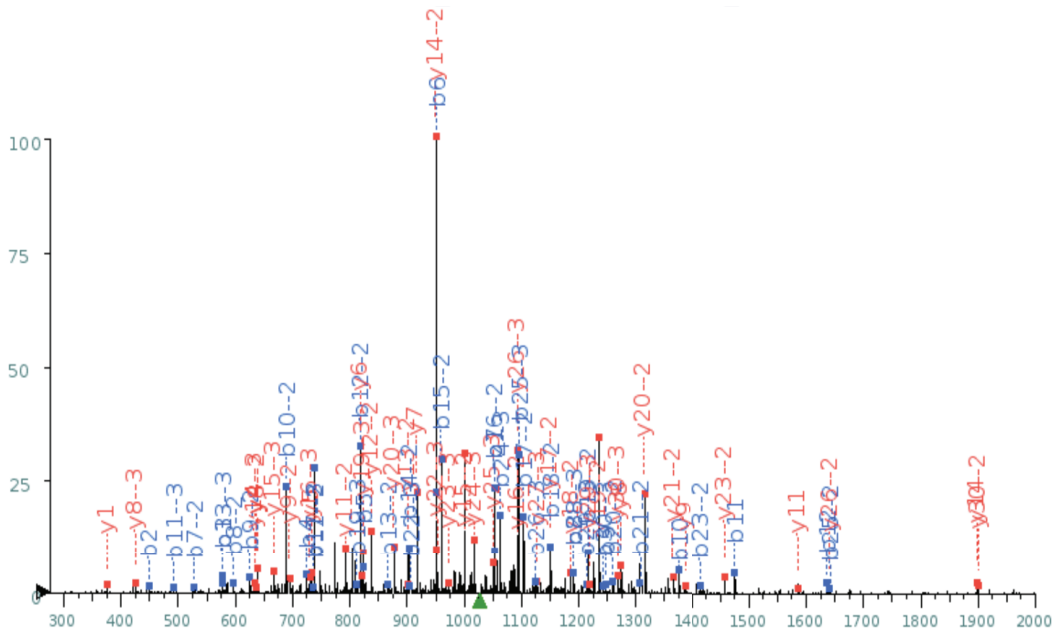
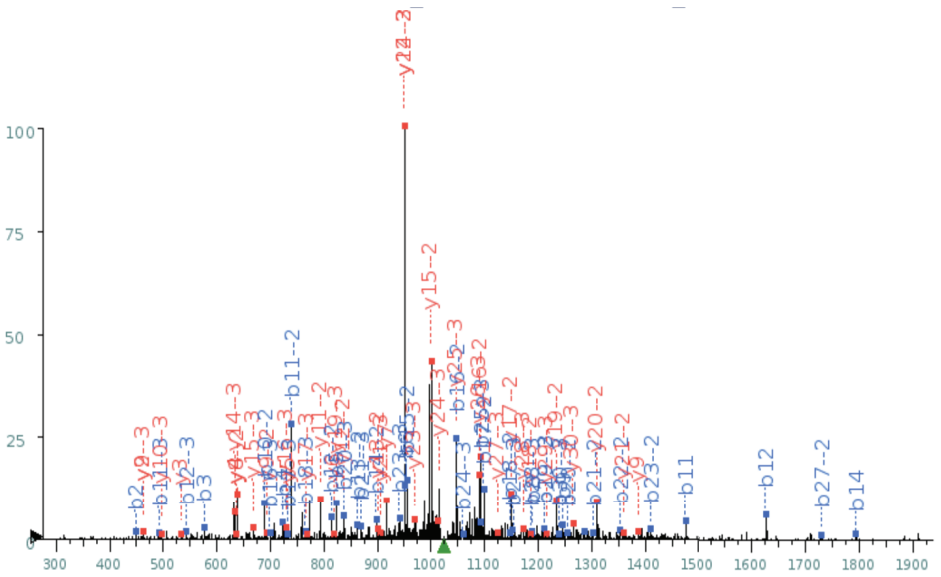
Prx3 Cys229 - unmodified: FQFVETHGEVCPANWTPESPTIKPSPTASK
Precursor mass: 1026.03777 Da (+4)



		+1					+2					+3				
Seq	#	b: Δ Error	b	y	y: Δ Error	+1	b: Δ Error	b	y	y: Δ Error	+1	b: Δ Error	b	y	y: Δ Error	+1
A	1	---	301.207	---	---	31	---	151.107	---	---	31	---	101.074	---	---	31
F	2	-199.665	448.276	3800.936	---	30	---	224.642	1900.972	-293.413	30	---	150.097	1267.650	579.580	30
Q	3	448.149	576.334	3653.867	---	29	---	288.671	1827.437	---	29	---	192.783	1218.627	492.496	29
F	4	440.206	723.403	3525.809	---	28	---	362.205	1763.408	---	28	---	241.806	1175.941	---	28
V	5	442.154	822.471	3378.740	---	27	---	411.739	1689.874	---	27	---	274.829	1126.918	-606.419	27
E	6	-621.763	951.514	3279.672	---	26	---	476.261	1640.340	551.331	26	---	317.843	1093.896	-168.653	26
T	7	461.123	1052.561	3150.629	---	25	1727.469	526.784	1575.818	---	25	---	351.525	1050.881	554.963	25
H	8	378.632	1189.620	3049.582	---	24	1442.784	595.314	1525.295	---	24	---	397.212	1017.199	770.178	24
G	9	132.807	1246.642	2912.523	---	23	97.426	623.825	1456.765	554.230	23	---	416.219	971.512	883.161	23
E	10	266.181	1375.684	2855.501	---	22	478.403	688.346	1428.254	---	22	---	459.233	952.505	-777.932	22
V	11	298.566	1474.753	2726.459	---	21	594.174	737.880	1363.733	417.946	21	229.672	492.256	909.491	---	21
C	12	294.043	1634.783	2627.390	---	20	455.333	817.895	1314.199	583.014	20	---	545.599	876.468	711.287	20
P	13	---	1731.836	2467.360	---	19	-493.910	866.422	1234.183	544.179	19	-769.082	577.950	823.125	907.084	19
A	14	---	1802.873	2370.307	---	18	972.578	901.940	1185.657	793.571	18	---	601.629	790.774	---	18
N	15	---	1916.916	2299.270	---	17	538.704	958.962	1150.139	594.855	17	---	639.644	767.095	---	17
W	16	---	2102.996	2185.227	---	16	197.267	1052.001	1093.117	543.083	16	---	701.670	729.080	1001.937	16
T	17	---	2204.043	1999.148	---	15	525.316	1102.525	1000.077	561.496	15	434.161	735.353	667.054	586.310	15
P	18	---	2301.096	1898.100	188.309	14	-198.571	1151.052	949.554	550.558	14	---	767.704	633.371	852.936	14
E	19	---	2430.139	1801.047	---	13	562.299	1215.573	901.027	65.720	13	-364.745	810.718	601.021	---	13
S	20	---	2517.171	1672.005	---	12	730.219	1259.089	836.506	604.304	12	---	839.728	558.006	---	12
P	21	---	2614.223	1584.973	356.321	11	-252.006	1307.615	792.990	594.578	11	---	872.079	528.996	---	11
T	22	---	2715.271	1487.920	---	10	---	1358.139	744.464	---	10	-1005.493	905.762	496.645	---	10
I	23	---	2828.355	1386.872	-105.899	9	388.455	1414.681	693.940	758.066	9	---	943.457	462.962	---	9
K	24	---	3185.613	1273.788	358.729	8	---	1593.310	637.398	770.538	8	557.758	1062.543	425.268	1.643	8
P	25	---	3282.666	916.530	278.459	7	-360.718	1641.837	458.769	---	7	-417.832	1094.893	306.182	---	7
S	26	---	3369.698	819.477	482.335	6	---	1685.353	410.242	---	6	662.578	1123.904	273.831	---	6
P	27	---	3466.751	732.445	269.824	5	---	1733.879	366.726	---	5	---	1156.255	244.820	---	5
T	28	---	3567.798	635.393	173.101	4	---	1784.403	318.200	---	4	112.026	1189.938	212.469	---	4
A	29	---	3638.835	534.345	---	3	---	1819.921	267.676	---	3	42.592	1213.617	178.786	---	3
S	30	---	3725.867	463.308	---	2	---	1863.437	232.158	---	2	-439.207	1242.627	155.107	---	2
K	31	---	---	376.276	594.114	1	---	---	188.642	---	1	---	---	126.097	---	1

Prx3 Cys229 - SO_3: FQFVETHGEVCPANWTPESPTIKPSPTASK
Precursor mass: 1023.7817 Da (+4)



