

Table 1. Glycopeptide Compositions of B.700010040.C9 gp140 ΔC obtained from LC/ESI-FTICR MS Analysis

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
C1	4+	1146.9956	1147.0221	23	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[HexNAc]2
	4+	1410.6348	1410.6146	14	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]4[HexNAc]4
	4+	1497.8631	1497.8989	24	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]4[HexNAc]5[Fuc]1
	4+	1451.1252	1451.1278	2	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]4
	4+	1487.6355	1487.6423	5	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]4[Fuc]1
	4+	1560.4801	1560.4161	41	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	4+	1523.8874	1523.9017	9	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]4[NeuNAc]1
	4+	1501.9201	1501.8977	15	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]5
	4+	1538.4445	1538.4121	21	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]5[Fuc]1
	4+	1552.6714	1552.6675	3	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]6
	4+	1564.4305	1564.4149	10	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]4[NeuNAc]1
	4+	1542.4202	1542.4109	6	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]5
	4+	1615.1600	1615.1847	15	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]5[NeuNAc]1
	4+	1593.2045	1593.1807	15	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]6
	4+	1629.6368	1629.6952	36	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]6[Fuc]1
	5+	1186.9636	1186.9122	43	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]4[HexNAc]4[NeuNAc]1
	5+	1169.3042	1169.3090	4	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]4[HexNAc]5
	5+	1201.6976	1201.7196	18	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]5
	5+	1318.1748	1318.1577	13	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]5[NeuNAc]2
	5+	1242.3164	1242.3355	15	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]6
5+	1309.9142	1309.9524	29	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]4[NeuNAc]2	
5+	1234.1303	1234.1301	0.2	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]5	
5+	1292.3759	1292.3492	21	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]5[NeuNAc]1	
5+	1274.7588	1274.7460	10	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]6	
5+	1303.9596	1303.9576	2	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]6[Fuc]1	
5+	1315.3625	1315.3619	0.5	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]7	
5+	1355.9663	1355.9778	8	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]8	
5+	1347.7501	1347.7725	17	NVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]7[HexNAc]7	
5+	1714.6314	1714.5622	40	AYDTEAHNVWATHACVPTDPNPQEVELKNVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]2	
5+	1755.2262	1755.1780	27	AYDTEAHNVWATHACVPTDPNPQEVELKNVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]3	
5+	1787.4573	1787.5886	73	AYDTEAHNVWATHACVPTDPNPQEVELKNVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]3	
5+	1898.1187	1898.0320	46	AYDTEAHNVWATHACVPTDPNPQEVELKNVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]5[Fuc]1	
6+	1588.7072	1588.6989	5	AYDTEAHNVWATHACVPTDPNPQEVELKNVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]5[HexNAc]6[Fuc]1	
6+	1581.9144	1581.8612	34	AYDTEAHNVWATHACVPTDPNPQEVELKNVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]6[HexNAc]5[Fuc]1	
6+	1676.6531	1676.5631	54	AYDTEAHNVWATHACVPTDPNPQEVELKNVTENFNMWENN MVEQMHEDIISLWDQSLKPCVK	[Hex]7[HexNAc]7[Fuc]1	
V1-V2	1+	655.2873	655.2868	1	NCSFK	non-glycosylated
	1+	858.3669	858.3661	1	NCSFK	[HexNAc]
	1+	1061.4498	1061.4456	4	NCSFK	[HexNAc]2
	2+	774.3042	774.3056	2	NCSFK	[Hex]3[HexNAc]2
	2+	855.3319	855.3321	0.2	NCSFK	[Hex]4[HexNAc]2

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	2+	1203.9307	1203.9591	24	NCSFK	[Hex]4[HexNAc]4[NeuNAc]1
	2+	1232.9667	1232.9800	11	NCSFK	[Hex]4[HexNAc]5[Fuc]1
	2+	936.3556	936.3584	3	NCSFK	[Hex]5[HexNAc]2
	2+	1212.4768	1212.4668	8	NCSFK	[Hex]5[HexNAc]4[Fuc]1
	2+	1358.0109	1358.0145	3	NCSFK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	2+	1314.0138	1314.0065	6	NCSFK	[Hex]5[HexNAc]5[Fuc]1
	2+	1017.3889	1017.3849	4	NCSFK	[Hex]6[HexNAc]2
	2+	1118.9250	1118.9245	0.4	NCSFK	[Hex]6[HexNAc]3
	2+	1191.9770	1191.9535	20	NCSFK	[Hex]6[HexNAc]3[Fuc]1
	2+	1220.4708	1220.4642	5	NCSFK	[Hex]6[HexNAc]4
	2+	1098.4180	1098.4113	6	NCSFK	[Hex]7[HexNAc]2
	2+	1179.4379	1179.4377	0.2	NCSFK	[Hex]8[HexNAc]2
V2	1+	1344.7196	1344.7006	14	LDVVPINDTR	[HexNAc]
	1+	1490.7829	1490.7585	16	LDVVPINDTR	[HexNAc][Fuc]
	2+	1220.5647	1220.5522	10	LDVVPINDTR	[Hex]3[HexNAc]4
	2+	1293.5991	1293.5811	14	LDVVPINDTR	[Hex]3[HexNAc]4[Fuc]1
	2+	1395.1039	1395.1209	12	LDVVPINDTR	[Hex]3[HexNAc]5[Fuc]1
	2+	1496.6630	1496.6606	2	LDVVPINDTR	[Hex]3[HexNAc]6[Fuc]1
	2+	1273.0593	1273.0679	7	LDVVPINDTR	[Hex]4[HexNAc]3[Fuc]1
	2+	1301.5616	1301.5786	13	LDVVPINDTR	[Hex]4[HexNAc]4
	2+	1374.6001	1374.6076	5	LDVVPINDTR	[Hex]4[HexNAc]4 [Fuc]1
	2+	1520.1599	1520.1553	3	LDVVPINDTR	[Hex]4[HexNAc]4[Fuc]1[NeuNAc]1
	2+	1447.1295	1447.1263	2	LDVVPINDTR	[Hex]4[HexNAc]4[NeuNAc]1
	2+	1476.1500	1476.1472	2	LDVVPINDTR	[Hex]4[HexNAc]5[Fuc]1
	2+	1621.6880	1621.6950	4	LDVVPINDTR	[Hex]4[HexNAc]5[Fuc]1[NeuNAc]1
	2+	1548.6709	1548.6660	3	LDVVPINDTR	[Hex]4[HexNAc]5[NeuNAc]1
	2+	1179.5252	1179.5256	0.3	LDVVPINDTR	[Hex]5[HexNAc]2
	2+	1281.0676	1281.0653	2	LDVVPINDTR	[Hex]5[HexNAc]3
	2+	1354.0865	1354.0943	6	LDVVPINDTR	[Hex]5[HexNAc]3[Fuc]1
	2+	1382.5984	1382.6050	5	LDVVPINDTR	[Hex]5[HexNAc]4
	2+	1528.0775	1528.1527	49	LDVVPINDTR	[Hex]5[HexNAc]4 [NeuNAc]1
	2+	1455.6338	1455.6340	0.1	LDVVPINDTR	[Hex]5[HexNAc]4[Fuc]1
	2+	1601.1771	1601.1817	3	LDVVPINDTR	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	2+	1746.7469	1746.7294	10	LDVVPINDTR	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]2
	2+	1557.1775	1557.1737	2	LDVVPINDTR	[Hex]5[HexNAc]5[Fuc]1
	2+	1702.7267	1702.7214	3	LDVVPINDTR	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]1
	2+	1629.7038	1629.6924	7	LDVVPINDTR	[Hex]5[HexNAc]5[NeuNAc]1
	2+	1775.2537	1775.2401	8	LDVVPINDTR	[Hex]5[HexNAc]5[NeuNAc]2
	2+	1585.7132	1585.6844	18	LDVVPINDTR	[Hex]5[HexNAc]6
	2+	1658.7223	1658.7133	5	LDVVPINDTR	[Hex]5[HexNAc]6[Fuc]1
	2+	1804.3204	1804.2610	33	LDVVPINDTR	[Hex]5[HexNAc]6[Fuc]1[NeuNAc]1
	2+	1760.2373	1760.2530	9	LDVVPINDTR	[Hex]5[HexNAc]7[Fuc]1
	2+	1260.5483	1260.5521	3	LDVVPINDTR	[Hex]6[HexNAc]2
	2+	1362.0861	1362.0917	4	LDVVPINDTR	[Hex]6[HexNAc]3
	2+	1435.1153	1435.1207	4	LDVVPINDTR	[Hex]6[HexNAc]3[Fuc]1
	2+	1507.6688	1507.6394	20	LDVVPINDTR	[Hex]6[HexNAc]3[NeuNAc]1
	2+	1463.6648	1463.6314	23	LDVVPINDTR	[Hex]6[HexNAc]4
	2+	1638.1993	1638.2001	0.5	LDVVPINDTR	[Hex]6[HexNAc]5[Fuc]1
	2+	1783.7592	1783.7478	6	LDVVPINDTR	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]1

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	2+	1929.2994	1929.2955	2	LDVVPINDTR	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]2
	2+	1739.7400	1739.7398	0.1	LDVVPINDTR	[Hex]6[HexNAc]6[Fuc]1
	2+	1885.2767	1885.2875	6	LDVVPINDTR	[Hex]6[HexNAc]6[Fuc]1[NeuNAc]1
	2+	1768.3074	1768.2505	32	LDVVPINDTR	[Hex]6[HexNAc]7
	2+	1841.2916	1841.2794	7	LDVVPINDTR	[Hex]6[HexNAc]7[Fuc]1
	2+	1617.7224	1617.6868	22	LDVVPINDTR	[Hex]7[HexNAc]4[Fuc]1
	2+	1791.6819	1791.7452	35	LDVVPINDTR	[Hex]7[HexNAc]5[NeuNAc]1
	2+	1820.7945	1820.7662	16	LDVVPINDTR	[Hex]7[HexNAc]6[Fuc]1
	2+	1966.3279	1966.3139	7	LDVVPINDTR	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]1
	2+	1922.3022	1922.3058	2	LDVVPINDTR	[Hex]7[HexNAc]7[Fuc]1
	2+	1706.7122	1706.7107	1	LDVVPINDTR	[Hex]9[HexNAc]4
	2+	1808.2360	1808.2503	8	LDVVPINDTR	[Hex]9[HexNAc]5
	3+	1232.4780	1232.5151	30	LDVVPINDTR	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1189.5218	1189.5009	18	LDVVPINDTR	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]1
	3+	1257.2134	1257.1941	15	LDVVPINDTR	[Hex]6[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1451.3207	1451.2577	43	LDVVPINDTR	[Hex]6[HexNAc]6[Fuc]1[NeuNAc]3
	3+	1421.8979	1421.9190	15	LDVVPINDTR	[Hex]6[HexNAc]7[Fuc]1[NeuNAc]2
	3+	1295.5295	1295.5485	15	LDVVPINDTR	[Hex]6[HexNAc]8[Fuc]1
	3+	1408.2538	1408.2435	7	LDVVPINDTR	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]2
	3+	1281.8812	1281.8730	6	LDVVPINDTR	[Hex]7[HexNAc]7[Fuc]1
	3+	1378.9171	1378.9048	9	LDVVPINDTR	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]1
	3+	1475.9534	1475.9366	11	LDVVPINDTR	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]2
	3+	1573.0275	1572.9684	38	LDVVPINDTR	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]3
	3+	1494.8802	1494.9438	43	LDVVPINDTR	[Hex]7[HexNAc]8[NeuNAc]2
V2-C2	2+	839.4223	839.4185	5	LVSCNTSVITQACPK	non-glycosylated
	2+	940.9690	940.9555	14	LVSCNTSVITQACPK	[HexNAc]
	2+	1387.1189	1387.1168	2	LVSCNTSVITQACPK	[Hex]3[HexNAc]3
	2+	1532.6588	1532.6645	4	LVSCNTSVITQACPK	[Hex]3[HexNAc]3[NeuNAc]1
	2+	1764.7722	1764.7649	4	LVSCNTSVITQACPK	[Hex]3[HexNAc]6[Fuc]1
	2+	1366.5903	1366.6036	10	LVSCNTSVITQACPK	[Hex]4[HexNAc]2
	2+	1468.1422	1468.1432	1	LVSCNTSVITQACPK	[Hex]4[HexNAc]3
	2+	1541.1689	1541.1722	2	LVSCNTSVITQACPK	[Hex]4[HexNAc]3[Fuc]1
	2+	1642.7217	1642.7119	6	LVSCNTSVITQACPK	[Hex]4[HexNAc]4 [Fuc]1
	2+	1715.2295	1715.2306	1	LVSCNTSVITQACPK	[Hex]4[HexNAc]4[NeuNAc]1
	2+	1744.2375	1744.2515	8	LVSCNTSVITQACPK	[Hex]4[HexNAc]5[Fuc]1
	2+	1889.8428	1889.7993	23	LVSCNTSVITQACPK	[Hex]4[HexNAc]5[Fuc]1[NeuNAc]1
	2+	1549.1629	1549.1696	4	LVSCNTSVITQACPK	[Hex]5 [HexNAc]3
	2+	1796.2924	1796.2570	20	LVSCNTSVITQACPK	[Hex]5 [HexNAc]4 [NeuNAc]1
	2+	1447.6273	1447.6299	2	LVSCNTSVITQACPK	[Hex]5[HexNAc]2
	2+	1622.1983	1622.1986	0.2	LVSCNTSVITQACPK	[Hex]5[HexNAc]3[Fuc]1
	2+	1650.7167	1650.7093	4	LVSCNTSVITQACPK	[Hex]5[HexNAc]4
	2+	1723.7345	1723.7383	2	LVSCNTSVITQACPK	[Hex]5[HexNAc]4[Fuc]1
	2+	1869.2821	1869.2860	2	LVSCNTSVITQACPK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	2+	1825.2763	1825.2780	1	LVSCNTSVITQACPK	[Hex]5[HexNAc]5[Fuc]1
	2+	1926.8203	1926.8176	1	LVSCNTSVITQACPK	[Hex]5[HexNAc]6[Fuc]1
	2+	1528.5906	1528.6564	43	LVSCNTSVITQACPK	[Hex]6[HexNAc]2
	2+	1630.1777	1630.1960	11	LVSCNTSVITQACPK	[Hex]6[HexNAc]3
	2+	1703.2417	1703.2250	10	LVSCNTSVITQACPK	[Hex]6[HexNAc]3[Fuc]1

