FIG. 1

Disease	Protein Target	Peptides	Sequence	Total Mass	Parent Ion Mass	Daughter y-Ion Masses (m/z)		
						+	++	+++
Mucopolysaccharidosis Type I (MPSI; Hurler Syndrome)	IDUA	IDUA 218-230 ("IDUA 218")	LGGPGDSFHTPPR (SEQ ID NO: 1)	1337.438 (av.) 1336.642 (mono.)	446.5581+++	G [y12] - 1224.5756+ G [y11] - 1167.5541+ P [y10] - 1110.5327+ G [y9] - 1013.4799+ D [y8] - 956.4585+ S [y7] - 841.4315+ F [y6] - 754.3995+ H [y5] - 607.3311+ T [y4] - 470.2722+ P [y3] - 369.2245+	G [y12] - 612.7914++ G [y11] - 584.2807++ P [y10] - 555.7700++ G [y9] - 507.2436++ D [y8] - 478.7329++ S [y7] - 421.2194++ F [y6] - 377.7034++ H [y5] - 304.1692++ T [y4] - 235.6397++ P [y3] - 185.1159++	G [y12] - 408.8634+++ G [y11] - 389.8562+++ P [y10] - 370.8491+++ G [y9] - 338.4982+++ D [y8] - 319.4910+++ S [y7] - 281.1487+++ F [y6] - 252.1380+++ H [y5] - 203.1152+++ T [y4] - 157.4289+++ P [y3] - 123.7463+++