+1

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
A	1	---	301.207	---	---	31
F	2	-13.092	448.276	3791.899	---	30
Q	3	302.642	576.334	3644.831	---	29
F	4	8.835	723.403	3516.772	---	28
V	5	705.370	822.471	3369.704	---	27
E	6	-598.964	951.514	3270.635	---	26
T	7	---	1052.561	3141.593	---	25
H	8	-384.094	1189.620	3040.545	---	24
G	9	-52.637	1246.642	2903.486	---	23
E	10	---	1375.684	2846.465	---	22
V	11	278.960	1474.753	2717.422	---	21
C#	12	331.231	1625.747	2618.354	---	20
P	13	---	1722.799	2467.360	---	19
A	14	371.044	1793.837	2370.307	---	18
N	15	---	1907.880	2299.270	---	17
W	16	---	2093.959	2185.227	---	16
T	17	---	2195.007	1999.148	---	15
P	18	---	2292.059	1898.100	---	14
E	19	---	2421.102	1801.047	---	13
S	20	---	2508.134	1672.005	---	12
P	21	---	2605.187	1584.973	---	11
T	22	---	2706.234	1487.920	---	10
I	23	---	2819.318	1386.872	-572.273	9
K	24	---	3176.576	1273.788	---	8
P	25	---	3273.629	916.530	286.845	7
S	26	---	3360.661	819.477	499.300	6
P	27	---	3457.714	732.445	337.447	5
T	28	---	3558.762	635.393	374.907	4
A	29	---	3629.799	534.345	233.249	3
S	30	---	3716.831	463.308	193.167	2
K	31	---	---	376.276	---	1

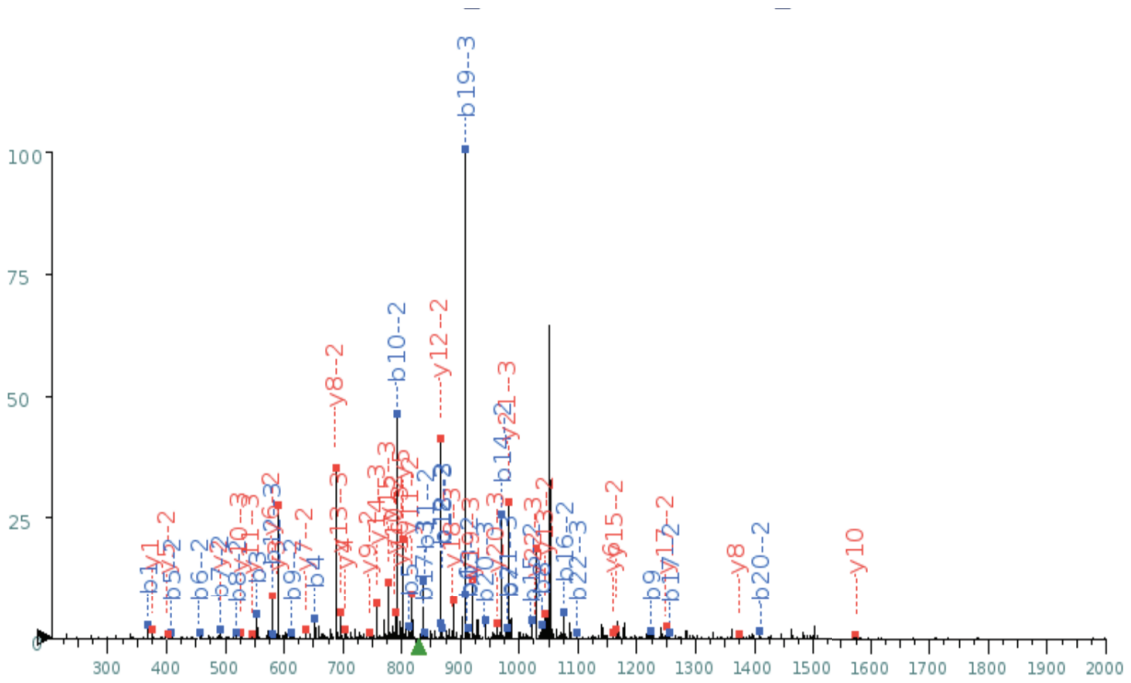
+2

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
A	1	---	151.107	---	---	31
F	2	---	224.642	1896.453	---	30
Q	3	---	288.671	1822.919	---	29
F	4	---	362.205	1758.890	---	28
V	5	---	411.739	1685.355	---	27
E	6	---	476.261	1635.821	---	26
T	7	---	526.784	1571.300	---	25
H	8	---	595.314	1520.776	---	24
G	9	---	623.825	1452.247	---	23
E	10	509.052	688.346	1423.736	---	22
V	11	477.255	737.880	1359.215	433.190	21
C#	12	506.051	813.377	1309.680	536.556	20
P	13	521.841	861.903	1234.183	326.969	19
A	14	957.839	897.422	1185.657	193.828	18
N	15	417.428	954.443	1150.139	457.978	17
W	16	613.165	1047.483	1093.117	511.067	16
T	17	497.757	1098.007	1000.077	468.155	15
P	18	304.342	1146.533	949.554	493.731	14
E	19	451.256	1211.055	901.027	334.674	13
S	20	56.890	1254.571	836.506	156.789	12
P	21	341.393	1303.097	792.990	482.017	11
T	22	-419.668	1353.621	744.464	---	10
I	23	531.569	1410.163	693.940	472.741	9
K	24	---	1588.792	637.398	525.719	8
P	25	---	1637.318	458.769	---	7
S	26	---	1680.834	410.242	---	6
P	27	-58.293	1729.361	366.726	---	5
T	28	---	1779.884	318.200	---	4
A	29	---	1815.403	267.676	---	3
S	30	---	1858.919	232.158	---	2
K	31	---	---	188.642	---	1

+3

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
A	1	---	101.074	---	---	31
F	2	---	150.097	1264.638	747.946	30
Q	3	---	192.783	1215.615	256.029	29
F	4	---	241.806	1172.929	136.792	28
V	5	---	274.829	1123.906	53.367	27
E	6	---	317.843	1090.883	-836.910	26
T	7	---	351.525	1047.869	244.869	25
H	8	---	397.212	1014.187	-292.684	24
G	9	---	416.219	968.500	422.276	23
E	10	---	459.233	949.493	557.442	22
V	11	-614.533	492.256	906.479	146.177	21
C#	12	-95.728	542.587	873.456	---	20
P	13	---	574.938	823.125	-88.758	19
A	14	---	598.617	790.774	---	18
N	15	---	636.631	767.095	901.707	17
W	16	1272.763	698.658	729.080	581.265	16
T	17	480.704	732.340	667.054	387.127	15
P	18	696.800	764.691	633.371	357.832	14
E	19	---	807.705	601.021	---	13
S	20	-94.506	836.716	558.006	---	12
P	21	924.789	869.067	528.996	---	11
T	22	---	902.750	496.645	-709.592	10
I	23	903.649	940.444	462.962	938.870	9
K	24	438.752	1059.530	425.268	---	8
P	25	169.027	1091.881	306.182	---	7
S	26	---	1120.892	273.831	---	6
P	27	-761.327	1153.243	244.820	---	5
T	28	833.838	1186.925	212.469	---	4
A	29	822.809	1210.604	178.786	---	3
S	30	-750.812	1239.615	155.107	---	2
K	31	---	---	126.097	---	1

Prx1 Cys173 - unmodified: HGEVCPAGWKPGSDTIKPDVNK
Precursor mass: 827.96049 Da (+4)



+1

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
H	1	279.661	367.229	---	---	22
G	2	---	424.251	2942.601	---	21
E	3	341.035	553.293	2885.580	---	20
V	4	316.293	652.362	2756.537	---	19
C	5	-133.332	812.392	2657.469	---	18
P	6	-647.849	909.445	2497.438	---	17
A	7	-127.442	980.482	2400.385	---	16
G	8	291.079	1037.504	2329.348	---	15
W	9	505.445	1223.583	2272.327	---	14
K	10	---	1580.841	2086.248	---	13
P	11	---	1677.894	1728.990	---	12
G	12	---	1734.915	1631.937	---	11
S	13	---	1821.947	1574.915	-146.816	10
D	14	---	1936.974	1487.883	---	9
T	15	---	2038.022	1372.856	443.161	8
I	16	---	2151.106	1271.809	---	7
K	17	---	2508.364	1158.725	419.263	6
P	18	---	2605.416	801.467	202.392	5
D	19	---	2720.443	704.414	105.757	4
V	20	---	2819.512	589.387	231.822	3
N	21	---	2933.555	490.319	201.184	2
K	22	---	---	376.276	-45.691	1