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	2+	1775.7547	1775.7437	6	LVSCNTSVITQACPK	[Hex]6[HexNAc]3[NeuNAc]1
	2+	1731.7342	1731.7357	1	LVSCNTSVITQACPK	[Hex]6[HexNAc]4
	2+	1833.2764	1833.2754	1	LVSCNTSVITQACPK	[Hex]6[HexNAc]5
	2+	1804.7856	1804.7433	23	LVSCNTSVITQACPK	[Hex]6[HexNAc]4[Fuc]1
	2+	1906.2980	1906.3044	3	LVSCNTSVITQACPK	[Hex]6[HexNAc]5[Fuc]1
	2+	1609.6587	1609.6828	15	LVSCNTSVITQACPK	[Hex]7[HexNAc]2
	2+	1690.7528	1690.7092	26	LVSCNTSVITQACPK	[Hex]8[HexNAc]2
	3+	1124.8032	1124.8157	11	LVSCNTSVITQACPK	[Hex]4[HexNAc]3[Fuc]1[NeuNAc]1
	3+	1141.1479	1141.1507	2	LVSCNTSVITQACPK	[Hex]7[HexNAc]3
	3+	1181.5006	1181.4928	7	LVSCNTSVITQACPK	[Hex]9[HexNAc]2
	3+	1230.8944	1230.8632	25	LVSCNTSVITQACPK	[Hex]4[HexNAc]6[Fuc]1
	3+	1251.8698	1251.8580	9	LVSCNTSVITQACPK	[Hex]6[HexNAc]4[NeuNAc]1
	3+	1257.5495	1257.5298	16	LVSCNTSVITQACPK	[Hex]7[HexNAc]4[Fuc]1
	3+	1290.2087	1290.2125	3	LVSCNTSVITQACPK	[Hex]6[HexNAc]6
	3+	1338.9246	1338.8985	19	LVSCNTSVITQACPK	[Hex]6[HexNAc]6[Fuc]1
	3+	1344.2468	1344.2301	12	LVSCNTSVITQACPK	[Hex]7[HexNAc]6
	3+	1357.2219	1357.2337	9	LVSCNTSVITQACPK	[Hex]4[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1368.2507	1368.2371	10	LVSCNTSVITQACPK	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]1
	3+	1392.9166	1392.9161	0.4	LVSCNTSVITQACPK	[Hex]7[HexNAc]6[Fuc]1
	3+	1433.2816	1433.2581	16	LVSCNTSVITQACPK	[Hex]9[HexNAc]5[Fuc]1
	3+	1435.9159	1435.9303	10	LVSCNTSVITQACPK	[Hex]6[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1460.6318	1460.6092	15	LVSCNTSVITQACPK	[Hex]7[HexNAc]7[Fuc]1
	3+	1465.2800	1465.2689	8	LVSCNTSVITQACPK	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1489.9542	1489.9479	4	LVSCNTSVITQACPK	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1557.6791	1557.6409	25	LVSCNTSVITQACPK	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]1
C2	4+	1713.5051	1713.5436	22	QFIGTGPCTNVSTVQCTHGI RPVVSTQLLLNGSLAEEEVIR	[Hex]9[HexNAc]4
	4+	1754.0385	1754.0568	10	QFIGTGPCTNVSTVQCTHGI RPVVSTQLLLNGSLAEEEVIR	[Hex]10[HexNAc]4
	4+	1794.5985	1794.6949	54	QFIGTGPCTNVSTVQCTHGI RPVVSTQLLLNGSLAEEEVIR	[Hex]11[HexNAc]4
	4+	1835.1038	1835.0832	11	QFIGTGPCTNVSTVQCTHGI RPVVSTQLLLNGSLAEEEVIR	[Hex]12[HexNAc]4
	4+	1875.6426	1875.5964	25	QFIGTGPCTNVSTVQCTHGI RPVVSTQLLLNGSLAEEEVIR	[Hex]13[HexNAc]4
	4+	1916.1612	1916.1097	27	QFIGTGPCTNVSTVQCTHGI RPVVSTQLLLNGSLAEEEVIR	[Hex]14[HexNAc]4
	4+	1956.6842	1956.6229	31	QFIGTGPCTNVSTVQCTHGI RPVVSTQLLLNGSLAEEEVIR	[Hex]15[HexNAc]4
	4+	1997.1502	1997.1361	7	QFIGTGPCTNVSTVQCTHGI RPVVSTQLLLNGSLAEEEVIR	[Hex]16[HexNAc]4
	1+	981.4694	981.4636	6	SVNFSDNAK	non-glycosylated
	1+	1184.5654	1184.5429	19	SVNFSDNAK	[HexNAc]
	1+	1330.6192	1330.6009	14	SVNFSDNAK	[HexNAc][Fuc]
	2+	1315.0492	1315.0421	5	SVNFSDNAK	[Hex]3[HexNAc]5[Fuc]1
	2+	1294.5187	1294.5288	8	SVNFSDNAK	[Hex]4[HexNAc]4[Fuc]1
	2+	1541.6515	1541.6162	23	SVNFSDNAK	[Hex]4[HexNAc]5[Fuc]1[NeuNAc]1
	2+	1099.4360	1099.4469	10	SVNFSDNAK	[Hex]5[HexNAc]2
	2+	1375.5602	1375.5552	4	SVNFSDNAK	[Hex]5[HexNAc]4[Fuc]1
	2+	1521.1178	1521.1029	10	SVNFSDNAK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	2+	1477.1073	1477.0949	8	SVNFSDNAK	[Hex]5[HexNAc]5[Fuc]1
	2+	1768.1701	1768.1903	11	SVNFSDNAK	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]2
	2+	1578.6355	1578.6346	1	SVNFSDNAK	[Hex]5[HexNAc]6[Fuc]1
	2+	1282.0278	1282.0130	12	SVNFSDNAK	[Hex]6[HexNAc]3

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	2+	1485.1012	1485.0924	6	SVNFSDNAK	[Hex]6[HexNAc]5
	2+	1558.1255	1558.1213	3	SVNFSDNAK	[Hex]6[HexNAc]5[Fuc]1
	2+	1703.6826	1703.6690	8	SVNFSDNAK	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]1
	2+	1630.6614	1630.6401	13	SVNFSDNAK	[Hex]6[HexNAc]5[NeuNAc]1
	2+	1586.6485	1586.6320	10	SVNFSDNAK	[Hex]6[HexNAc]6
	2+	1659.7023	1659.6610	25	SVNFSDNAK	[Hex]6[HexNAc]6[Fuc]1
	2+	1711.6099	1711.6665	33	SVNFSDNAK	[Hex]7[HexNAc]5[NeuNAc]1
	2+	1667.6726	1667.6585	8	SVNFSDNAK	[Hex]7[HexNAc]6
	2+	1886.2320	1886.2351	2	SVNFSDNAK	[Hex]7[HexNAc]6 [Fuc]1 [NeuNAc]1
	2+	1740.6884	1740.6874	1	SVNFSDNAK	[Hex]7[HexNAc]6[Fuc]1
	2+	1842.1862	1842.2271	22	SVNFSDNAK	[Hex]7[HexNAc]7[Fuc]1
	3+	1047.0817	1047.0871	5	SVNFSDNAK	[Hex]4[HexNAc]6[NeuNAc]1
	3+	1160.8025	1160.7940	7	SVNFSDNAK	[Hex]7[HexNAc]6[Fuc]1
	3+	1325.5440	1325.5189	19	SVNFSDNAK	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]1
	1+	928.5803	928.5826	2	TIIVQLNK	non-glycosylated
	1+	1131.6882	1131.6619	23	TIIVQLNK	[HexNAc]
	2+	910.9532	910.9535	0.3	TIIVQLNK	[Hex]3[HexNAc]2
	2+	991.9765	991.9800	4	TIIVQLNK	[Hex]4[HexNAc]2
	2+	1073.0021	1073.0063	4	TIIVQLNK	[Hex]5[HexNAc]2
	2+	1154.0349	1154.0328	2	TIIVQLNK	[Hex]6[HexNAc]2
	2+	1255.5754	1255.5724	2	TIIVQLNK	[Hex]6[HexNAc]3
	2+	1235.0600	1235.0592	1	TIIVQLNK	[Hex]7[HexNAc]2
	2+	1336.5921	1336.5988	5	TIIVQLNK	[Hex]7[HexNAc]3
	2+	1316.0823	1316.0856	3	TIIVQLNK	[Hex]8[HexNAc]2
	2+	1397.1173	1397.1120	4	TIIVQLNK	[Hex]9[HexNAc]2
V2-V3	2+	831.3992	831.4048	7	SVEITCTRPNNTR	non-glycosylated
	2+	932.9480	932.9418	7	SVEITCTRPNNTR	[HexNAc]
	2+	1005.9797	1005.9734	6	SVEITCTRPNNTR	[HexNAc][Fuc]
	2+	1269.5711	1269.5660	4	SVEITCTRPNNTR	[Hex]2[HexNAc]2[Fuc]1
	2+	1371.1351	1371.1056	22	SVEITCTRPNNTR	[Hex]2[HexNAc]3[Fuc]1
	2+	1472.6701	1472.6454	17	SVEITCTRPNNTR	[Hex]2[HexNAc]4[Fuc]1
	2+	1350.5991	1350.5924	5	SVEITCTRPNNTR	[Hex]3[HexNAc]2[Fuc]1
	2+	1379.1175	1379.1031	10	SVEITCTRPNNTR	[Hex]3[HexNAc]3
	2+	1452.1323	1452.1321	0.1	SVEITCTRPNNTR	[Hex]3[HexNAc]3[Fuc]1
	2+	1480.6180	1480.6428	17	SVEITCTRPNNTR	[Hex]3[HexNAc]4
	2+	1553.6726	1553.6717	1	SVEITCTRPNNTR	[Hex]3[HexNAc]4[Fuc]1
	2+	1756.7399	1756.7512	6	SVEITCTRPNNTR	[Hex]3[HexNAc]6[Fuc]1
	2+	1886.7723	1886.8016	16	SVEITCTRPNNTR	[Hex]3[HexNAc]8
	2+	1358.6310	1358.5899	30	SVEITCTRPNNTR	[Hex]4[HexNAc]2
	2+	1431.6283	1431.6188	7	SVEITCTRPNNTR	[Hex]4[HexNAc]2[Fuc]1
	2+	1460.1563	1460.1295	18	SVEITCTRPNNTR	[Hex]4[HexNAc]3
	2+	1533.1601	1533.1585	1	SVEITCTRPNNTR	[Hex]4[HexNAc]3[Fuc]1
	2+	1561.6723	1561.6692	2	SVEITCTRPNNTR	[Hex]4[HexNAc]4
	2+	1634.6978	1634.6982	0.2	SVEITCTRPNNTR	[Hex]4[HexNAc]4 [Fuc]1
	2+	1707.7231	1707.7271	2	SVEITCTRPNNTR	[Hex]4[HexNAc]4[Fuc]2
	2+	1736.2437	1736.2378	3	SVEITCTRPNNTR	[Hex]4[HexNAc]5[Fuc]1
	2+	1881.8042	1881.7856	10	SVEITCTRPNNTR	[Hex]4[HexNAc]5[Fuc]1[NeuNAc]1

