 2+ 1.62
y 0.5
z 2.3
z+1 1.3
z 2+ 1.25
z+1 2+ 1.02

Basic residue at C-terminus

c 2.9
c 2+ 1.65
y 0.9
z 2.7
z+1 1.9
z 2+ 1.12
z+1 2+ 1.25

No basic residue at either terminus

c 2.9
c 2+ 1.6
y 0.5
z 2.0
z+1 1.7
z 2+ 0.9
z+1 2+ 1.0

PRECURSOR CHARGE: 5+

Basic residue at N-terminus and C-terminus

c 2.9
c 2+ 1.99
y 0.5
z 2.0
z+1 1.7
z 2+ 0.58
z+1 2+ 1.54

Basic residue at N-terminus

c 3.5
c 2+ 1.49
y 0.5
z 2.3
z+1 1.3
z 2+ 0.79
z+1 2+ 1.65

Basic residue at C-terminus

c 2.9
c 2+ 1.68
y 0.9
z 2.7
z+1 1.9
z 2+ 0.57
z+1 2+ 1.6

No basic residue at either terminus

c 2.9
c 2+ 1.99
y 0.5
z 2.0
z+1 1.7
z 2+ 0.58
z+1 2+ 1.54