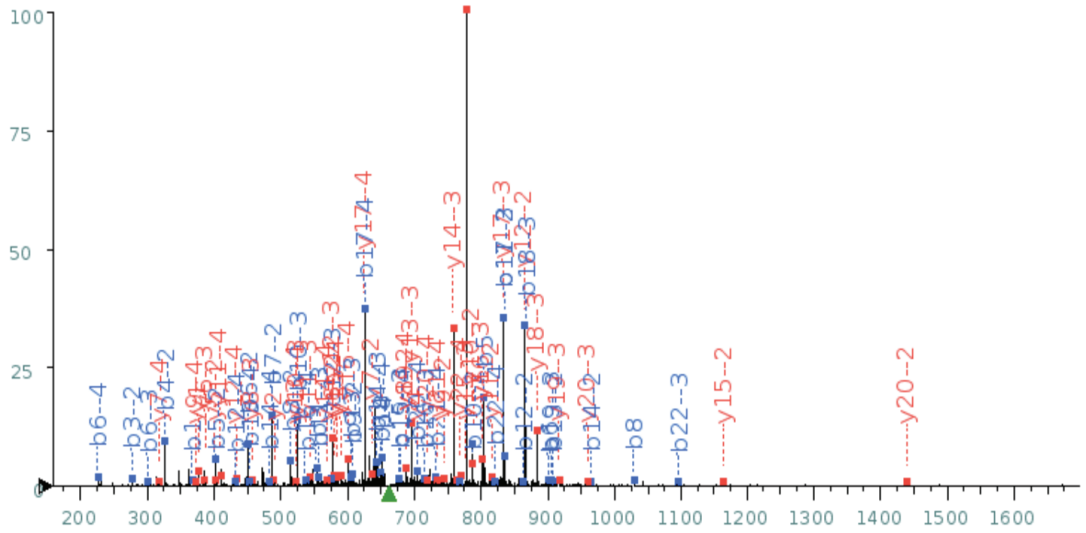
+2

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
H	1	---	184.118	---	---	22
G	2	---	212.629	1471.804	---	21
E	3	---	277.150	1443.294	---	20
V	4	---	326.684	1378.772	---	19
C	5	223.587	406.700	1329.238	---	18
P	6	931.357	455.226	1249.223	590.590	17
A	7	-667.530	490.745	1200.696	---	16
G	8	-1405.789	519.255	1165.178	-300.286	15
W	9	49.772	612.295	1136.667	---	14
K	10	571.087	790.924	1043.627	663.743	13
P	11	-168.827	839.450	864.998	552.287	12
G	12	-942.715	867.961	816.472	1215.055	11
S	13	478.034	911.477	787.961	1018.600	10
D	14	570.192	968.991	744.445	1126.210	9
T	15	862.590	1019.514	686.932	554.535	8
I	16	647.351	1076.057	636.408	464.080	7
K	17	344.370	1254.685	579.866	518.841	6
P	18	---	1303.212	401.237	1428.696	5
D	19	---	1360.725	352.711	---	4
V	20	-558.262	1410.260	295.197	---	3
N	21	---	1467.281	245.663	---	2
K	22	---	---	188.642	---	1

+3

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
H	1	---	123.081	---	---	22
G	2	---	142.088	981.539	781.488	21
E	3	---	185.103	962.531	678.581	20
V	4	---	218.125	919.517	735.530	19
C	5	---	271.469	886.494	978.970	18
P	6	---	303.820	833.151	---	17
A	7	---	327.499	800.800	1034.197	16
G	8	---	346.506	777.121	474.030	15
W	9	---	408.532	758.114	708.109	14
K	10	---	527.618	696.087	658.134	13
P	11	---	559.969	577.001	---	12
G	12	622.602	578.977	544.650	1671.278	11
S	13	---	607.987	525.643	-694.162	10
D	14	---	646.330	496.633	---	9
T	15	---	680.012	458.290	---	8
I	16	---	717.707	424.608	---	7
K	17	806.495	836.793	386.913	---	6
P	18	378.541	869.144	267.827	---	5
D	19	674.541	907.486	235.476	---	4
V	20	983.786	940.509	197.134	---	3
N	21	828.644	978.523	164.111	---	2
K	22	---	---	126.097	---	1

Prx1 Cys173 - SO_3: HGEVCPAGWKPGSDTIKPDVNK
Precursor mass: 660.76199 Da (+5)



+1

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
H	1	990.362	367.229	---	---	22
G	2	---	424.251	2933.565	---	21
E	3	411.141	553.293	2876.543	---	20
V	4	234.099	652.362	2747.501	---	19
C#	5	305.341	803.356	2648.432	---	18
P	6	593.365	900.408	2497.438	---	17
A	7	---	971.445	2400.385	---	16
G	8	359.919	1028.467	2329.348	---	15
W	9	---	1214.546	2272.327	---	14
K	10	---	1571.804	2086.248	---	13
P	11	---	1668.857	1728.990	---	12
G	12	---	1725.878	1631.937	---	11
S	13	---	1812.910	1574.915	---	10
D	14	---	1927.937	1487.883	---	9
T	15	---	2028.985	1372.856	---	8
I	16	---	2142.069	1271.809	---	7
K	17	---	2499.327	1158.725	---	6
P	18	---	2596.380	801.467	20.196	5
D	19	---	2711.407	704.414	-1091.493	4
V	20	---	2810.475	589.387	182.446	3
N	21	---	2924.518	490.319	-1333.967	2
K	22	---	---	376.276	650.250	1

+2

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
H	1	---	184.118	---	---	22
G	2	---	212.629	1467.286	---	21
E	3	1538.909	277.150	1438.775	50.788	20
V	4	685.436	326.684	1374.254	---	19
C#	5	658.810	402.181	1324.720	---	18
P	6	685.806	450.708	1249.223	---	17
A	7	719.726	486.226	1200.696	---	16
G	8	394.685	514.737	1165.178	-70.031	15
W	9	537.995	607.777	1136.667	---	14
K	10	646.986	786.406	1043.627	---	13
P	11	-407.254	834.932	864.998	644.682	12
G	12	-365.210	863.443	816.472	497.071	11
S	13	-50.541	906.959	787.961	-254.249	10
D	14	184.456	964.472	744.445	1191.158	9
T	15	---	1014.996	686.932	-119.735	8
I	16	---	1071.538	636.408	318.417	7
K	17	---	1250.167	579.866	678.956	6
P	18	---	1298.693	401.237	1037.048	5
D	19	---	1356.207	352.711	---	4
V	20	---	1405.741	295.197	---	3
N	21	---	1462.763	245.663	---	2
K	22	---	---	188.642	---	1

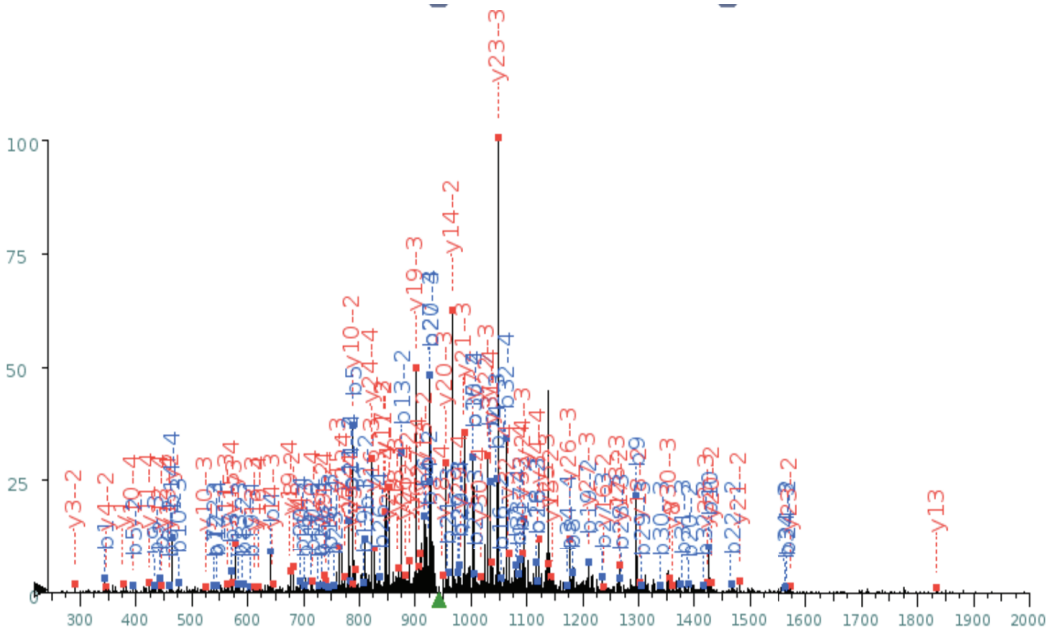
+3

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
H	1	---	123.081	---	---	22
G	2	---	142.088	978.526	---	21
E	3	---	185.103	959.519	76.779	20
V	4	---	218.125	916.505	688.837	19
C#	5	---	268.457	883.482	875.804	18
P	6	2354.745	300.808	833.151	797.331	17
A	7	---	324.487	800.800	852.152	16
G	8	---	343.494	777.121	842.212	15
W	9	---	405.520	758.114	880.446	14
K	10	738.465	524.606	696.087	634.315	13
P	11	150.376	556.957	577.001	736.025	12
G	12	343.988	575.964	544.650	-144.503	11
S	13	-215.820	604.975	525.643	-1237.002	10
D	14	263.950	643.317	496.633	---	9
T	15	1255.435	677.000	458.290	24.947	8
I	16	379.629	714.695	424.608	---	7
K	17	42.275	833.780	386.913	-1307.927	6
P	18	-664.254	866.131	267.827	---	5
D	19	581.321	904.474	235.476	---	4
V	20	---	937.497	197.134	---	3
N	21	---	975.511	164.111	---	2
K	22	---	---	126.097	---	1