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	2+	1788.7707	1788.7535	10	SVEICTRPNNNTR	[Hex]5[HexNAc]4[Fuc]2
	2+	1809.2620	1809.2668	3	SVEICTRPNNNTR	[Hex]4[HexNAc]5[Fuc]2
	2+	1439.6237	1439.6162	5	SVEICTRPNNNTR	[Hex]5[HexNAc]2
	2+	1541.1368	1541.1559	12	SVEICTRPNNNTR	[Hex]5[HexNAc]3
	2+	1614.1872	1614.1849	1	SVEICTRPNNNTR	[Hex]5[HexNAc]3[Fuc]1
	2+	1759.7467	1759.7326	8	SVEICTRPNNNTR	[Hex]5[HexNAc]3[Fuc]1[NeuNAc]1
	2+	1715.7251	1715.7246	0.3	SVEICTRPNNNTR	[Hex]5[HexNAc]4[Fuc]1
	2+	1861.2818	1861.2723	5	SVEICTRPNNNTR	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	2+	1744.2405	1744.2353	3	SVEICTRPNNNTR	[Hex]5[HexNAc]5
	2+	1817.2675	1817.2643	2	SVEICTRPNNNTR	[Hex]5[HexNAc]5[Fuc]1
	2+	1962.8579	1962.8120	23	SVEICTRPNNNTR	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]1
	2+	1890.2782	1890.2932	8	SVEICTRPNNNTR	[Hex]5[HexNAc]5[Fuc]2
	2+	1845.7572	1845.7750	10	SVEICTRPNNNTR	[Hex]5[HexNAc]6
	2+	1520.6199	1520.6427	15	SVEICTRPNNNTR	[Hex]6[HexNAc]2
	2+	1622.1719	1622.1823	6	SVEICTRPNNNTR	[Hex]6[HexNAc]3
	2+	1767.7222	1767.7300	4	SVEICTRPNNNTR	[Hex]6[HexNAc]3[NeuNAc]1
	3+	1220.1742	1220.1892	12	SVEICTRPNNNTR	[Hex]3[HexNAc]6[Fuc]2
	3+	1090.1388	1090.1345	4	SVEICTRPNNNTR	[Hex]4[HexNAc]4 [Fuc]1
	3+	1351.8843	1351.8913	5	SVEICTRPNNNTR	[Hex]4[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1303.2166	1303.2053	9	SVEICTRPNNNTR	[Hex]4[HexNAc]5[NeuNAc]2
	3+	1322.5757	1322.5526	17	SVEICTRPNNNTR	[Hex]4[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1273.8551	1273.8666	9	SVEICTRPNNNTR	[Hex]4[HexNAc]6[NeuNAc]1
	3+	1338.2239	1338.2157	6	SVEICTRPNNNTR	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]2
	3+	1192.4679	1192.4679	0	SVEICTRPNNNTR	[Hex]5[HexNAc]4[NeuNAc]1
	3+	1289.5576	1289.5298	22	SVEICTRPNNNTR	[Hex]5[HexNAc]4[NeuNAc]2
	3+	1435.2920	1435.2475	31	SVEICTRPNNNTR	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]3
	3+	1405.8585	1405.9089	36	SVEICTRPNNNTR	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1279.5485	1279.5384	8	SVEICTRPNNNTR	[Hex]5[HexNAc]6[Fuc]1
	3+	1198.1634	1198.1697	5	SVEICTRPNNNTR	[Hex]6[HexNAc]4[Fuc]1
	3+	1217.1730	1217.1769	3	SVEICTRPNNNTR	[Hex]6[HexNAc]5
	3+	1265.8718	1265.8629	7	SVEICTRPNNNTR	[Hex]6[HexNAc]5[Fuc]1
	3+	1362.8942	1362.8947	0.4	SVEICTRPNNNTR	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]1
	3+	1459.9346	1459.9265	6	SVEICTRPNNNTR	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1333.5649	1333.5560	7	SVEICTRPNNNTR	[Hex]6[HexNAc]6[Fuc]1
	3+	1430.5787	1430.5878	6	SVEICTRPNNNTR	[Hex]6[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1252.2006	1252.1873	11	SVEICTRPNNNTR	[Hex]7[HexNAc]4[Fuc]1
	3+	1397.5659	1397.5650	1	SVEICTRPNNNTR	[Hex]7[HexNAc]4[NeuNAc]2
	3+	1387.5502	1387.5736	17	SVEICTRPNNNTR	[Hex]7[HexNAc]6[Fuc]1
	3+	1533.2693	1533.2914	14	SVEICTRPNNNTR	[Hex]7[HexNAc]6[Fuc]2[NeuNAc]1
	3+	1630.3367	1630.3232	8	SVEICTRPNNNTR	[Hex]7[HexNAc]6[Fuc]2[NeuNAc]2
	3+	1257.5231	1257.5190	3	SVEICTRPNNNTR	[Hex]8[HexNAc]4
	3+	1379.2332	1379.2297	3	SVEICTRPNNNTR	[Hex]9[HexNAc]5
	3+	1381.5426	1381.5860	31	SVEICTRPNNNTRK	[Hex]7[HexNAc]6
V3-C3	2+	904.9222	904.9172	6	AYCEINGTEWHSTLK	non-glycosylated
	2+	1006.4653	1006.4542	11	AYCEINGTEWHSTLK	[HexNAc]
	2+	1079.4730	1079.4858	12	AYCEINGTEWHSTLK	[HexNAc][Fuc]
	2+	1108.0085	1107.9966	11	AYCEINGTEWHSTLK	[HexNAc]2
	2+	1270.0507	1270.0494	1	AYCEINGTEWHSTLK	[Hex]2[HexNAc]2

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	2+	1351.0736	1351.0758	2	AYCEINGTEWHSTLK	[Hex]3[HexNAc]2
	2+	1452.6273	1452.6155	8	AYCEINGTEWHSTLK	[Hex]3[HexNAc]3
	2+	1525.6450	1525.6445	0.3	AYCEINGTEWHSTLK	[Hex]3[HexNAc]3[Fuc]1
	2+	1554.1567	1554.1552	1	AYCEINGTEWHSTLK	[Hex]3[HexNAc]4
	2+	1432.1021	1432.1023	0.1	AYCEINGTEWHSTLK	[Hex]4[HexNAc]2
	2+	1533.6422	1533.6419	0.2	AYCEINGTEWHSTLK	[Hex]4[HexNAc]3
	2+	1679.1915	1679.1896	1	AYCEINGTEWHSTLK	[Hex]4[HexNAc]3[NeuNAc]1
	2+	1635.1735	1635.1816	5	AYCEINGTEWHSTLK	[Hex]4[HexNAc]4
	2+	1708.2139	1708.2106	2	AYCEINGTEWHSTLK	[Hex]4[HexNAc]4 [Fuc]1
	2+	1780.7205	1780.7293	5	AYCEINGTEWHSTLK	[Hex]4[HexNAc]4[NeuNAc]1
	2+	1736.7067	1736.7213	8	AYCEINGTEWHSTLK	[Hex]4[HexNAc]5
	2+	1809.7819	1809.7502	18	AYCEINGTEWHSTLK	[Hex]4[HexNAc]5[Fuc]1
	2+	1955.3330	1955.2980	18	AYCEINGTEWHSTLK	[Hex]4[HexNAc]5[Fuc]1[NeuNAc]1
	2+	1760.2133	1760.2160	2	AYCEINGTEWHSTLK	[Hex]5 [HexNAc]3 [NeuNAc]1
	2+	1861.7545	1861.7557	1	AYCEINGTEWHSTLK	[Hex]5 [HexNAc]4 [NeuNAc]1
	2+	1513.1320	1513.1286	2	AYCEINGTEWHSTLK	[Hex]5[HexNAc]2
	2+	1614.6652	1614.6683	2	AYCEINGTEWHSTLK	[Hex]5[HexNAc]3
	2+	1833.2472	1833.2450	1	AYCEINGTEWHSTLK	[Hex]5[HexNAc]3[Fuc]1[NeuNAc]1
	2+	1905.7863	1905.7638	12	AYCEINGTEWHSTLK	[Hex]5[HexNAc]3[NeuNAc]2
	2+	1716.2013	1716.2080	4	AYCEINGTEWHSTLK	[Hex]5[HexNAc]4
	2+	1789.2387	1789.2370	1	AYCEINGTEWHSTLK	[Hex]5[HexNAc]4[Fuc]1
	2+	1934.8136	1934.7847	15	AYCEINGTEWHSTLK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	2+	1817.7475	1817.7477	0.1	AYCEINGTEWHSTLK	[Hex]5[HexNAc]5
	2+	1594.1529	1594.1551	1	AYCEINGTEWHSTLK	[Hex]6[HexNAc]2
	2+	1695.6954	1695.6947	0.4	AYCEINGTEWHSTLK	[Hex]6[HexNAc]3
	2+	1768.7297	1768.7237	3	AYCEINGTEWHSTLK	[Hex]6[HexNAc]3[Fuc]1
	2+	1841.2401	1841.2424	1	AYCEINGTEWHSTLK	[Hex]6[HexNAc]3[NeuNAc]1
	2+	1797.2318	1797.2344	1	AYCEINGTEWHSTLK	[Hex]6[HexNAc]4
	2+	1675.1825	1675.1815	1	AYCEINGTEWHSTLK	[Hex]7[HexNAc]2
	2+	1776.7366	1776.7211	9	AYCEINGTEWHSTLK	[Hex]7[HexNAc]3
	2+	1756.1740	1756.2079	19	AYCEINGTEWHSTLK	[Hex]8[HexNAc]2
	3+	1090.4673	1090.4568	10	AYCEINGTEWHSTLK	[Hex]4[HexNAc]4
	3+	1352.2410	1352.2136	20	AYCEINGTEWHSTLK	[Hex]4[HexNAc]5[NeuNAc]2
	3+	1371.5821	1371.5609	15	AYCEINGTEWHSTLK	[Hex]4[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1076.7818	1076.7813	0.5	AYCEINGTEWHSTLK	[Hex]5[HexNAc]3
	3+	1125.4693	1125.4673	2	AYCEINGTEWHSTLK	[Hex]5[HexNAc]3[Fuc]1
	3+	1144.4756	1144.4744	1	AYCEINGTEWHSTLK	[Hex]5[HexNAc]4
	3+	1241.5169	1241.5062	9	AYCEINGTEWHSTLK	[Hex]5 [HexNAc]4 [NeuNAc]1
	3+	1338.5573	1338.5381	14	AYCEINGTEWHSTLK	[Hex]5[HexNAc]4[NeuNAc]2
	3+	1435.6128	1435.5698	30	AYCEINGTEWHSTLK	[Hex]5[HexNAc]4[NeuNAc]3
	3+	1290.2032	1290.1922	9	AYCEINGTEWHSTLK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	3+	1212.2013	1212.1676	28	AYCEINGTEWHSTLK	[Hex]5[HexNAc]5
	3+	1260.8647	1260.8535	9	AYCEINGTEWHSTLK	[Hex]5[HexNAc]5[Fuc]1
	3+	1357.9344	1357.8853	36	AYCEINGTEWHSTLK	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]1
	3+	1454.8534	1454.9171	44	AYCEINGTEWHSTLK	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1309.2041	1309.1994	4	AYCEINGTEWHSTLK	[Hex]5[HexNAc]5[NeuNAc]1
	3+	1247.1849	1247.1637	17	AYCEINGTEWHSTLK	[Hex]6[HexNAc]4[Fuc]1
	3+	1266.1826	1266.1852	2	AYCEINGTEWHSTLK	[Hex]6[HexNAc]5
	3+	1314.8524	1314.8711	14	AYCEINGTEWHSTLK	[Hex]6[HexNAc]5[Fuc]1
	3+	1363.2228	1363.2170	4	AYCEINGTEWHSTLK	[Hex]6[HexNAc]5[NeuNAc]1

