

Phosphosite T15

MS/MS Fragmentation of **HHTEDTDENTQAAEIER**

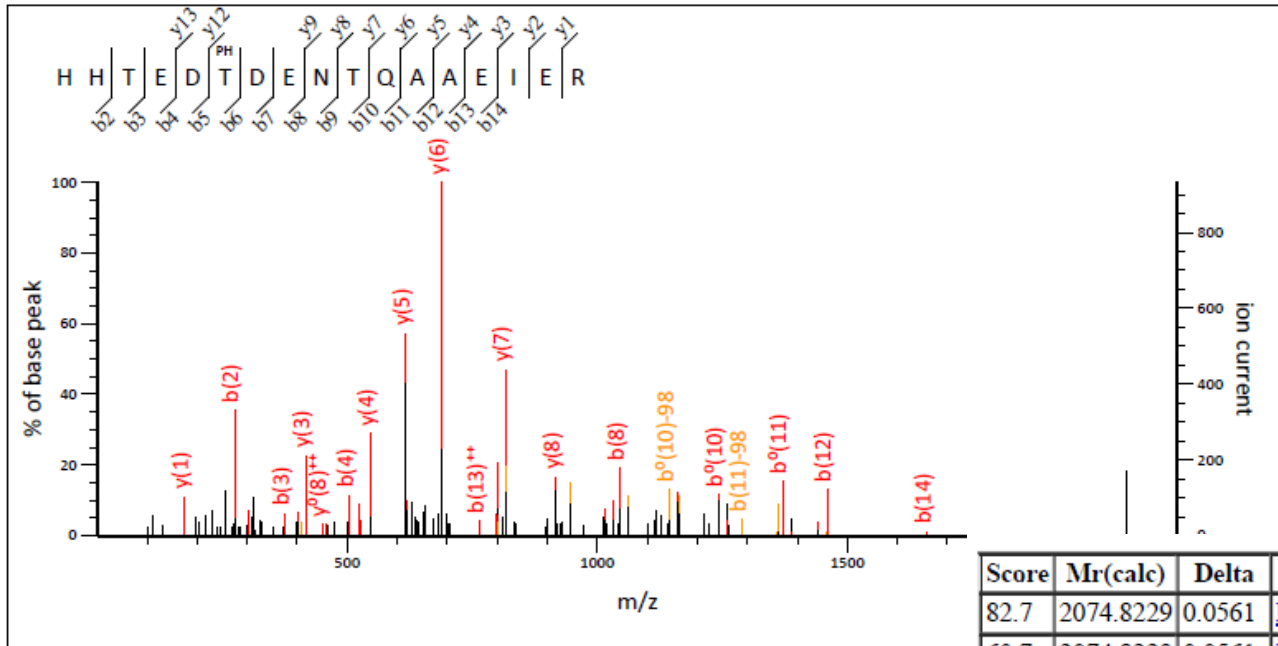
Found in **AT2G26300.1|PACid:19640861** in **At_TAIR10_crap**, G-protein alpha subunit, putative, expressed

Match to Query 4300: 2074.878972 from(692.633600,3+) rtinseconds(953) index(297)

Title: Locus:1.1.1.2500.5 File:"20170907_Haiyun_enriched.wiff"

Data file \\ad.unc.edu\cas\chemistry\share\Chem_HicksGroup\Lab_Members\Emily\2017 experiments\September

2017Jones\20170907_Haiyun_enriched.mgf



Score	Mr(calc)	Delta	Sequence	Site Analysis
82.7	2074.8229	0.0561	HHTEDTDENTQAAEIER	Phospho T6 99.36%
60.7	2074.8229	0.0561	HHTEDTDENTQAAEIER	Phospho T3 0.63%
44.1	2074.8229	0.0561	HHTEDTDENTQAAEIER	Phospho T10 0.01%
6.5	2074.9602	-0.0812	FLPDAAALAAVTSAAASQRR	
3.6	2074.7956	0.0834	ADSCLTGTDTGVSFLER	
3.6	2074.7956	0.0834	ADSCLTGTDTGVSFLER	
3.6	2074.7956	0.0834	ADSCLTGTDTGVSFLER	
3.6	2074.7956	0.0834	ADSCLTGTDTGVSFLER	
3.5	2074.9295	-0.0506	EQSDFHLGSKMLYERR	
3.4	2074.8579	0.0210	MNMSLLQTPSLLMYNK	