+4

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
H	1	---	92.563	---	---	22
G	2	---	106.818	734.147	-813.404	21
E	3	---	139.079	719.891	290.981	20
V	4	---	163.846	687.631	-1137.041	19
C#	5	---	201.594	662.863	---	18
P	6	1472.047	225.858	625.115	866.457	17
A	7	---	243.617	600.852	1095.768	16
G	8	---	257.872	583.093	835.443	15
W	9	---	304.392	568.837	654.615	14
K	10	---	393.706	522.317	-33.098	13
P	11	---	417.970	433.003	1056.223	12
G	12	625.894	432.225	408.740	2385.029	11
S	13	-437.886	453.983	394.484	---	10
D	14	1215.841	482.740	372.726	-2342.508	9
T	15	---	508.002	343.970	---	8
I	16	461.862	536.273	318.708	-963.644	7
K	17	111.757	625.587	290.437	---	6
P	18	1015.622	649.850	201.122	---	5
D	19	-1115.703	678.607	176.859	---	4
V	20	386.249	703.374	148.102	---	3
N	21	963.616	731.885	123.335	---	2
K	22	---	---	94.824	---	1

Prx2 Cys172 - unmodified: LVQAFQYTDEHGEVCPAGWKPGSDTIKPNVDDSK
Precursor mass: 941.89284 Da (+5)



+1

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
L	1	593.723	343.254	---	---	34
V	2	390.093	442.323	4363.191	---	33
Q	3	397.095	570.381	4264.122	---	32
A	4	255.079	641.418	4136.064	---	31
F	5	-165.494	788.487	4065.027	---	30
Q	6	289.107	916.545	3917.958	---	29
Y	7	457.444	1079.609	3789.900	---	28
T	8	401.823	1180.656	3626.836	---	27
D	9	274.580	1295.683	3525.789	---	26
E	10	282.778	1424.726	3410.762	---	25
H	11	---	1561.785	3281.719	---	24
G	12	---	1618.806	3144.660	---	23
E	13	---	1747.849	3087.639	---	22
V	14	---	1846.917	2958.596	---	21
C	15	---	2006.948	2859.528	---	20
P	16	---	2104.001	2699.497	---	19
A	17	---	2175.038	2602.444	---	18
G	18	---	2232.059	2531.407	---	17
W	19	---	2418.139	2474.386	---	16
K	20	---	2775.396	2288.306	---	15
P	21	---	2872.449	1931.049	---	14
G	22	---	2929.471	1833.996	-6.112	13
S	23	---	3016.503	1776.974	---	12
D	24	---	3131.530	1689.942	---	11
T	25	---	3232.577	1574.915	---	10
I	26	---	3345.661	1473.868	---	9
K	27	---	3702.919	1360.784	298.930	8
P	28	---	3799.972	1003.526	328.325	7
N	29	---	3914.015	906.473	831.841	6
V	30	---	4013.083	792.430	220.299	5
D	31	---	4128.110	693.362	274.810	4
D	32	---	4243.137	578.335	365.669	3
S	33	---	4330.169	463.308	266.313	2
K	34	---	---	376.276	413.029	1

+2

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
L	1	---	172.131	---	---	34
V	2	---	221.665	2182.099	---	33
Q	3	---	285.694	2132.565	---	32
A	4	---	321.213	2068.536	---	31
F	5	1375.385	394.747	2033.017	---	30
Q	6	654.022	458.776	1959.483	---	29
Y	7	-1576.523	540.308	1895.453	---	28
T	8	1244.022	590.832	1813.922	---	27
D	9	---	648.345	1763.398	---	26
E	10	-565.945	712.867	1705.885	---	25
H	11	364.730	781.396	1641.363	---	24
G	12	52.319	809.907	1572.834	-470.955	23
E	13	497.662	874.428	1544.323	---	22
V	14	549.428	923.962	1479.802	645.747	21
C	15	-121.793	1003.978	1430.268	613.392	20
P	16	638.334	1052.504	1350.252	---	19
A	17	310.378	1088.023	1301.726	650.851	18
G	18	-290.314	1116.533	1266.207	685.561	17
W	19	566.195	1209.573	1237.697	307.617	16
K	20	575.827	1388.202	1144.657	-685.033	15
P	21	---	1436.728	966.028	500.484	14
G	22	245.967	1465.239	917.502	-753.839	13
S	23	---	1508.755	888.991	-675.049	12
D	24	-286.221	1566.268	845.475	-414.706	11
T	25	---	1616.792	787.961	501.028	10
I	26	---	1673.334	737.437	598.298	9
K	27	---	1851.963	680.895	470.451	8
P	28	---	1900.490	502.267	---	7
N	29	---	1957.511	453.740	---	6
V	30	---	2007.045	396.719	---	5
D	31	---	2064.559	347.184	438.034	4
D	32	---	2122.072	289.671	3282.294	3
S	33	---	2165.588	232.158	---	2
K	34	---	---	188.642	---	1