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	3+	1479.5964	1479.5961	0.2	AYCEINGTEWHSTLK	[Hex]6[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1430.9211	1430.9101	8	AYCEINGTEWHSTLK	[Hex]6[HexNAc]6[NeuNAc]1
	3+	1547.2944	1547.2892	3	AYCEINGTEWHSTLK	[Hex]6[HexNAc]7[Fuc]1[NeuNAc]1
	3+	1117.1212	1117.1234	2	AYCEINGTEWHSTLK	[Hex]7[HexNAc]2
	3+	1184.8475	1184.8165	26	AYCEINGTEWHSTLK	[Hex]7[HexNAc]3
	3+	1252.5010	1252.5096	7	AYCEINGTEWHSTLK	[Hex]7[HexNAc]4
	3+	1301.2045	1301.1956	7	AYCEINGTEWHSTLK	[Hex]7[HexNAc]4[Fuc]1
	3+	1533.6393	1533.6137	17	AYCEINGTEWHSTLK	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1601.2660	1601.3067	25	AYCEINGTEWHSTLK	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]1
	3+	1552.6730	1552.6208	34	AYCEINGTEWHSTLK	[Hex]7[HexNAc]7[NeuNAc]1
	3+	1297.9001	1297.8801	15	KAYCEINGTEWHSTLK	[Hex]4[HexNAc]5[NeuNAc]1
C3	1+	884.4090	884.3942	17	EQYNK	[HexNAc]
	2+	1318.5543	1318.5156	29	EQYNK	[Hex]4[HexNAc]5[NeuNAc]1
	2+	1371.0366	1371.0312	4	EQYNK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	2+	1327.0421	1327.0232	14	EQYNK	[Hex]5[HexNAc]5[Fuc]1
	2+	1408.0681	1408.0496	13	EQYNK	[Hex]6[HexNAc]5[Fuc]1
	2+	1553.6202	1553.5973	15	EQYNK	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]1
	2+	1509.5586	1509.5893	20	EQYNK	[Hex]6[HexNAc]6[Fuc]1
	2+	1590.6111	1590.6157	3	EQYNK	[Hex]7[HexNAc]6[Fuc]1
	2+	1736.1970	1736.1634	19	EQYNK	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]1
	2+	1096.5344	1096.4836	46	LREQYNK	[Hex]3[HexNAc]3[Fuc]1
	2+	1198.0318	1198.0233	7	LREQYNK	[Hex]3[HexNAc]4[Fuc]1
	2+	1177.5043	1177.5100	5	LREQYNK	[Hex]4[HexNAc]3[Fuc]1
	2+	1279.0490	1279.0497	1	LREQYNK	[Hex]4[HexNAc]4 [Fuc]1
	2+	1554.6392	1554.6479	6	LREQYNK	[Hex]4[HexNAc]6[NeuNAc]1
	2+	1360.0766	1360.0761	0.4	LREQYNK	[Hex]5[HexNAc]4[Fuc]1
	2+	1752.7450	1752.7112	19	LREQYNK	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]2
	2+	1469.6316	1469.6133	12	LREQYNK	[Hex]6[HexNAc]5
	2+	1833.7368	1833.7376	0.4	LREQYNK	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]2
	2+	1615.1949	1615.1610	21	LREQYNK	[Hex]6[HexNAc]5[NeuNAc]1
	2+	1789.6837	1789.7296	26	LREQYNK	[Hex]6[HexNAc]6[Fuc]1[NeuNAc]1
	2+	1826.7809	1826.7480	18	LREQYNK	[Hex]7[HexNAc]7[Fuc]1
	3+	907.0515	907.0532	2	LREQYNK	[Hex]5[HexNAc]4[Fuc]1
	3+	1168.7877	1168.8099	19	LREQYNK	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1222.8331	1222.8275	5	LREQYNK	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1387.5217	1387.5524	22	LREQYNK	[Hex]6[HexNAc]6[Fuc]1[NeuNAc]3
	3+	1261.1987	1261.1819	13	LREQYNK	[Hex]6[HexNAc]7[Fuc]1[NeuNAc]1
	3+	1150.4857	1150.4746	10	LREQYNK	[Hex]7[HexNAc]6[Fuc]1
	3+	1247.5245	1247.5064	15	LREQYNK	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1344.5406	1344.5382	2	LREQYNK	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]2
	3+	1441.5519	1441.5700	13	LREQYNK	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]3
	3+	1296.1853	1296.1924	5	LREQYNK	[Hex]7[HexNAc]6[Fuc]2[NeuNAc]1
	3+	1315.2078	1315.1996	6	LREQYNK	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]1
	3+	1606.3604	1606.2950	41	LREQYNK	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]4
	3+	1369.2051	1369.2172	9	LREQYNK	[Hex]8[HexNAc]7[Fuc]1[NeuNAc]1

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	1+	749.4287	749.4304	2	TIVFNR	non-glycosylated
	1+	952.5214	952.5098	12	TIVFNR	[HexNAc]
	2+	821.3778	821.3775	0.4	TIVFNR	[Hex]3[HexNAc]2
	2+	902.4031	902.4039	1	TIVFNR	[Hex]4[HexNAc]2
	2+	983.4291	983.4303	1	TIVFNR	[Hex]5[HexNAc]2
	2+	1064.4565	1064.4567	0.2	TIVFNR	[Hex]6 [HexNAc]2
	2+	1084.9640	1084.9700	6	TIVFNR	[Hex]5[HexNAc]3
	2+	1165.9936	1165.9964	2	TIVFNR	[Hex]6[HexNAc]3
	2+	1311.5591	1311.5441	11	TIVFNR	[Hex]6[HexNAc]3[NeuNAc]1
	2+	1145.4829	1145.4831	0.2	TIVFNR	[Hex]7[HexNAc]2
	2+	1226.5116	1226.5095	2	TIVFNR	[Hex]8[HexNAc]2
	2+	1307.5725	1307.5359	28	TIVFNR	[Hex]9[HexNAc]2
C3-V4	3+	1444.5280	1444.5672	27	SSGGDPEIVMYSFNCGGEFFYCNSTK	[Hex]6[HexNAc]2
	3+	1498.6268	1498.5848	28	SSGGDPEIVMYSFNCGGEFFYCNSTK	[Hex]7[HexNAc]2
	3+	1552.6055	1552.6024	2	SSGGDPEIVMYSFNCGGEFFYCNSTK	[Hex]8[HexNAc]2
	3+	1606.6243	1606.6200	3	SSGGDPEIVMYSFNCGGEFFYCNSTK	[Hex]9[HexNAc]2
V4	2+	1282.0663	1282.0471	15	LFNSTWPWNDTK	[Hex]4[HexNAc]2
	2+	1363.0696	1363.0735	3	LFNSTWPWNDTK	[Hex]5[HexNAc]2
	2+	1444.0971	1444.0999	2	LFNSTWPWNDTK	[Hex]6[HexNAc]2
	2+	1525.1272	1525.1263	1	LFNSTWPWNDTK	[Hex]7[HexNAc]2
	2+	1606.1508	1606.1527	1	LFNSTWPWNDTK	[Hex]8[HexNAc]2
V4-C4	2+	756.8773	756.8803	4	GSHDTNGTLILPCK	non-glycosylated
	2+	858.4219	858.4170	6	GSHDTNGTLILPCK	[HexNAc]
	2+	931.4557	931.4460	10	GSHDTNGTLILPCK	[HexNAc][Fuc]
	2+	1203.0349	1203.0360	1	GSHDTNGTLILPCK	[Hex]3[HexNAc]2
	2+	1276.0532	1276.0649	9	GSHDTNGTLILPCK	[Hex]3[HexNAc]2[Fuc]1
	2+	1304.5864	1304.5757	8	GSHDTNGTLILPCK	[Hex]3[HexNAc]3
	2+	1377.6095	1377.6046	4	GSHDTNGTLILPCK	[Hex]3[HexNAc]3[Fuc]1
	2+	1406.1141	1406.1153	1	GSHDTNGTLILPCK	[Hex]3[HexNAc]4
	2+	1479.1352	1479.1443	6	GSHDTNGTLILPCK	[Hex]3[HexNAc]4[Fuc]1
	2+	1507.6347	1507.6551	14	GSHDTNGTLILPCK	[Hex]3[HexNAc]5
	2+	1580.6837	1580.6840	0.2	GSHDTNGTLILPCK	[Hex]3[HexNAc]5[Fuc]1
	2+	1284.0707	1284.0624	6	GSHDTNGTLILPCK	[Hex]4[HexNAc]2
	2+	1385.5919	1385.6021	7	GSHDTNGTLILPCK	[Hex]4[HexNAc]3
	2+	1458.6236	1458.6310	5	GSHDTNGTLILPCK	[Hex]4[HexNAc]3[Fuc]1
	2+	1604.1829	1604.1787	3	GSHDTNGTLILPCK	[Hex]4[HexNAc]3[Fuc]1[NeuNAc]1
	2+	1487.1365	1487.1418	4	GSHDTNGTLILPCK	[Hex]4[HexNAc]4
	2+	1560.1731	1560.1707	2	GSHDTNGTLILPCK	[Hex]4[HexNAc]4 [Fuc]1
	2+	1705.7099	1705.7184	5	GSHDTNGTLILPCK	[Hex]4[HexNAc]4[Fuc]1[NeuNAc]1
	2+	1632.6696	1632.6895	12	GSHDTNGTLILPCK	[Hex]4[HexNAc]4[NeuNAc]1
	2+	1588.6894	1588.6815	5	GSHDTNGTLILPCK	[Hex]4[HexNAc]5
	2+	1661.7139	1661.7103	2	GSHDTNGTLILPCK	[Hex]4[HexNAc]5[Fuc]1
	2+	1807.2346	1807.2581	13	GSHDTNGTLILPCK	[Hex]4[HexNAc]5[Fuc]1[NeuNAc]1
	2+	1734.2604	1734.2292	18	GSHDTNGTLILPCK	[Hex]4[HexNAc]5[NeuNAc]1
	2+	1835.7676	1835.7689	1	GSHDTNGTLILPCK	[Hex]4[HexNAc]6[NeuNAc]1
	2+	1365.0878	1365.0888	1	GSHDTNGTLILPCK	[Hex]5[HexNAc]2
	2+	1466.6329	1466.6285	3	GSHDTNGTLILPCK	[Hex]5[HexNAc]3

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	2+	1612.1871	1612.1762	7	GSHDTNGTLILPCK	[Hex]5[HexNAc]3[NeuNAc]1
	2+	1539.6558	1539.6574	1	GSHDTNGTLILPCK	[Hex]5[HexNAc]3[Fuc]1
	2+	1685.1931	1685.2051	7	GSHDTNGTLILPCK	[Hex]5[HexNAc]3[Fuc]1[NeuNAc]1
	2+	1757.6895	1757.7239	20	GSHDTNGTLILPCK	[Hex]5[HexNAc]3[NeuNAc]2
	2+	1568.1674	1568.1682	1	GSHDTNGTLILPCK	[Hex]5[HexNAc]4
	2+	1641.1888	1641.1971	5	GSHDTNGTLILPCK	[Hex]5[HexNAc]4[Fuc]1
	2+	1786.7403	1786.7448	3	GSHDTNGTLILPCK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	2+	1932.3032	1932.3055	6	GSHDTNGTLILPCK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]2
	2+	1713.7120	1713.7159	2	GSHDTNGTLILPCK	[Hex]5[HexNAc]4[NeuNAc]1
	2+	1669.6997	1669.7079	5	GSHDTNGTLILPCK	[Hex]5[HexNAc]5
	2+	1742.7342	1742.7368	1	GSHDTNGTLILPCK	[Hex]5[HexNAc]5[Fuc]1
	2+	1888.2955	1888.2845	6	GSHDTNGTLILPCK	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]1
	2+	1815.7635	1815.7658	1	GSHDTNGTLILPCK	[Hex]5[HexNAc]5[Fuc]2
	2+	1771.2470	1771.2476	0.3	GSHDTNGTLILPCK	[Hex]5[HexNAc]6
	2+	1917.2904	1917.3055	8	GSHDTNGTLILPCK	[Hex]5[HexNAc]6[Fuc]2
	2+	1446.0869	1446.1152	20	GSHDTNGTLILPCK	[Hex]6[HexNAc]2
	2+	1547.6678	1547.6549	8	GSHDTNGTLILPCK	[Hex]6[HexNAc]3
	2+	1620.6868	1620.6838	2	GSHDTNGTLILPCK	[Hex]6[HexNAc]3[Fuc]1
	2+	1693.2214	1693.2026	11	GSHDTNGTLILPCK	[Hex]6[HexNAc]3[NeuNAc]1
	2+	1649.2156	1649.1946	13	GSHDTNGTLILPCK	[Hex]6[HexNAc]4
	2+	1722.2315	1722.2235	5	GSHDTNGTLILPCK	[Hex]6[HexNAc]4[Fuc]1
	2+	1750.7284	1750.7343	3	GSHDTNGTLILPCK	[Hex]6[HexNAc]5
	2+	1823.7645	1823.7632	1	GSHDTNGTLILPCK	[Hex]6[HexNAc]5[Fuc]1
	2+	1969.2988	1969.3109	6	GSHDTNGTLILPCK	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]1
	2+	1925.3001	1925.3029	1	GSHDTNGTLILPCK	[Hex]6[HexNAc]6[Fuc]1
	2+	1803.2822	1803.2499	18	GSHDTNGTLILPCK	[Hex]7[HexNAc]4[Fuc]1
	3+	1205.1817	1205.1745	6	GSHDTNGTLILPCK	[Hex]4[HexNAc]5[Fuc]1[NeuNAc]1
	3+	1302.2212	1302.2063	11	GSHDTNGTLILPCK	[Hex]4[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1156.4959	1156.4885	6	GSHDTNGTLILPCK	[Hex]4[HexNAc]5[NeuNAc]1
	3+	1175.8362	1175.8358	0.3	GSHDTNGTLILPCK	[Hex]4[HexNAc]6[Fuc]1
	3+	1272.8931	1272.8676	20	GSHDTNGTLILPCK	[Hex]4[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1288.5404	1288.5308	7	GSHDTNGTLILPCK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]2
	3+	1307.5422	1307.5640	3	GSHDTNGTLILPCK	[Hex]5[HexNAc]5[NeuNAc]2
	3+	1356.2401	1356.2239	12	GSHDTNGTLILPCK	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1210.4860	1210.5061	17	GSHDTNGTLILPCK	[Hex]5[HexNAc]5[NeuNAc]1
	3+	1229.8606	1229.8534	6	GSHDTNGTLILPCK	[Hex]5[HexNAc]6[Fuc]1
	3+	1375.2394	1375.2311	6	GSHDTNGTLILPCK	[Hex]5[HexNAc]6[NeuNAc]2
	3+	1196.8218	1196.8306	7	GSHDTNGTLILPCK	[Hex]6[HexNAc]4[NeuNAc]1
	3+	1313.2087	1313.2097	1	GSHDTNGTLILPCK	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]1
	3+	1410.2562	1410.2415	10	GSHDTNGTLILPCK	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1361.8962	1361.8957	0.4	GSHDTNGTLILPCK	[Hex]6[HexNAc]5[Fuc]2[NeuNAc]1
	3+	1264.5437	1264.5237	16	GSHDTNGTLILPCK	[Hex]6[HexNAc]5[NeuNAc]1
	3+	1235.1653	1235.1850	16	GSHDTNGTLILPCK	[Hex]6[HexNAc]6
	3+	1380.9072	1380.9028	3	GSHDTNGTLILPCK	[Hex]6[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1477.9320	1477.9346	2	GSHDTNGTLILPCK	[Hex]6[HexNAc]6[Fuc]1[NeuNAc]2
	3+	1497.2804	1497.2819	1	GSHDTNGTLILPCK	[Hex]6[HexNAc]7[Fuc]2[NeuNAc]1
	3+	1086.1683	1086.1233	41	GSHDTNGTLILPCK	[Hex]7[HexNAc]3
	3+	1337.9047	1337.8886	12	GSHDTNGTLILPCK	[Hex]7[HexNAc]6[Fuc]1
	3+	1434.9338	1434.9204	9	GSHDTNGTLILPCK	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1531.9798	1531.9522	18	GSHDTNGTLILPCK	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]2