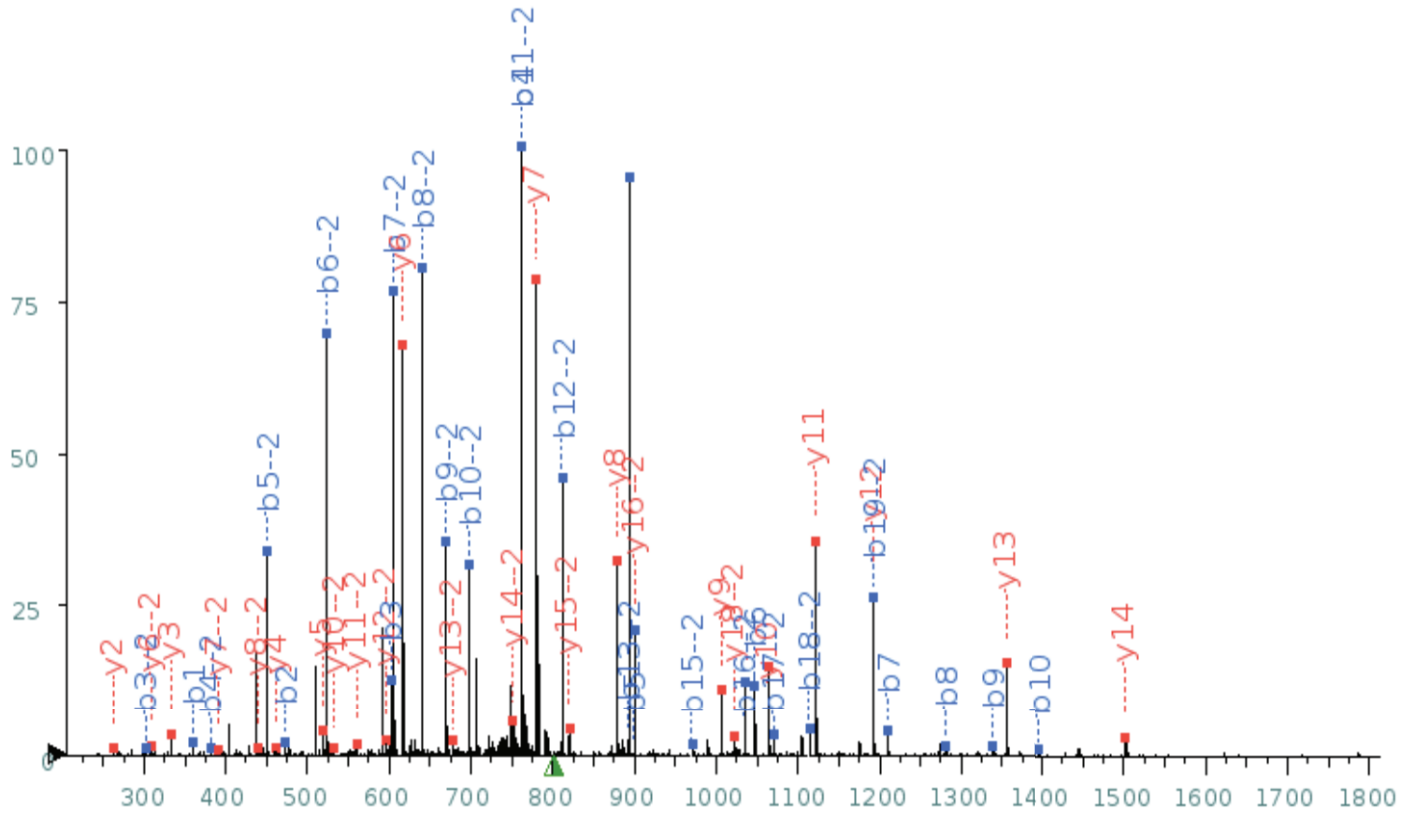
+3

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
L	1	---	115.090	---	---	34
V	2	---	148.112	1455.068	---	33
Q	3	---	190.799	1422.046	-55.625	32
A	4	---	214.478	1379.359	---	31
F	5	---	263.500	1355.680	-502.425	30
Q	6	---	306.187	1306.658	---	29
Y	7	---	360.541	1263.971	784.274	28
T	8	---	394.224	1209.617	529.803	27
D	9	1788.045	432.566	1175.934	664.259	26
E	10	-228.527	475.580	1137.592	440.347	25
H	11	---	521.266	1094.578	706.752	24
G	12	-1512.804	540.274	1048.892	696.397	23
E	13	449.384	583.288	1029.884	590.702	22
V	14	---	616.311	986.870	598.619	21
C	15	---	669.654	953.847	672.796	20
P	16	-665.419	702.005	900.504	642.344	19
A	17	1336.633	725.684	868.153	1031.753	18
G	18	1183.261	744.691	844.474	769.579	17
W	19	-341.115	806.718	825.467	408.072	16
K	20	606.519	925.804	763.440	865.032	15
P	21	658.104	958.155	644.354	266.840	14
G	22	-680.935	977.162	612.003	-61.507	13
S	23	-315.969	1006.172	592.996	---	12
D	24	679.148	1044.515	563.986	-781.377	11
T	25	---	1078.197	525.643	-103.130	10
I	26	284.206	1115.892	491.961	---	9
K	27	728.005	1234.978	454.266	---	8
P	28	-199.636	1267.329	335.180	---	7
N	29	-271.215	1305.343	302.029	---	6
V	30	-493.703	1338.366	264.815	---	5
D	31	-575.031	1376.708	231.792	---	4
D	32	-304.845	1415.051	193.450	---	3
S	33	---	1444.061	155.107	---	2
K	34	---	---	126.097	---	1

+4

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
L	1	---	86.569	---	---	34
V	2	---	111.336	1091.553	674.172	33
Q	3	---	143.351	1066.786	762.953	32
A	4	---	161.110	1034.771	848.014	31
F	5	---	197.877	1017.012	49.821	30
Q	6	---	229.892	980.245	-998.396	29
Y	7	---	270.658	948.230	400.743	28
T	8	---	295.920	907.465	560.474	27
D	9	---	324.676	882.203	518.759	26
E	10	---	356.937	853.446	889.969	25
H	11	---	391.202	821.185	806.516	24
G	12	---	405.457	786.921	-43.889	23
E	13	---	437.718	772.665	131.512	22
V	14	2042.164	462.485	740.405	764.208	21
C	15	---	502.492	715.637	-1356.826	20
P	16	---	526.756	675.630	1161.870	19
A	17	-1804.924	544.515	651.367	---	18
G	18	---	558.770	633.607	---	17
W	19	590.642	605.290	619.352	-611.625	16
K	20	-161.307	694.605	572.832	-528.530	15
P	21	---	718.868	483.518	---	14
G	22	60.732	733.123	459.254	-387.399	13
S	23	361.072	754.881	444.999	-1229.541	12
D	24	-137.647	783.638	423.241	534.842	11
T	25	---	808.900	394.484	2040.030	10
I	26	229.192	837.171	369.222	---	9
K	27	-129.268	926.485	340.951	---	8
P	28	---	950.748	251.637	---	7
N	29	8.294	979.259	227.374	---	6
V	30	-170.312	1004.026	198.863	---	5
D	31	734.783	1032.783	174.096	---	4
D	32	684.096	1061.540	145.339	---	3
S	33	486.161	1083.298	116.582	---	2
K	34	---	---	94.824	---	1

Prx4 Cys54 - unmodified: ENECHFYAGGQVYPGEASR
Precursor mass: 800.70152 Da (+3)



+1

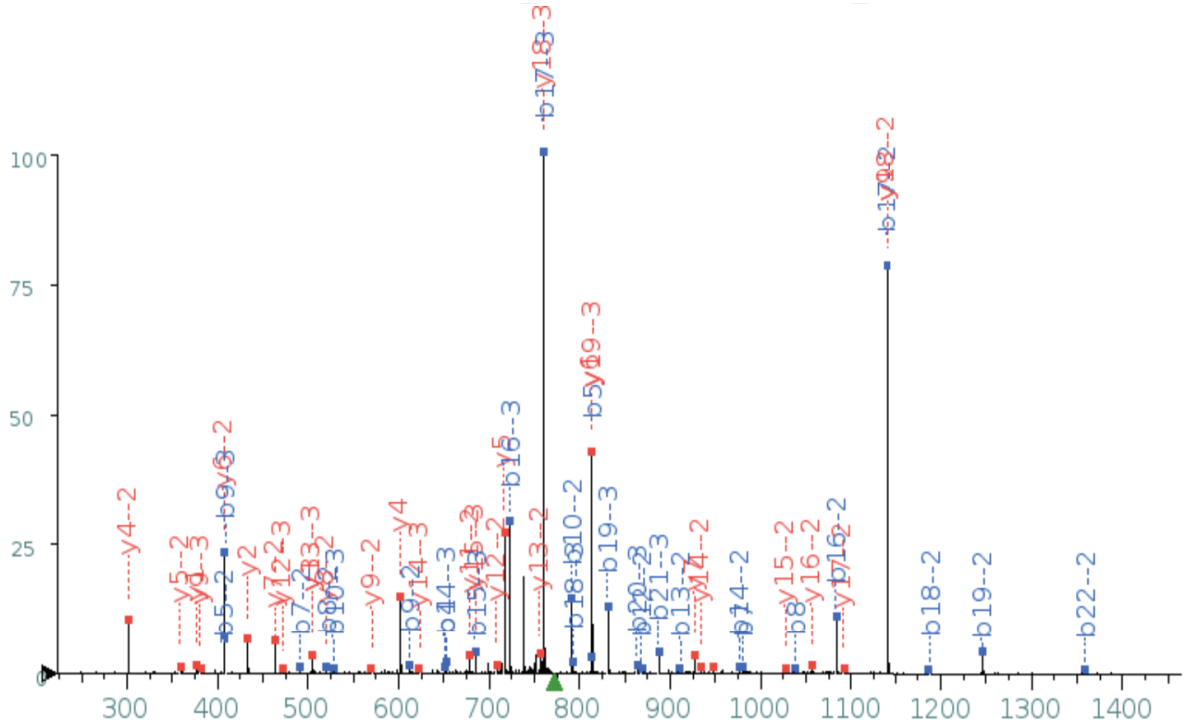
Seq	#	b: Δ Error	b	y	y: Δ Error	+1
E	1	364.411	359.213	---	---	19
N	2	302.101	473.256	2041.882	---	18
E	3	330.685	602.298	1927.839	---	17
C	4	394.253	762.329	1798.797	---	16
H	5	420.841	899.388	1638.766	---	15
F	6	299.007	1046.456	1501.707	256.974	14
Y	7	275.170	1209.520	1354.639	367.214	13
A	8	400.323	1280.557	1191.575	324.371	12
G	9	342.150	1337.578	1120.538	305.847	11
G	10	449.840	1394.600	1063.517	348.947	10
Q	11	---	1522.658	1006.495	356.569	9
V	12	---	1621.727	878.437	395.180	8
Y	13	---	1784.790	779.368	299.592	7
P	14	---	1881.843	616.305	351.375	6
G	15	---	1938.864	519.252	452.077	5
E	16	---	2067.907	462.231	108.847	4
A	17	---	2138.944	333.188	333.974	3
S	18	---	2225.976	262.151	795.354	2
R	19	---	---	175.119	---	1

+2

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
E	1	---	180.110	---	---	19
N	2	---	237.132	1021.445	197.342	18
E	3	1848.363	301.653	964.423	---	17
C	4	1918.269	381.668	899.902	-150.469	16
H	5	304.863	450.198	819.887	849.116	15
F	6	775.247	523.732	751.357	563.562	14
Y	7	654.192	605.263	677.823	790.333	13
A	8	717.925	640.782	596.291	-771.275	12
G	9	780.168	669.293	560.773	423.514	11
G	10	779.684	697.803	532.262	594.400	10
Q	11	1044.910	761.833	503.751	---	9
V	12	984.826	811.367	439.722	1160.620	8
Y	13	717.009	892.899	390.188	2058.179	7
P	14	---	941.425	308.656	885.809	6
G	15	967.369	969.936	260.130	---	5
E	16	697.970	1034.457	231.619	---	4
A	17	592.434	1069.976	167.098	---	3
S	18	692.450	1113.492	131.579	---	2
R	19	---	---	88.063	---	1