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	3+	1405.5778	1405.5817	3	GSHDTNGTLILPCK	[Hex]7[HexNAc]7[Fuc]1
	3+	1502.6195	1502.6135	4	GSHDTNGTLILPCK	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]1
	3+	1424.5819	1424.5889	5	GSHDTNGTLILPCK	[Hex]7[HexNAc]8
	3+	1126.4556	1126.4654	9	GSHDTNGTLILPCK	[Hex]9[HexNAc]2
C4	1+	1537.8217	1537.7890	21	CSSNITGLLLTR	[HexNAc]
	2+	667.8621	667.8584	6	CSSNITGLLLTR	non-glycosylated
	2+	1114.0193	1114.0171	2	CSSNITGLLLTR	[Hex]3[HexNAc]2
	2+	1195.0481	1195.0435	4	CSSNITGLLLTR	[Hex]4[HexNAc]2
	2+	1276.0742	1276.0699	3	CSSNITGLLLTR	[Hex]5[HexNAc]2
	2+	1357.0935	1357.0963	2	CSSNITGLLLTR	[Hex]6[HexNAc]2
	2+	1438.1242	1438.1227	1	CSSNITGLLLTR	[Hex]7[HexNAc]2
	2+	1519.1513	1519.1491	1	CSSNITGLLLTR	[Hex]8[HexNAc]2
	2+	1600.1829	1600.1755	5	CSSNITGLLLTR	[Hex]9[HexNAc]2
C4-V5	2+	1151.4785	1151.4875	8	DGGYESNETDEIFRPGGGDMR	non-glycosylated
	2+	1699.1581	1699.1858	16	DGGYESNETDEIFRPGGGDMR	[Hex]3[HexNAc]3
	2+	1772.2165	1772.2147	1	DGGYESNETDEIFRPGGGDMR	[Hex]3[HexNAc]3[Fuc]1
	2+	1853.2506	1853.2411	5	DGGYESNETDEIFRPGGGDMR	[Hex]4[HexNAc]3[Fuc]1
	2+	1962.7677	1962.7783	5	DGGYESNETDEIFRPGGGDMR	[Hex]5[HexNAc]4
	3+	1181.7722	1181.8122	34	DGGYESNETDEIFRPGGGDMR	[Hex]3[HexNAc]3[Fuc]1
	3+	1249.5180	1249.5053	10	DGGYESNETDEIFRPGGGDMR	[Hex]3[HexNAc]4[Fuc]1
	3+	1317.1923	1317.1985	5	DGGYESNETDEIFRPGGGDMR	[Hex]3[HexNAc]5[Fuc]1
	3+	1384.8986	1384.8916	5	DGGYESNETDEIFRPGGGDMR	[Hex]3[HexNAc]6[Fuc]1
	3+	1303.5659	1303.5230	33	DGGYESNETDEIFRPGGGDMR	[Hex]4[HexNAc]4 [Fuc]1
	3+	1400.5404	1400.5548	10	DGGYESNETDEIFRPGGGDMR	[Hex]4[HexNAc]4[Fuc]1[NeuNAc]1
	3+	1371.2097	1371.2161	5	DGGYESNETDEIFRPGGGDMR	[Hex]4[HexNAc]5[Fuc]1
	3+	1565.2772	1565.2797	2	DGGYESNETDEIFRPGGGDMR	[Hex]4[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1173.4693	1173.4683	1	DGGYESNETDEIFRPGGGDMR	[Hex]5[HexNAc]2
	3+	1241.1986	1241.1615	30	DGGYESNETDEIFRPGGGDMR	[Hex]5[HexNAc]3
	3+	1357.5471	1357.5406	5	DGGYESNETDEIFRPGGGDMR	[Hex]5[HexNAc]4[Fuc]1
	3+	1454.5802	1454.5724	5	DGGYESNETDEIFRPGGGDMR	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	3+	1551.5835	1551.6042	13	DGGYESNETDEIFRPGGGDMR	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]2
	3+	1376.5611	1376.5477	10	DGGYESNETDEIFRPGGGDMR	[Hex]5[HexNAc]5
	3+	1425.2468	1425.2337	9	DGGYESNETDEIFRPGGGDMR	[Hex]5[HexNAc]5[Fuc]1
	3+	1522.2713	1522.2655	4	DGGYESNETDEIFRPGGGDMR	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]1
	3+	1492.9230	1492.9268	3	DGGYESNETDEIFRPGGGDMR	[Hex]5[HexNAc]6[Fuc]1
	3+	1589.9937	1589.9586	22	DGGYESNETDEIFRPGGGDMR	[Hex]5[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1227.5086	1227.4860	18	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]2
	3+	1556.9889	1556.9358	34	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]4[NeuNAc]2
	3+	1430.5986	1430.5653	30	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]5
	3+	1479.2691	1479.2513	12	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]5[Fuc]1
	3+	1576.2875	1576.2831	3	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]1
	3+	1673.3124	1673.3149	1	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]2
	3+	1770.3555	1770.3467	5	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]3
	3+	1527.6033	1527.5971	4	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]5[NeuNAc]1
	3+	1624.6544	1624.6289	16	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]5[NeuNAc]2

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	3+	1498.3008	1498.2584	28	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]6
	3+	1546.9467	1546.9444	1	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]6[Fuc]1
	3+	1643.9782	1643.9762	1	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1740.9297	1741.0080	45	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]6[Fuc]1[NeuNAc]2
	3+	1595.3426	1595.2903	33	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]6[NeuNAc]1
	3+	1614.6967	1614.6375	37	DGGYESNETDEIFRPGGGDMR	[Hex]6[HexNAc]7[Fuc]1
	3+	1281.5412	1281.5036	29	DGGYESNETDEIFRPGGGDMR	[Hex]7[HexNAc]2
	3+	1600.9737	1600.9620	7	DGGYESNETDEIFRPGGGDMR	[Hex]7[HexNAc]6[Fuc]1
	3+	1697.9822	1697.9938	7	DGGYESNETDEIFRPGGGDMR	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]1
	3+	1795.0104	1795.0256	8	DGGYESNETDEIFRPGGGDMR	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]2
	3+	1668.6626	1668.6551	4	DGGYESNETDEIFRPGGGDMR	[Hex]7[HexNAc]7[Fuc]1
	3+	1765.6729	1765.6869	8	DGGYESNETDEIFRPGGGDMR	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]1
	3+	1862.7033	1862.7187	8	DGGYESNETDEIFRPGGGDMR	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]2
	3+	1722.6417	1722.6728	18	DGGYESNETDEIFRPGGGDMR	[Hex]8 [HexNAc]7 [Fuc]1
	4+	1324.5127	1324.5170	3	DGGYESNETDEIFRPGGGDMR	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]1
	4+	1419.3100	1419.2949	11	DGGYESNETDEIFRPGGGDMR	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]3
	4+	1470.0669	1470.0648	1	DGGYESNETDEIFRPGGGDMR	[Hex]7[HexNAc]7[Fuc]1[NeuNAc]3
	4+	1361.0754	1361.0315	32	DGGYESNETDEIFRPGGGDMR	[Hex]7[HexNAc]7[Fuc]2[NeuNAc]1
	4+	1383.5983	1383.5395	42	DGGYESNETDEIFRPGGGDMR	[Hex]9[HexNAc]8[Fuc]1
	4+	1634.8601	1634.8813	13	DGGYESNETDEIFRPGGGDMRDNWR	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]4
gp41	2+	954.4780	954.4696	9	LICTTTPWNTSWSNK	non-glycosylated
	2+	1353.1510	1353.1325	14	EIDNYTGYYQLIEESQNQEK	non-glycosylated

Table 2. Glycopeptide Compositions of C.1086 gp140 ΔC obtained from LC/ESI-FTICR MS Analysis

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition	
C1	3+	1394.6697	1394.6415	20	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[HexNAc]	
	3+	1443.3461	1443.3292	12	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[HexNAc][Fuc]	
	4+	1259.0699	1259.0570	10	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]4[HexNAc]2	
	4+	1346.3445	1346.3413	2	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]4[HexNAc]3[Fuc]1	
	4+	1397.1188	1397.1111	6	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]4[HexNAc]4[Fuc]1	
	4+	1411.3855	1411.3665	13	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]4[HexNAc]5	
	4+	1447.9102	1447.8809	20	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]4[HexNAc]5[Fuc]1	
	4+	1498.6544	1498.6508	2	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]4[HexNAc]6[Fuc]1	
	4+	1571.5147	1571.4247	57	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]4[HexNAc]6[Fuc]1[NeuNAc]1	
	4+	1299.5717	1299.5701	1	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]2	
	4+	1350.3547	1350.3400	11	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]3	
	4+	1386.8629	1386.8545	6	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]3[Fuc]1	
	4+	1401.0685	1401.1098	29	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]4	
	4+	1437.6545	1437.6243	21	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]4[Fuc]1	
	4+	1510.4195	1510.3982	14	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1	
	4+	1583.1826	1583.1720	7	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]2	
	4+	1474.1735	1474.1388	24	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]4[Fuc]2	
	4+	1451.8779	1451.8797	1	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]5	
	4+	1488.4390	1488.3942	30	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]5[Fuc]1	
	4+	1561.1941	1561.1680	17	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]1	
	4+	1524.9536	1524.9086	30	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]5[Fuc]2	
	4+	1502.6304	1502.6495	13	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]6	
	4+	1539.1291	1539.1640	23	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]6[Fuc]1	
	4+	1390.8543	1390.8532	1	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]6[HexNAc]3	
	4+	1427.3926	1427.3677	17	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]6[HexNAc]3[Fuc]1	
	4+	1492.3849	1492.3929	5	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]6[HexNAc]5	
	4+	1528.9117	1528.9074	3	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]6[HexNAc]5[Fuc]1	
	4+	1601.6487	1601.6812	20	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]1	
	4+	1674.5011	1674.4551	27	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]2	
	4+	1579.7101	1579.6772	21	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]6[HexNAc]6[Fuc]1	
	4+	1518.6790	1518.6507	19	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]7[HexNAc]4[Fuc]1	
	5+	1231.5341	1231.5327	1	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]6[Fuc]1	
	5+	1289.7793	1289.7793	21	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]6[Fuc]1[NeuNAc]1	
	5+	1272.1455	1272.1485	2	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]5[HexNAc]7[Fuc]1	
	5+	1234.7590	1234.7316	22	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]6[HexNAc]6	
	5+	1304.5583	1304.5591	0.6	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]6[HexNAc]7[Fuc]1	
	5+	1362.7883	1362.7782	7	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWK	[Hex]6[HexNAc]7[Fuc]1[NeuNAc]1	
	6+	1457.7563	1457.6410	79	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWKNDMVEQMH EDIISLWDESLKPCVK	[Hex]9[HexNAc]2	
	6+	1530.6964	1530.8421	95	EVHNVWATHACVPTDNPQEMVLAVTENFNFMWKNDMVEQMH EDIISLWDESLKPCVK	[Hex]4[HexNAc]6[Fuc]1[NeuNAc]1	
	C1-V1	2+	816.9309	816.9260	6	LTPLCVTLNCTNVK	non-glycosylated
		2+	1263.1075	1263.0846	18	LTPLCVTLNCTNVK	[Hex]3[HexNAc]2
		2+	1364.6378	1364.6243	10	LTPLCVTLNCTNVK	[Hex]3[HexNAc]3
		2+	1344.1320	1344.1110	16	LTPLCVTLNCTNVK	[Hex]4[HexNAc]2
		2+	1445.6809	1445.6507	21	LTPLCVTLNCTNVK	[Hex]4[HexNAc]3
		2+	1518.7025	1518.6796	15	LTPLCVTLNCTNVK	[Hex]4[HexNAc]3[Fuc]1
2+		1620.2342	1620.2193	9	LTPLCVTLNCTNVK	[Hex]4[HexNAc]4 [Fuc]1	
2+		1721.7802	1721.7590	12	LTPLCVTLNCTNVK	[Hex]4[HexNAc]5[Fuc]1	
2+		1425.1412	1425.1374	3	LTPLCVTLNCTNVK	[Hex]5[HexNAc]2	
2+		1526.6880	1526.6771	7	LTPLCVTLNCTNVK	[Hex]5[HexNAc]3	
2+		1599.7180	1599.7060	8	LTPLCVTLNCTNVK	[Hex]5[HexNAc]3[Fuc]1	
2+		1628.2402	1628.2168	14	LTPLCVTLNCTNVK	[Hex]5[HexNAc]4	
2+		1701.2592	1701.2457	8	LTPLCVTLNCTNVK	[Hex]5[HexNAc]4[Fuc]1	
2+		1846.8033	1846.7934	5	LTPLCVTLNCTNVK	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1	
2+		1729.7954	1729.7565	22	LTPLCVTLNCTNVK	[Hex]5[HexNAc]5	
2+	1802.8144	1802.7854	16	LTPLCVTLNCTNVK	[Hex]5[HexNAc]5[Fuc]1		

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	2+	1506.1555	1506.1638	6	LTPLCVTLNCTNVK	[Hex]6[HexNAc]2
	2+	1607.7229	1607.7035	12	LTPLCVTLNCTNVK	[Hex]6[HexNAc]3
	2+	1680.7595	1680.7324	16	LTPLCVTLNCTNVK	[Hex]6[HexNAc]3[Fuc]1
	2+	1587.2130	1587.1902	14	LTPLCVTLNCTNVK	[Hex]7[HexNAc]2
	2+	1688.7367	1688.7299	4	LTPLCVTLNCTNVK	[Hex]7[HexNAc]3
	2+	1668.2261	1668.2166	6	LTPLCVTLNCTNVK	[Hex]8[HexNAc]2
V1-V2	3+	1594.7242	1594.6901	21	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]5[HexNAc]5[Fuc]1
	4+	1476.3842	1476.3764	5	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]6[HexNAc]9[Fuc]2
	4+	1328.0823	1328.0656	13	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]7[HexNAc]6[Fuc]1
	4+	1466.1271	1466.1198	5	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]7[HexNAc]8[Fuc]2
	4+	1516.8799	1516.8896	6	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]7[HexNAc]9[Fuc]2
	4+	1419.3376	1419.3487	4	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]8[HexNAc]7[Fuc]1
	5+	1192.7353	1192.7069	24	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]6[HexNAc]10[Fuc]1
	5+	1181.3269	1181.3026	21	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]6[HexNAc]9[Fuc]2
	5+	1181.3172	1181.3026	12	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]6[HexNAc]9[Fuc]2
	5+	1062.6519	1062.6540	2	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]7[HexNAc]6[Fuc]1
	5+	1173.1190	1173.0973	18	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]7[HexNAc]8[Fuc]2
	5+	1173.1181	1173.0973	18	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]7[HexNAc]8[Fuc]2
	5+	1213.7421	1213.7131	24	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]7[HexNAc]9[Fuc]2
	5+	1213.7258	1213.7131	10	LTPLCVTLNCTNVKGNESDT SEVMK	[Hex]7[HexNAc]9[Fuc]2
	2+	1253.5257	1253.4934	26	NCSFK	[Hex]3[HexNAc]6[Fuc]1
	2+	936.3208	936.3584	5	NCSFK	[Hex]5[HexNAc]2
	2+	1212.4930	1212.4668	22	NCSFK	[Hex]5[HexNAc]4[Fuc]1
	2+	1599.1688	1599.1905	14	LDVVPLNGNSSSSGEYR	[Hex]4[HexNAc]3[Fuc]1
	2+	1700.7783	1700.7302	28	LDVVPLNGNSSSSGEYR	[Hex]4[HexNAc]4 [Fuc]1
	2+	1505.6664	1505.6483	12	LDVVPLNGNSSSSGEYR	[Hex]5[HexNAc]2
	2+	1781.7481	1781.7566	5	LDVVPLNGNSSSSGEYR	[Hex]5[HexNAc]4[Fuc]1
	2+	1927.3232	1927.3043	10	LDVVPLNGNSSSSGEYR	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	2+	1883.3238	1883.2963	15	LDVVPLNGNSSSSGEYR	[Hex]5[HexNAc]5[Fuc]1
	2+	1586.6305	1586.6747	28	LDVVPLNGNSSSSGEYR	[Hex]6[HexNAc]2
	3+	1298.8553	1298.8808	20	LDVVPLNGNSSSSGEYR	[Hex]4[HexNAc]5[Fuc]1[NeuNAc]1
	3+	1285.2116	1285.2053	5	LDVVPLNGNSSSSGEYR	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	3+	1352.9254	1352.8984	20	LDVVPLNGNSSSSGEYR	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]1
	3+	1528.6548	1528.6268	18	LDVVPLNGNSSSSGEYR	[Hex]7 [HexNAc]6[Fuc]1 [NeuNAc]1
	3+	1625.6539	1625.6586	3	LDVVPLNGNSSSSGEYR	[Hex]7[HexNAc]6[Fuc]1[NeuNAc]2
V2-C2	1+	1893.8977	1893.8989	1	LINCNTSAITQACP	[HexNAc]
	2+	845.9200	845.9161	5	LINCNTSAITQACP	non-glycosylated
	2+	947.4595	947.4531	7	LINCNTSAITQACP	[HexNAc]
	2+	1020.5003	1020.4847	15	LINCNTSAITQACP	[HexNAc][Fuc]
	2+	845.9200	845.9161	5	LINCNTSAITQACP	non-glycosylated
	2+	1292.0762	1292.0747	1	LINCNTSAITQACP	[Hex]3[HexNAc]2
	2+	1393.6118	1393.6144	2	LINCNTSAITQACP	[Hex]3[HexNAc]3
	2+	1466.6397	1466.6434	3	LINCNTSAITQACP	[Hex]3[HexNAc]3[Fuc]1
	2+	1568.1863	1568.1830	2	LINCNTSAITQACP	[Hex]3[HexNAc]4[Fuc]1
	2+	1640.7029	1640.7018	1	LINCNTSAITQACP	[Hex]3[HexNAc]4[NeuNAc]1
	2+	1669.7028	1669.7228	12	LINCNTSAITQACP	[Hex]3[HexNAc]5[Fuc]1
	2+	1771.2435	1771.2625	11	LINCNTSAITQACP	[Hex]3[HexNAc]6[Fuc]1
	2+	1373.0961	1373.1012	4	LINCNTSAITQACP	[Hex]4[HexNAc]2
	2+	1474.6432	1474.6408	2	LINCNTSAITQACP	[Hex]4[HexNAc]3
	2+	1547.6700	1547.6698	0.1	LINCNTSAITQACP	[Hex]4[HexNAc]3[Fuc]1
	2+	1576.1823	1576.1732	6	LINCNTSAITQACP	[Hex]4[HexNAc]4
	2+	1649.2227	1649.2095	8	LINCNTSAITQACP	[Hex]4[HexNAc]4 [Fuc]1
	2+	1721.7273	1721.7282	1	LINCNTSAITQACP	[Hex]4[HexNAc]4[NeuNAc]1

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	2+	1677.6910	1677.7202	17	LINCNTSAITQACPK	[Hex]4[HexNac]5
	2+	1750.7589	1750.7491	6	LINCNTSAITQACPK	[Hex]4[HexNac]5[Fuc]1
	2+	1750.7796	1750.7492	17	LINCNTSAITQACPK	[Hex]4[HexNac]5[Fuc]1
	2+	1896.2941	1896.2969	1	LINCNTSAITQACPK	[Hex]4[HexNac]5[Fuc]1[NeuNac]1
	2+	1852.2774	1852.2888	6	LINCNTSAITQACPK	[Hex]4[HexNac]6[Fuc]1
	2+	1454.1176	1454.1275	7	LINCNTSAITQACPK	[Hex]5[HexNac]2
	2+	1555.6646	1555.6672	2	LINCNTSAITQACPK	[Hex]5[HexNac]3
	2+	1628.6904	1628.6962	4	LINCNTSAITQACPK	[Hex]5[HexNac]3[Fuc]1
	2+	1657.2068	1657.2069	0.1	LINCNTSAITQACPK	[Hex]5[HexNac]4
	2+	1730.2343	1730.2359	1	LINCNTSAITQACPK	[Hex]5[HexNac]4[Fuc]1
	2+	1875.7892	1875.7836	3	LINCNTSAITQACPK	[Hex]5[HexNac]4[Fuc]1[NeuNac]1
	2+	1802.8155	1802.7546	34	LINCNTSAITQACPK	[Hex]5[HexNac]4[NeuNac]1
	2+	1758.7464	1758.7466	0.1	LINCNTSAITQACPK	[Hex]5[HexNac]5
	2+	1831.7759	1831.7756	0.2	LINCNTSAITQACPK	[Hex]5[HexNac]5[Fuc]1
	2+	1933.3094	1933.3152	3	LINCNTSAITQACPK	[Hex]5[HexNac]6[Fuc]1
	2+	1535.1331	1535.1540	14	LINCNTSAITQACPK	[Hex]6[HexNac]2
	2+	1636.6862	1636.6936	5	LINCNTSAITQACPK	[Hex]6[HexNac]3
	2+	1709.7469	1709.7226	14	LINCNTSAITQACPK	[Hex]6[HexNac]3[Fuc]1
	2+	1811.2783	1811.2623	9	LINCNTSAITQACPK	[Hex]6[HexNac]4[Fuc]1
	2+	1912.8159	1912.8020	7	LINCNTSAITQACPK	[Hex]6[HexNac]5[Fuc]1
	2+	1616.2101	1616.1804	18	LINCNTSAITQACPK	[Hex]7[HexNac]2
	2+	1819.2732	1819.2597	7	LINCNTSAITQACPK	[Hex]7[HexNac]4
	2+	1697.2033	1697.2068	2	LINCNTSAITQACPK	[Hex]8[HexNac]2
	2+	1778.2050	1778.2332	16	LINCNTSAITQACPK	[Hex]9[HexNac]2
	3+	1264.5330	1264.5337	1	LINCNTSAITQACPK	[Hex]4[HexNac]5[Fuc]1[NeuNac]1
	3+	1361.5554	1361.5655	7	LINCNTSAITQACPK	[Hex]4[HexNac]5[Fuc]1[NeuNac]2
	3+	1283.5261	1283.5409	12	LINCNTSAITQACPK	[Hex]4[HexNac]6[NeuNac]1
	3+	1318.5619	1318.5513	8	LINCNTSAITQACPK	[Hex]5[HexNac]5[Fuc]1[NeuNac]1
	3+	1415.5227	1415.5831	43	LINCNTSAITQACPK	[Hex]5[HexNac]5[Fuc]1[NeuNac]2
	3+	1289.2201	1289.2126	6	LINCNTSAITQACPK	[Hex]5[HexNac]6[Fuc]1
	3+	1275.5305	1275.5371	5	LINCNTSAITQACPK	[Hex]6[HexNac]5[Fuc]1
	3+	1372.5772	1372.5689	6	LINCNTSAITQACPK	[Hex]6[HexNac]5[Fuc]1[NeuNac]1
	3+	1469.6312	1469.6007	21	LINCNTSAITQACPK	[Hex]6[HexNac]5[Fuc]1[NeuNac]2
	3+	1343.2458	1343.2302	12	LINCNTSAITQACPK	[Hex]6[HexNac]6[Fuc]1
	3+	1440.2803	1440.2620	13	LINCNTSAITQACPK	[Hex]6[HexNac]6[Fuc]1[NeuNac]1
	3+	1634.2914	1634.3256	21	LINCNTSAITQACPK	[Hex]6[HexNac]6[Fuc]1[NeuNac]3
	3+	1410.9356	1410.9233	9	LINCNTSAITQACPK	[Hex]6[HexNac]7[Fuc]1
	3+	1261.8821	1261.8616	16	LINCNTSAITQACPK	[Hex]7[HexNac]4[Fuc]1
	3+	1397.2477	1397.2478	0.1	LINCNTSAITQACPK	[Hex]7[HexNac]6[Fuc]1
	3+	1494.2720	1494.2796	5	LINCNTSAITQACPK	[Hex]7[HexNac]6[Fuc]1[NeuNac]1
	3+	1591.3314	1591.3114	13	LINCNTSAITQACPK	[Hex]7[HexNac]6[Fuc]1[NeuNac]2
	3+	1464.9316	1464.9409	6	LINCNTSAITQACPK	[Hex]7[HexNac]7[Fuc]1
	3+	1562.0029	1561.9727	19	LINCNTSAITQACPK	[Hex]7[HexNac]7[Fuc]1[NeuNac]1
	3+	1518.9853	1518.9586	18	LINCNTSAITQACPK	[Hex]8[HexNac]7[Fuc]1
	3+	1567.3238	1567.3044	12	LINCNTSAITQACPK	[Hex]8[HexNac]7[NeuNac]1
	3+	1437.6275	1437.5899	26	LINCNTSAITQACPK	[Hex]9[HexNac]5[Fuc]1
C2	1+	738.3123	738.3014	15	CNNK	[HexNac]
	2+	714.2841	714.2769	10	CNNK	[Hex]3[HexNac]2
	2+	795.3122	795.3033	11	CNNK	[Hex]4[HexNac]2
	2+	876.3323	876.3297	3	CNNK	[Hex]5[HexNac]2
	2+	957.3589	957.3561	3	CNNK	[Hex]6[HexNac]2
	2+	1038.3882	1038.3825	5	CNNK	[Hex]7[HexNac]2
	2+	1119.4048	1119.4089	4	CNNK	[Hex]8[HexNac]2
	2+	1200.4365	1200.4353	1	CNNK	[Hex]9[HexNac]2
	1+	1009.4554	1009.4520	3	TFNGTGPCR	non glycosylated
	1+	1212.5415	1212.5313	8	TFNGTGPCR	[HexNac]
	2+	505.2303	505.2296	1	TFNGTGPCR	non-glycosylated
	2+	1113.4431	1113.4410	2	TFNGTGPCR	[Hex]5[HexNac]2
	2+	1194.4726	1194.4675	4	TFNGTGPCR	[Hex]6[HexNac]2