Prx4 Cys248 - unmodified: HGEVCPAGWKPGSETIIPDPAGK

Precursor mass: 773.42007 Da (+4)



+1

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
H	1	---	367.229	---	---	23
G	2	---	424.251	2724.443	---	22
E	3	---	553.293	2667.422	---	21
V	4	501.017	652.362	2538.379	---	20
C	5	413.763	812.392	2439.311	---	19
P	6	---	909.445	2279.280	---	18
A	7	-942.608	980.482	2182.227	---	17
G	8	287.317	1037.504	2111.190	---	16
W	9	---	1223.583	2054.169	---	15
K	10	---	1580.841	1868.089	---	14
P	11	---	1677.894	1510.831	---	13
G	12	---	1734.915	1413.779	---	12
S	13	---	1821.947	1356.757	---	11
E	14	---	1950.990	1269.725	---	10
T	15	---	2052.037	1140.683	-408.300	9
I	16	---	2165.121	1039.635	---	8
I	17	---	2278.205	926.551	295.283	7
P	18	---	2375.258	813.467	298.849	6
D	19	---	2490.285	716.414	620.066	5
P	20	---	2587.338	601.387	201.836	4
A	21	---	2658.375	504.334	438.219	3
G	22	---	2715.396	433.297	410.891	2
K	23	---	---	376.276	508.806	1

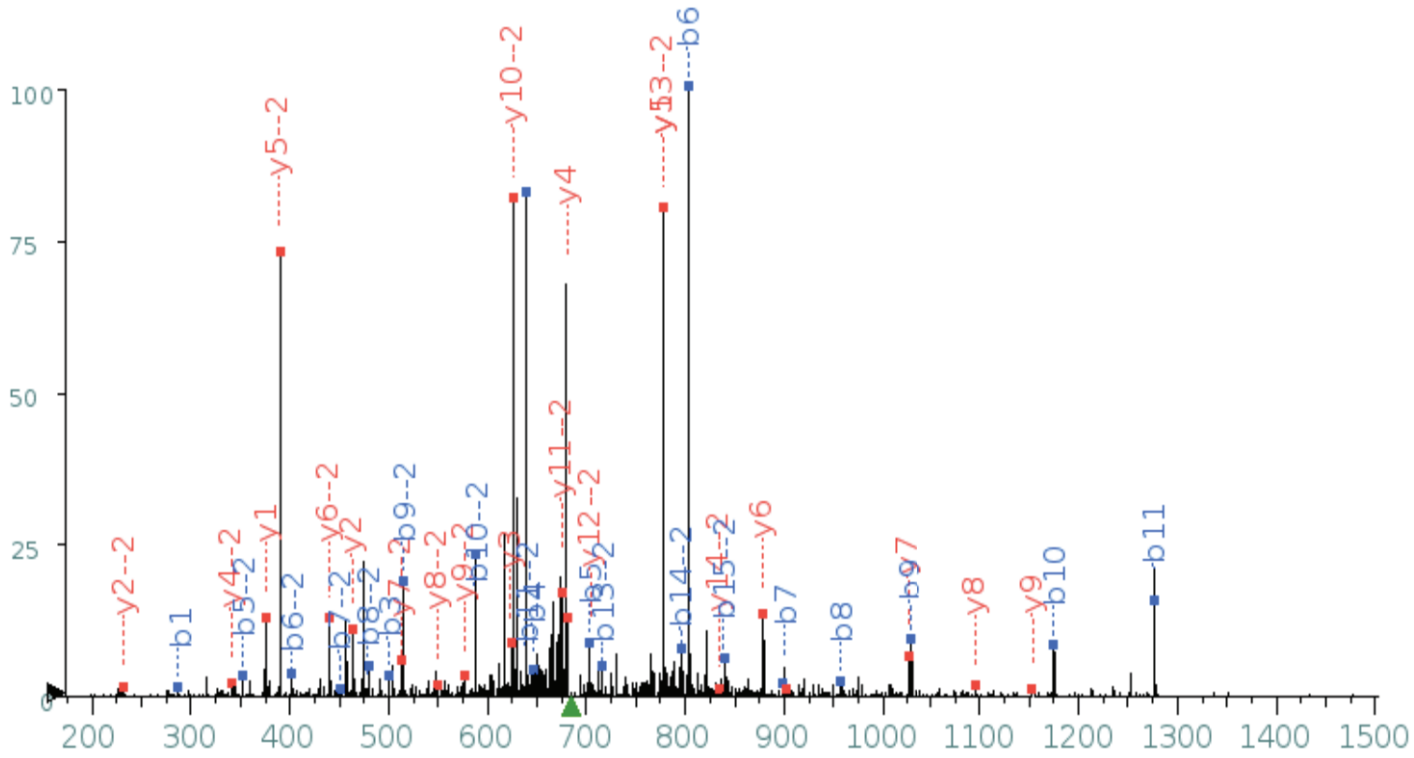
+2

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
H	1	---	184.118	---	---	23
G	2	---	212.629	1362.725	---	22
E	3	---	277.150	1334.214	---	21
V	4	---	326.684	1269.693	---	20
C	5	1551.185	406.700	1220.159	---	19
P	6	---	455.226	1140.144	64.381	18
A	7	502.573	490.745	1091.617	776.300	17
G	8	254.307	519.255	1056.099	680.166	16
W	9	271.694	612.295	1027.588	602.086	15
K	10	490.608	790.924	934.548	428.742	14
P	11	---	839.450	755.919	179.801	13
G	12	1044.890	867.961	707.393	1352.833	12
S	13	-849.998	911.477	678.882	99.543	11
E	14	1.706	975.998	635.366	---	10
T	15	---	1026.522	570.845	-1602.353	9
I	16	484.639	1083.064	520.321	-1797.467	8
I	17	535.583	1139.606	463.779	565.030	7
P	18	-831.191	1188.133	407.237	232.178	6
D	19	537.935	1245.646	358.711	497.571	5
P	20	---	1294.173	301.197	339.807	4
A	21	---	1329.691	252.671	---	3
G	22	213.156	1358.202	217.152	---	2
K	23	---	---	188.642	---	1

+3

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
H	1	---	123.081	---	---	23
G	2	---	142.088	908.819	---	22
E	3	---	185.103	889.812	---	21
V	4	---	218.125	846.798	---	20
C	5	---	271.469	813.775	-80.007	19
P	6	---	303.820	760.432	145.905	18
A	7	---	327.499	728.081	---	17
G	8	---	346.506	704.402	---	16
W	9	-1316.786	408.532	685.394	-119.151	15
K	10	1642.433	527.618	623.368	-1413.071	14
P	11	---	559.969	504.282	541.908	13
G	12	---	578.977	471.931	424.186	12
S	13	---	607.987	452.924	---	11
E	14	1318.166	651.001	423.913	---	10
T	15	917.520	684.684	380.899	1342.686	9
I	16	588.418	722.379	347.216	---	8
I	17	616.860	760.073	309.522	---	7
P	18	95.041	792.424	271.827	---	6
D	19	506.717	830.767	239.476	---	5
P	20	519.912	863.117	201.134	---	4
A	21	558.539	886.797	168.783	---	3
G	22	---	905.804	145.104	---	2
K	23	---	---	126.097	---	1

Prx5 Cys96 - unmodified: GVLFGVPGAFTPGCSK
Precursor mass: 684.71587 Da (+3)