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	2+	1275.5083	1275.4939	11	TFNGTGPCR	[Hex]7[HexNAc]2
	2+	1356.5282	1356.5203	6	TFNGTGPCR	[Hex]8[HexNAc]2
	2+	1437.5608	1437.5467	10	TFNGTGPCR	[Hex]9[HexNAc]2
	3+	1207.0045	1206.9889	13	NVSTVQCTHGIKPVPVSTQLL LNGSLAEEEEIIR	non-glycosylated
	4+	1371.6205	1371.6521	23	NVSTVQCTHGIKPVPVSTQLL LNGSLAEEEEIIR	[Hex]9[HexNAc]2
	4+	1513.6339	1513.7050	47	NVSTVQCTHGIKPVPVSTQLL LNGSLAEEEEIIR	[Hex]10[HexNAc]4
	4+	1594.6837	1594.7314	30	NVSTVQCTHGIKPVPVSTQLL LNGSLAEEEEIIR	[Hex]12[HexNAc]4
	4+	1635.2368	1635.2446	5	NVSTVQCTHGIKPVPVSTQLL LNGSLAEEEEIIR	[Hex]13[HexNAc]4
	5+	1340.8204	1340.8077	9	NVSTVQCTHGIKPVPVSTQLL LNGSLAEEEEIIR	[Hex]14[HexNAc]4
	5+	1373.2330	1373.2182	11	NVSTVQCTHGIKPVPVSTQLL LNGSLAEEEEIIR	[Hex]15[HexNAc]4
	5+	1405.6548	1405.6288	18	NVSTVQCTHGIKPVPVSTQLL LNGSLAEEEEIIR	[Hex]16[HexNAc]4
	5+	1438.0554	1438.0394	11	NVSTVQCTHGIKPVPVSTQLL LNGSLAEEEEIIR	[Hex]17[HexNAc]4
	5+	1470.3994	1470.4499	34	NVSTVQCTHGIKPVPVSTQLL LNGSLAEEEEIIR	[Hex]18[HexNAc]4
	1+	990.4890	990.4851	4	SENLTNNAK	non-glycosylated
	1+	1193.5656	1193.5590	6	SENLTNNAK	[HexNAc]
	2+	941.8973	941.9048	8	SENLTNNAK	[Hex]3[HexNAc]2
	2+	1022.9312	1022.9312	0	SENLTNNAK	[Hex]4[HexNAc]2
	2+	1103.9598	1103.9576	2	SENLTNNAK	[Hex]5[HexNAc]2
	2+	1205.4958	1205.4973	1	SENLTNNAK	[Hex]5[HexNAc]3
	2+	1184.9876	1184.9840	3	SENLTNNAK	[Hex]6[HexNAc]2
	2+	1286.5289	1286.5237	4	SENLTNNAK	[Hex]6[HexNAc]3
	2+	1266.0087	1266.0104	1	SENLTNNAK	[Hex]7[HexNAc]2
	2+	1367.5452	1367.5501	4	SENLTNNAK	[Hex]7[HexNAc]3
	2+	1347.0403	1347.0368	3	SENLTNNAK	[Hex]8[HexNAc]2
C2-V3	2+	1282.6946	1282.6717	18	TIIVHLNESVNIIVCTRPNNNTR	non-glycosylated
	3+	990.8458	990.8365	9	TIIVHLNESVNIIVCTRPNNNTR	[HexNAc]2
	3+	1609.7254	1609.7217	2	TIIVHLNESVNIIVCTRPNNNTR	[Hex]5[HexNAc]5[Fuc]1[NeuNAc]1
	3+	1904.4621	1904.4886	14	TIIVHLNESVNIIVCTRPNNNTR	[Hex]11[HexNAc]6[Fuc]1
	3+	1890.7743	1890.8131	21	TIIVHLNESVNIIVCTRPNNNTR	[Hex]12[HexNAc]5[Fuc]1
	3+	1958.5929	1958.5062	44	TIIVHLNESVNIIVCTRPNNNTR	[Hex]12[HexNAc]6[Fuc]1
	4+	1519.9215	1519.9013	13	TIIVHLNESVNIIVCTRPNNNTR	[Hex]12[HexNAc]7[Fuc]1
	4+	1509.7305	1509.6447	57	TIIVHLNESVNIIVCTRPNNNTR	[Hex]13[HexNAc]6[Fuc]1
	4+	1600.9471	1600.9277	12	TIIVHLNESVNIIVCTRPNNNTR	[Hex]14[HexNAc]7[Fuc]1
	4+	1469.1562	1469.1315	17	TIIVHLNESVNIIVCTRPNNNTR	[Hex]12[HexNAc]6[Fuc]1
	4+	1519.8966	1519.9013	3	TIIVHLNESVNIIVCTRPNNNTR	[Hex]12[HexNAc]7[Fuc]1
	4+	1458.8341	1458.8748	28	TIIVHLNESVNIIVCTRPNNNTR	[Hex]13[HexNAc]5[Fuc]1
	4+	1509.6629	1509.6447	12	TIIVHLNESVNIIVCTRPNNNTR	[Hex]13[HexNAc]6[Fuc]1
	4+	1560.4195	1560.4145	3	TIIVHLNESVNIIVCTRPNNNTR	[Hex]13[HexNAc]7[Fuc]1
	4+	1633.2486	1633.1884	37	TIIVHLNESVNIIVCTRPNNNTR	[Hex]13[HexNAc]7[Fuc]1[NeuNAc]1
	4+	1499.4001	1499.3880	8	TIIVHLNESVNIIVCTRPNNNTR	[Hex]14[HexNAc]5[Fuc]1
	4+	1550.1906	1550.1579	21	TIIVHLNESVNIIVCTRPNNNTR	[Hex]14[HexNAc]6[Fuc]1
	4+	1622.9858	1622.9611	15	TIIVHLNESVNIIVCTRPNNNTR	[Hex]14[HexNAc]6[Fuc]1[NeuNAc]1
	4+	1600.9013	1600.9277	16	TIIVHLNESVNIIVCTRPNNNTR	[Hex]14[HexNAc]7[Fuc]1
	4+	1673.7383	1673.7016	22	TIIVHLNESVNIIVCTRPNNNTR	[Hex]14[HexNAc]7[Fuc]1[NeuNAc]1
	3+	1763.1398	1763.1147	14.2	TIIVHLNESVNIIVCTRPNNNTRK	[Hex]11[HexNAc]4
V3-C3	1+	1200.5454	1200.5426	2	QAHCNINESK	non-glycosylated
	1+	1403.6344	1403.6165	13	QAHCNINESK	[HexNAc]
	2+	600.7751	600.7749	0.3	QAHCNINESK	non-glycosylated
	2+	702.3201	702.3119	12	QAHCNINESK	[HexNAc]
	2+	965.9174	965.9071	11	QAHCNINESK	[Hex]2[HexNAc]2
	2+	1046.9460	1046.9335	12	QAHCNINESK	[Hex]3[HexNAc]2
	2+	1127.9740	1127.9600	12	QAHCNINESK	[Hex]4[HexNAc]2
	2+	1208.9964	1208.9863	8	QAHCNINESK	[Hex]5[HexNAc]2

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Env Domain	Charge State	Experimental m/z
	2+	1290.0224	1290.0128	7	QAHCNINESK	[Hex]6[HexNAc]2
	2+	1371.0406	1371.0392	1	QAHCNINESK	[Hex]7[HexNAc]2
	2+	1452.0802	1452.0656	10	QAHCNINESK	[Hex]8[HexNAc]2
	2+	1813.2599	1813.2644	2	QAHCNINESKWNNTLQK	[Hex]7[HexNAc]2
	3+	1101.1538	1101.1435	9	QAHCNINESKWNNTLQK	[Hex]5[HexNAc]2
	3+	1168.8578	1168.8366	18	QAHCNINESKWNNTLQK	[Hex]5[HexNAc]3
	3+	1209.1856	1209.1787	6	QAHCNINESKWNNTLQK	[Hex]7[HexNAc]2
	3+	1222.8690	1222.8542	12	QAHCNINESKWNNTLQK	[Hex]6[HexNAc]3
	3+	1290.5695	1290.5473	17	QAHCNINESKWNNTLQK	[Hex]6[HexNAc]4
	3+	1344.5836	1344.5649	14	QAHCNINESKWNNTLQK	[Hex]7[HexNAc]4
	3+	1398.5856	1398.5825	2	QAHCNINESKWNNTLQK	[Hex]8[HexNAc]4
	3+	1452.6005	1452.6002	0.2	QAHCNINESKWNNTLQK	[Hex]9[HexNAc]4
	3+	1506.6206	1506.6177	2	QAHCNINESKWNNTLQK	[Hex]10[HexNAc]4
	3+	1560.6307	1560.6353	3	QAHCNINESKWNNTLQK	[Hex]11[HexNAc]4
	3+	1614.6661	1614.6529	8	QAHCNINESKWNNTLQK	[Hex]12[HexNAc]4
	3+	1668.6613	1668.6706	6	QAHCNINESKWNNTLQK	[Hex]13[HexNAc]4
	3+	1722.6771	1722.6882	6	QAHCNINESKWNNTLQK	[Hex]14[HexNAc]4
	3+	1776.7134	1776.7058	4	QAHCNINESKWNNTLQK	[Hex]15[HexNAc]4
	3+	1830.7353	1830.7233	7	QAHCNINESKWNNTLQK	[Hex]16[HexNAc]4
	3+	1884.7660	1884.7410	13	QAHCNINESKWNNTLQK	[Hex]17[HexNAc]4
C3	1+	903.4709	903.4683	3	WNNTLQK	non-glycosylated
	1+	1106.5367	1106.5422	5	WNNTLQK	[HexNAc]
	2+	898.3947	898.3964	2	WNNTLQK	[Hex]3[HexNAc]2
	2+	979.4308	979.4229	8	WNNTLQK	[Hex]4[HexNAc]2
	2+	1060.4566	1060.4492	7	WNNTLQK	[Hex]5[HexNAc]2
	2+	1162.0012	1161.9889	11	WNNTLQK	[Hex]5[HexNAc]3
	2+	1307.5603	1307.5366	18	WNNTLQK	[Hex]5[HexNAc]3[NeuNAc]1
	2+	1438.0827	1438.0973	10	WNNTLQK	[Hex]5[HexNAc]5[Fuc]1
	2+	1656.1812	1656.1637	11	WNNTLQK	[Hex]5[HexNAc]5[NeuNAc]2
	2+	1141.4739	1141.4757	2	WNNTLQK	[Hex]6[HexNAc]2
	2+	1242.9988	1243.0153	13	WNNTLQK	[Hex]6[HexNAc]3
	2+	1388.5888	1388.5630	19	WNNTLQK	[Hex]6[HexNAc]3[NeuNAc]1
	2+	1222.4997	1222.5021	2	WNNTLQK	[Hex]7[HexNAc]2
	2+	1324.0813	1324.0417	30	WNNTLQK	[Hex]7[HexNAc]3
	2+	1303.5190	1303.5285	7	WNNTLQK	[Hex]8[HexNAc]2
	2+	1384.5489	1384.5549	4	WNNTLQK	[Hex]9[HexNAc]2
C3-V4	2+	1045.9563	1045.9492	7	GEFFYCNTSDFLNGTYR	non-glycosylated
	2+	1654.1442	1654.1606	10	GEFFYCNTSDFLNGTYR	[Hex]5[HexNAc]2
	3+	1508.5996	1508.5838	10	GEFFYCNTSDFLNGTYR	[Hex]10[HexNAc]4
	3+	1562.6247	1562.6014	15	GEFFYCNTSDFLNGTYR	[Hex]11[HexNAc]4
	3+	1616.6165	1616.6190	2	GEFFYCNTSDFLNGTYR	[Hex]12[HexNAc]4
	3+	1670.6493	1670.6366	8	GEFFYCNTSDFLNGTYR	[Hex]13[HexNAc]4
	3+	1724.6838	1724.6542	17	GEFFYCNTSDFLNGTYR	[Hex]14[HexNAc]4
	3+	1778.6607	1778.6718	6	GEFFYCNTSDFLNGTYR	[Hex]15[HexNAc]4
	3+	1832.7039	1832.6894	8	GEFFYCNTSDFLNGTYR	[Hex]16[HexNAc]4
	3+	1886.6275	1886.7070	32	GEFFYCNTSDFLNGTYR	[Hex]17[HexNAc]4
V4	2+	1130.9861	1130.9636	20	NGTYNHTGR	[Hex]3[HexNAc]3[Fuc]1
	2+	1232.5459	1232.5032	35	NGTYNHTGR	[Hex]3[HexNAc]4[Fuc]1
	2+	1212.0058	1211.9900	13	NGTYNHTGR	[Hex]4[HexNAc]3[Fuc]1
	2+	1313.5396	1313.5297	8	NGTYNHTGR	[Hex]4[HexNAc]4 [Fuc]1
	2+	1292.9670	1293.0164	38	NGTYNHTGR	[Hex]5[HexNAc]3[Fuc]1
	2+	1394.5667	1394.5561	8	NGTYNHTGR	[Hex]5[HexNAc]4[Fuc]1
	2+	1540.1057	1540.1038	1	NGTYNHTGR	[Hex]5[HexNAc]4[Fuc]1[NeuNAc]1
	2+	1496.0887	1496.0958	5	NGTYNHTGR	[Hex]5[HexNAc]5[Fuc]1
	2+	1577.1243	1577.1222	1	NGTYNHTGR	[Hex]6[HexNAc]5[Fuc]1
	2+	1722.7267	1722.6699	33	NGTYNHTGR	[Hex]6[HexNAc]5[Fuc]1[NeuNAc]1
	2+	1678.6736	1678.6619	7	NGTYNHTGR	[Hex]6[HexNAc]6[Fuc]1