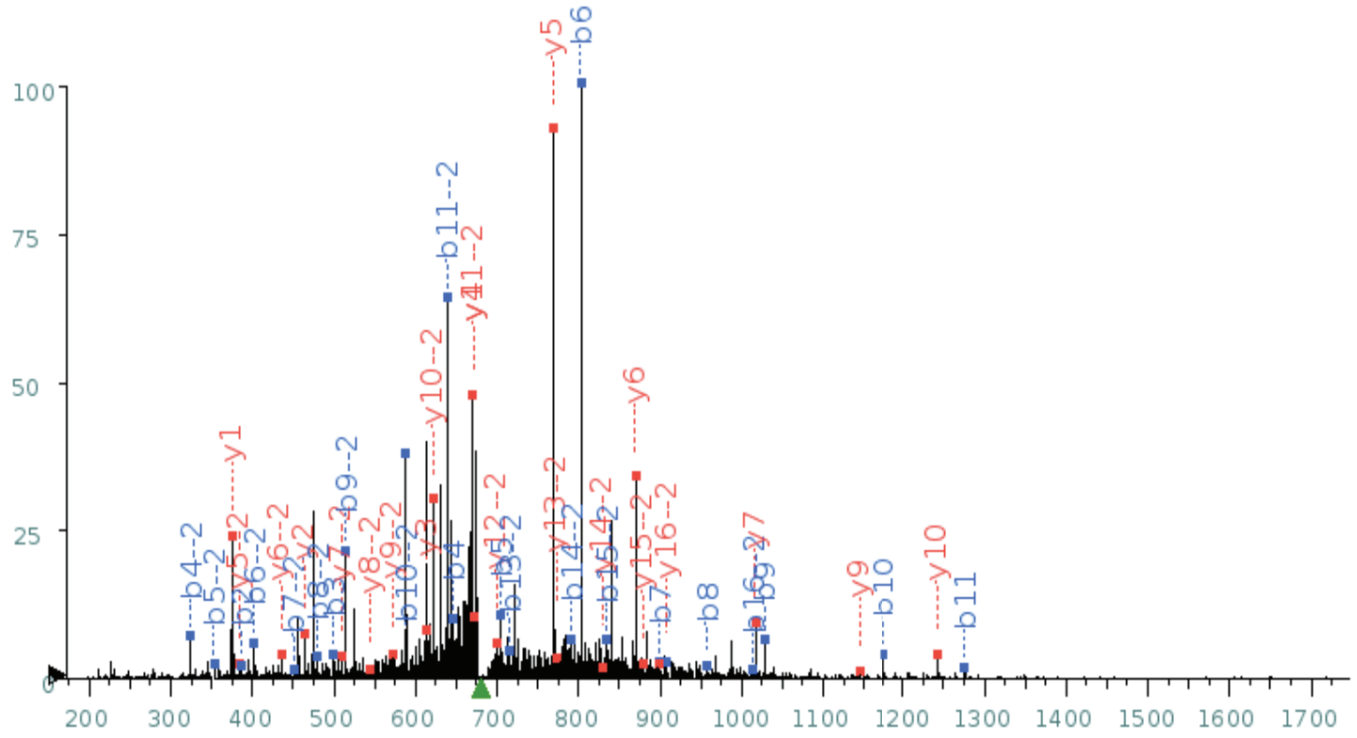
+1

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
G	1	-2710.282	287.192	---	---	16
V	2	---	386.260	1765.951	---	15
L	3	51.267	499.344	1666.882	---	14
F	4	14.593	646.413	1553.798	---	13
G	5	326.390	703.434	1406.730	---	12
V	6	344.263	802.502	1349.708	---	11
P	7	-779.290	899.555	1250.640	---	10
G	8	288.438	956.577	1153.587	-540.307	9
A	9	299.842	1027.614	1096.566	-401.741	8
F	10	356.980	1174.682	1025.529	356.446	7
T	11	352.372	1275.730	878.460	378.947	6
P	12	---	1372.783	777.413	331.464	5
G	13	---	1429.804	680.360	302.750	4
C	14	---	1589.835	623.338	432.158	3
S	15	---	1676.867	463.308	414.352	2
K	16	---	---	376.276	251.576	1

+2

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
G	1	---	144.099	---	---	16
V	2	---	193.634	883.479	---	15
L	3	---	250.176	833.945	608.816	14
F	4	---	323.710	777.403	344.091	13
G	5	620.820	352.221	703.869	-291.215	12
V	6	259.323	401.755	675.358	1419.344	11
P	7	-200.021	450.281	625.824	720.981	10
G	8	910.166	478.792	577.297	-1330.195	9
A	9	633.114	514.311	548.787	1220.241	8
F	10	1268.612	587.845	513.268	632.585	7
T	11	771.012	638.369	439.734	1746.862	6
P	12	---	686.895	389.210	942.535	5
G	13	576.672	715.406	340.684	1761.529	4
C	14	783.914	795.421	312.173	---	3
S	15	780.012	838.937	232.158	-3781.415	2
K	16	---	---	188.642	---	1

Prx5 Cys96 - SO_3: GVLFGVPGAFTPGCSK
Precursor mass: 681.70372 Da (+3)



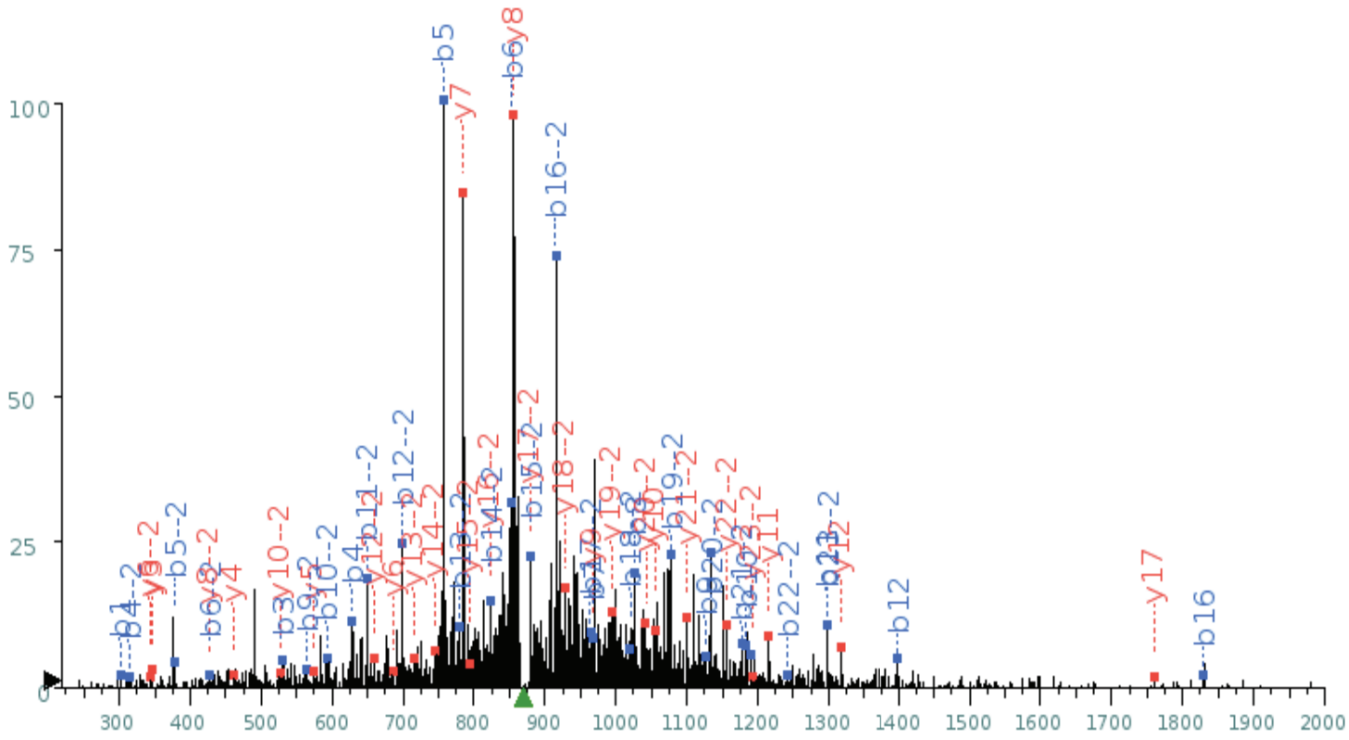
+1

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
G	1	---	287.192	---	---	16
V	2	-2010.397	386.260	1756.914	---	15
L	3	543.442	499.344	1657.846	---	14
F	4	-1055.180	646.413	1544.762	---	13
G	5	430.086	703.434	1397.693	---	12
V	6	221.122	802.502	1340.672	---	11
P	7	146.232	899.555	1241.603	234.363	10
G	8	308.078	956.577	1144.551	182.084	9
A	9	190.253	1027.614	1087.529	---	8
F	10	257.177	1174.682	1016.492	294.185	7
T	11	294.424	1275.730	869.424	250.400	6
P	12	---	1372.783	768.376	173.844	5
G	13	---	1429.804	671.323	-510.182	4
C#	14	---	1580.798	614.302	-1378.782	3
S	15	---	1667.830	463.308	235.107	2
K	16	---	---	376.276	416.594	1

+2

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
G	1	---	144.099	---	---	16
V	2	---	193.634	878.961	-169.054	15
L	3	---	250.176	829.426	-156.004	14
F	4	1650.971	323.710	772.884	-425.913	13
G	5	2112.889	352.221	699.350	441.537	12
V	6	398.240	401.755	670.840	-1120.597	11
P	7	266.372	450.281	621.305	594.836	10
G	8	1249.923	478.792	572.779	-597.736	9
A	9	704.934	514.311	544.268	-426.120	8
F	10	622.464	587.845	508.750	-54.971	7
T	11	623.499	638.369	435.215	-94.634	6
P	12	---	686.895	384.692	245.839	5
G	13	502.868	715.406	336.165	---	4
C#	14	-546.447	790.903	307.654	---	3
S	15	460.507	834.419	232.158	---	2
K	16	---	---	188.642	---	1

Prx5 Cys199 - unmodified: ALNVEPDGTGLTCSLAPNILSQL
Precursor mass: 871.4642 Da (+3)



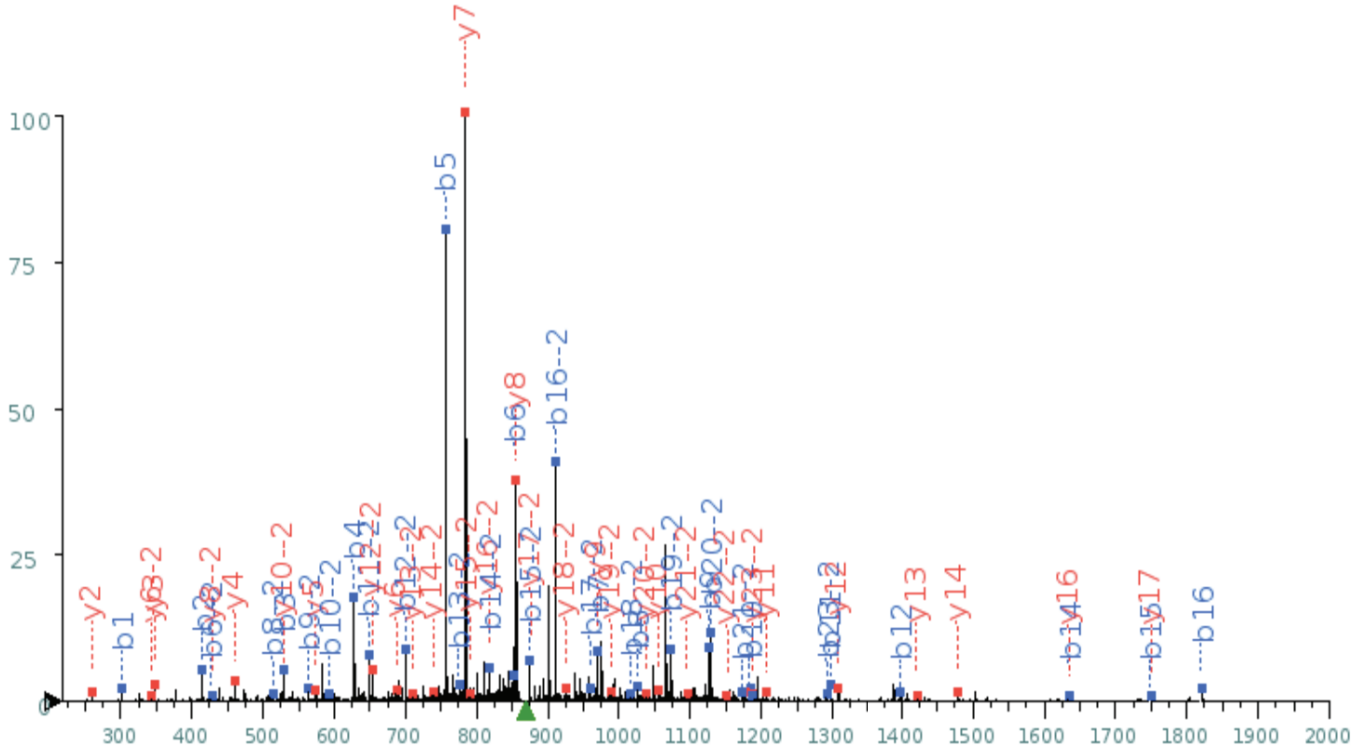
+1

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
A	1	364.051	301.207	---	---	23
L	2	---	414.291	2312.180	---	22
N	3	1883.711	528.334	2199.096	---	21
V	4	178.745	627.403	2085.053	---	20
E	5	255.540	756.445	1985.985	---	19
P	6	-1143.822	853.498	1856.942	---	18
D	7	247.221	968.525	1759.889	-370.713	17
G	8	715.111	1025.546	1644.863	---	16
T	9	-815.529	1126.594	1587.841	---	15
G	10	295.569	1183.616	1486.793	---	14
L	11	255.625	1296.700	1429.772	---	13
T	12	313.997	1397.747	1316.688	275.924	12
C	13	---	1557.778	1215.640	212.396	11
S	14	---	1644.810	1055.610	425.682	10
L	15	---	1757.894	968.578	193.048	9
A	16	463.280	1828.931	855.493	264.577	8
P	17	---	1925.984	784.456	255.875	7
N	18	---	2040.027	687.404	-146.885	6
I	19	---	2153.111	573.361	525.731	5
L	20	---	2266.195	460.277	1816.384	4
S	21	---	2353.227	347.193	243.488	3
Q	22	---	2481.286	260.160	---	2
L	23	---	---	132.102	---	1

+2

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
A	1	---	151.107	---	---	23
L	2	---	207.649	1156.594	466.381	22
N	3	---	264.671	1100.052	-536.455	21
V	4	-182.970	314.205	1043.030	-828.106	20
E	5	828.851	378.726	993.496	135.055	19
P	6	441.811	427.253	928.975	606.030	18
D	7	---	484.766	880.448	-497.305	17
G	8	---	513.277	822.935	472.412	16
T	9	-378.288	563.801	794.424	552.893	15
G	10	370.222	592.311	743.900	163.160	14
L	11	639.286	648.853	715.390	444.712	13
T	12	377.033	699.377	658.848	463.946	12
C	13	212.399	779.393	608.324	---	11
S	14	504.283	822.909	528.308	-1496.138	10
L	15	636.408	879.451	484.792	---	9
A	16	529.360	914.969	428.250	-1892.263	8
P	17	983.929	963.496	392.732	---	7
N	18	-806.033	1020.517	344.205	-2326.655	6
I	19	685.172	1077.059	287.184	---	5
L	20	820.014	1133.601	230.642	---	4
S	21	786.080	1177.117	174.100	---	3
Q	22	-210.209	1241.146	130.584	---	2
L	23	---	---	66.555	---	1

Prx5 Cys199 - SO_3: ALNVEPDGTGLTCSLAPNILSQL
Precursor mass: 868.45101 Da (+3)



+1

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
A	1	768.963	301.207	---	---	23
L	2	287.264	414.291	2303.144	---	22
N	3	300.342	528.334	2190.059	---	21
V	4	239.035	627.403	2076.017	---	20
E	5	345.855	756.445	1976.948	---	19
P	6	-976.202	853.498	1847.906	---	18
D	7	319.022	968.525	1750.853	175.680	17
G	8	319.272	1025.546	1635.826	196.439	16
T	9	287.873	1126.594	1578.804	---	15
G	10	366.374	1183.616	1477.757	263.222	14
L	11	274.631	1296.700	1420.735	383.503	13
T	12	313.735	1397.747	1307.651	204.381	12
C#	13	---	1548.741	1206.603	166.537	11
S	14	228.515	1635.773	1055.610	251.415	10
L	15	382.373	1748.857	968.578	264.852	9
A	16	300.822	1819.895	855.493	256.520	8
P	17	---	1916.947	784.456	300.744	7
N	18	---	2030.990	687.404	319.542	6
I	19	---	2144.074	573.361	428.314	5
L	20	---	2257.158	460.277	116.956	4
S	21	---	2344.190	347.193	482.134	3
Q	22	---	2472.249	260.160	543.438	2
L	23	---	---	132.102	---	1

+2

Seq	#	b: Δ Error	b	y	y: Δ Error	+1
A	1	---	151.107	---	---	23
L	2	---	207.649	1152.075	-145.358	22
N	3	---	264.671	1095.533	508.139	21
V	4	---	314.205	1038.512	579.565	20
E	5	---	378.726	988.978	98.145	19
P	6	973.193	427.253	924.456	309.377	18
D	7	---	484.766	875.930	-624.614	17
G	8	89.598	513.277	818.417	543.098	16
T	9	1170.934	563.801	789.906	1235.482	15
G	10	437.251	592.311	739.382	199.212	14
L	11	512.631	648.853	710.871	-263.094	13
T	12	665.162	699.377	654.329	-1281.968	12
C#	13	822.496	774.874	603.805	---	11
S	14	575.144	818.390	528.308	349.362	10
L	15	515.093	874.932	484.792	---	9
A	16	583.401	910.451	428.250	-1359.641	8
P	17	-328.819	958.977	392.732	---	7
N	18	863.999	1015.999	344.205	58.934	6
I	19	628.770	1072.541	287.184	---	5
L	20	530.094	1129.083	230.642	---	4
S	21	685.823	1172.599	174.100	---	3
Q	22	---	1236.628	130.584	---	2
L	23	---	---	66.555	---	1