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	2+	1382.0713	1382.0402	23	NGTYNHTGR	[Hex]7[HexNac]3
	2+	1686.5797	1686.6593	47	NGTYNHTGR	[Hex]7[HexNac]6
	2+	1759.7112	1759.6883	13	NGTYNHTGR	[Hex]7[HexNac]6[Fuc]1
	3+	943.7288	943.7153	14	NGTYNHTGR	[Hex]4[HexNac]5[Fuc]1
	3+	949.0543	949.0470	8	NGTYNHTGR	[Hex]5[HexNac]5
	3+	1094.7839	1094.7647	18	NGTYNHTGR	[Hex]5[HexNac]5[Fuc]1[NeuNac]1
	3+	1065.4395	1065.4260	13	NGTYNHTGR	[Hex]5[HexNac]6[Fuc]1
	3+	1245.8571	1245.8141	35	NGTYNHTGR	[Hex]6[HexNac]5[Fuc]1[NeuNac]2
	3+	1342.8183	1342.8459	21	NGTYNHTGR	[Hex]6[HexNac]5[Fuc]1[NeuNac]3
	3+	1167.7907	1167.7895	1	NGTYNHTGR	[Hex]6[HexNac]6[NeuNac]1
	3+	1270.5169	1270.4931	19	NGTYNHTGR	[Hex]7[HexNac]6[Fuc]1[NeuNac]1
	3+	1367.5176	1367.5249	5	NGTYNHTGR	[Hex]7[HexNac]6[Fuc]1[NeuNac]2
	3+	1464.5866	1464.5567	20	NGTYNHTGR	[Hex]7[HexNac]6[Fuc]1[NeuNac]3
	3+	1241.1780	1241.1544	19	NGTYNHTGR	[Hex]7[HexNac]7[Fuc]1
	3+	1338.2001	1338.1861	10	NGTYNHTGR	[Hex]7[HexNac]7[Fuc]1[NeuNac]1
	3+	1295.1954	1295.1720	18	NGTYNHTGR	[Hex]8[HexNac]7[Fuc]1
V4-C4	1+	1411.6889	1411.6678	15	SSNGTITLQCK	[HexNac]
	1+	1557.7385	1557.7311	5	SSNGTITLQCK	[HexNac][Fuc]
	2+	1050.9639	1050.9592	4	SSNGTITLQCK	[Hex]3[HexNac]2
	2+	1152.5060	1152.4989	6	SSNGTITLQCK	[Hex]3[HexNac]3
	2+	1225.5300	1225.5279	2	SSNGTITLQCK	[Hex]3[HexNac]3[Fuc]1
	2+	1254.0374	1254.0386	1	SSNGTITLQCK	[Hex]3[HexNac]4
	2+	1327.0768	1327.0675	7	SSNGTITLQCK	[Hex]3[HexNac]4[Fuc]1
	2+	1399.5768	1399.5863	7	SSNGTITLQCK	[Hex]3[HexNac]4[NeuNac]1
	2+	1428.5698	1428.6073	26	SSNGTITLQCK	[Hex]3[HexNac]5[Fuc]1
	2+	1132.0072	1131.9857	19	SSNGTITLQCK	[Hex]4[HexNac]2
	2+	1233.5113	1233.5253	11	SSNGTITLQCK	[Hex]4[HexNac]3
	2+	1306.5697	1306.5543	12	SSNGTITLQCK	[Hex]4[HexNac]3[Fuc]1
	2+	1452.0991	1452.1020	2	SSNGTITLQCK	[Hex]4[HexNac]3[Fuc]1[NeuNac]1
	2+	1335.0647	1335.0650	0.2	SSNGTITLQCK	[Hex]4[HexNac]4
	2+	1408.0936	1408.0940	0.3	SSNGTITLQCK	[Hex]4[HexNac]4[Fuc]1
	2+	1553.6214	1553.6417	13	SSNGTITLQCK	[Hex]4[HexNac]4[Fuc]1[NeuNac]1
	2+	1480.6265	1480.6127	9	SSNGTITLQCK	[Hex]4[HexNac]4[NeuNac]1
	2+	1436.5484	1436.6047	39	SSNGTITLQCK	[Hex]4[HexNac]5
	2+	1509.6312	1509.6336	2	SSNGTITLQCK	[Hex]4[HexNac]5[Fuc]1
	2+	1582.1549	1582.1524	2	SSNGTITLQCK	[Hex]4[HexNac]5[NeuNac]1
	2+	1611.1700	1611.1733	2	SSNGTITLQCK	[Hex]4[HexNac]6[Fuc]1
	2+	1213.0134	1213.0120	1	SSNGTITLQCK	[Hex]5[HexNac]2
	2+	1314.5392	1314.5517	10	SSNGTITLQCK	[Hex]5[HexNac]3
	2+	1387.5813	1387.5807	0.4	SSNGTITLQCK	[Hex]5[HexNac]3[Fuc]1
	2+	1533.1279	1533.1284	0.3	SSNGTITLQCK	[Hex]5[HexNac]3[Fuc]1[NeuNac]1
	2+	1416.0878	1416.0914	3	SSNGTITLQCK	[Hex]5[HexNac]4
	2+	1561.6151	1561.6391	15	SSNGTITLQCK	[Hex]5[HexNac]4 [NeuNac]1
	2+	1489.1191	1489.1204	1	SSNGTITLQCK	[Hex]5[HexNac]4[Fuc]1
	2+	1634.6702	1634.6681	1	SSNGTITLQCK	[Hex]5[HexNac]4[Fuc]1[NeuNac]1
	2+	1780.2138	1780.2158	1	SSNGTITLQCK	[Hex]5[HexNac]4[Fuc]1[NeuNac]2
	2+	1517.6355	1517.6311	3	SSNGTITLQCK	[Hex]5[HexNac]5
	2+	1590.6588	1590.6601	1	SSNGTITLQCK	[Hex]5[HexNac]5[Fuc]1
	2+	1736.2029	1736.2078	3	SSNGTITLQCK	[Hex]5[HexNac]5[Fuc]1[NeuNac]1
	2+	1663.1710	1663.1788	5	SSNGTITLQCK	[Hex]5[HexNac]5[NeuNac]1
	2+	1793.7412	1793.7394	1	SSNGTITLQCK	[Hex]5[HexNac]7[Fuc]1
	2+	1294.0669	1294.0385	22	SSNGTITLQCK	[Hex]6[HexNac]2
	2+	1395.5896	1395.5781	8	SSNGTITLQCK	[Hex]6[HexNac]3
	2+	1468.6062	1468.6071	1	SSNGTITLQCK	[Hex]6[HexNac]3[Fuc]1
	2+	1541.1287	1541.1258	2	SSNGTITLQCK	[Hex]6[HexNac]3[NeuNac]1
	2+	1570.1493	1570.1468	2	SSNGTITLQCK	[Hex]6[HexNac]4[Fuc]1
	2+	1671.7148	1671.6865	17	SSNGTITLQCK	[Hex]6[HexNac]5[Fuc]1
	2+	1817.2692	1817.2342	19	SSNGTITLQCK	[Hex]6[HexNac]5[Fuc]1[NeuNac]1
	2+	1773.2267	1773.2262	0.3	SSNGTITLQCK	[Hex]6[HexNac]6[Fuc]1
	2+	1651.1571	1651.1732	10	SSNGTITLQCK	[Hex]7[HexNac]4[Fuc]1
	2+	1537.0838	1537.1177	22	SSNGTITLQCK	[Hex]9[HexNac]2

Env Domain	Charge State	Experimental m/z	Theoretical m/z	Mass Error (ppm)	Peptide Sequence	Glycan Composition
	2+	1617.6166	1617.7073	56	SSNGTITLQCKIK	[Hex]6[HexNac]4
	2+	1495.6842	1495.6544	19.9	SSNGTITLQCKIK	[Hex]7[HexNac]2
	2+	1576.7074	1576.6808	16.9	SSNGTITLQCKIK	[Hex]8[HexNac]2
C4	2+	1314.7243	1314.7069	13	AIYAPPIEGEITCNSNITGLLLLR	non-glycosylated
	2+	1416.2454	1416.2438	1	AIYAPPIEGEITCNSNITGLLLLR	[HexNac]
	3+	1174.2408	1174.2461	5	AIYAPPIEGEITCNSNITGLLLLR	[Hex]3[HexNac]2
	3+	1228.2596	1228.2637	3	AIYAPPIEGEITCNSNITGLLLLR	[Hex]4[HexNac]2
	3+	1282.2972	1282.2813	12	AIYAPPIEGEITCNSNITGLLLLR	[Hex]5[HexNac]2
	3+	1336.2822	1336.2989	12	AIYAPPIEGEITCNSNITGLLLLR	[Hex]6[HexNac]2
	3+	1390.3380	1390.3165	15	AIYAPPIEGEITCNSNITGLLLLR	[Hex]7[HexNac]2
	3+	1444.3408	1444.3341	5	AIYAPPIEGEITCNSNITGLLLLR	[Hex]8[HexNac]2
	3+	1498.3570	1498.3517	4	AIYAPPIEGEITCNSNITGLLLLR	[Hex]9[HexNac]2
C4-V5	3+	1467.6110	1467.5747	25	DGGQSNETNDTETFRPGGGDMR	[Hex]5[HexNac]4[Fuc]1[NeuNac]1
	3+	1589.2554	1589.2854	19	DGGQSNETNDTETFRPGGGDMR	[Hex]6[HexNac]5[Fuc]1[NeuNac]1
	3+	1589.2124	1589.2854	46	DGGQSNETNDTETFRPGGGDMR	[Hex]6[HexNac]5[Fuc]1[NeuNac]1
	3+	1559.9834	1559.9467	24	DGGQSNETNDTETFRPGGGDMR	[Hex]6[HexNac]6[Fuc]1
	3+	1808.0363	1808.0279	5	DGGQSNETNDTETFRPGGGDMR	[Hex]7[HexNac]6[Fuc]1[NeuNac]2
	3+	1686.9943	1686.9891	3	DGGQSNETNDTETFRPGGGDMR	[Hex]8[HexNac]7
gp41	2+	932.4607	932.4565	5	LICTTAVPWNSSWSNK	non-glycosylated
	2+	1033.9893	1033.9940	4	LICTTAVPWNSSWSNK	[HexNac]
	2+	1540.6498	1540.6679	12	LICTTAVPWNSSWSNK	[Hex]5[HexNac]2
	2+	1621.7143	1621.6943	12	LICTTAVPWNSSWSNK	[Hex]6[HexNac]2
	3+	1468.6654	1468.6169	33	LICTTAVPWNSSWSNK	[Hex]6[HexNac]7[Fuc]1
	3+	1400.9953	1400.9237	51	LICTTAVPWNSSWSNK	[Hex]6[HexNac]6[Fuc]1
	3+	1308.5377	1308.5517	11	LICTTAVPWNSSWSNK	[Hex]5[HexNac]4[Fuc]1[NeuNac]1
	2+	1824.2753	1824.2315	24	SQNEIWGNMTWMQWDR	[Hex]5[HexNac]3[Fuc]1
	3+	1284.1343	1284.1832	38	SQNEIWGNMTWMQWDR	[Hex]5[HexNac]4[Fuc]1
	3+	1381.1681	1381.2150	34	SQNEIWGNMTWMQWDR	[Hex]5[HexNac]4[Fuc]1[NeuNac]1
	2+	1350.0962	1350.0818	11	EINNYTNTIYR	[Hex]3[HexNac]4
	2+	1228.0729	1228.0289	36	EINNYTNTIYR	[Hex]4[HexNac]2
	2+	1548.1897	1548.1452	29	EINNYTNTIYR	[Hex]4[HexNac]3[Fuc]1[NeuNac]1
	2+	1309.0577	1309.0553	2	EINNYTNTIYR	[Hex]5[HexNac]2
	2+	1410.5980	1410.5950	2	EINNYTNTIYR	[Hex]5[HexNac]3
	2+	1483.6325	1483.6239	6	EINNYTNTIYR	[Hex]5[HexNac]3[Fuc]1
	2+	1585.1691	1585.1636	3	EINNYTNTIYR	[Hex]5[HexNac]4[Fuc]1
	2+	1491.6293	1491.6214	5	EINNYTNTIYR	[Hex]6[HexNac]3
	2+	1564.6446	1564.6503	4	EINNYTNTIYR	[Hex]6[HexNac]3[Fuc]1
	2+	1637.1576	1637.1691	7	EINNYTNTIYR	[Hex]6[HexNac]3[NeuNac]1
	2+	1552.1623	1552.1345	18	EINNYTNTIYR	[Hex]8[HexNac]2