Phosphosite T19

MS/MS Fragmentation of **HHTEDTDENTQAAEIER**

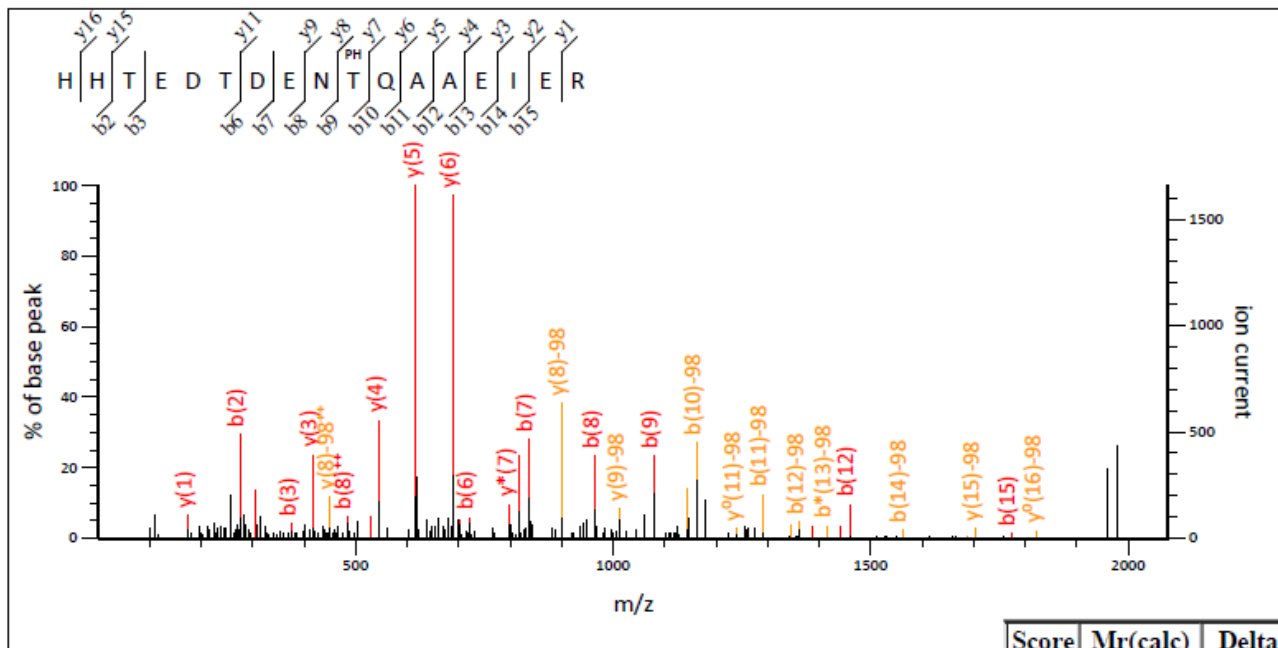
Found in **AT2G26300.1|PACid:19640861** in **At_TAIR10_crap**, G-protein alpha subunit, putative, expressed

Match to Query 4301: 2074.880652 from(692.634160,3+) rtinseconds(940) index(276)

Title: Locus:1.1.1.2494.5 File:"20170907_Haiyun_enriched.wiff"

Data file \\ad.unc.edu\cas\chemistry\share\Chem_HicksGroup\Lab_Members\Emily\2017 experiments\September

2017\Jones\20170907_Haiyun_enriched.mgf



Score	Mr(calc)	Delta	Sequence	Site Analysis
77.9	2074.8229	0.0578	HHTEDTDENTQAAEIER	Phospho T10 99.02%
57.8	2074.8229	0.0578	HHTEDTDENTQAAEIER	Phospho T6 0.97%
38.1	2074.8229	0.0578	HHTEDTDENTQAAEIER	Phospho T3 0.01%
5.0	2074.7956	0.0851	TSDTLIQTGYASDCQOK	
5.0	2074.7956	0.0851	TSDTLIQTGYASDCQOK	
3.8	2074.9126	-0.0319	DHKIQETFSLDGKIER	
3.7	2074.8892	-0.0085	QGSPPPAATDHSPTSRTMSR	
3.4	2074.9010	-0.0204	EKGSYYWVHGRDNITNR	
2.3	2074.8237	0.0570	LDPARPTVMESFLTNR	
2.3	2074.9198	-0.0391	DSORGIVEQAKSOSLNR	

Phosphosite S109

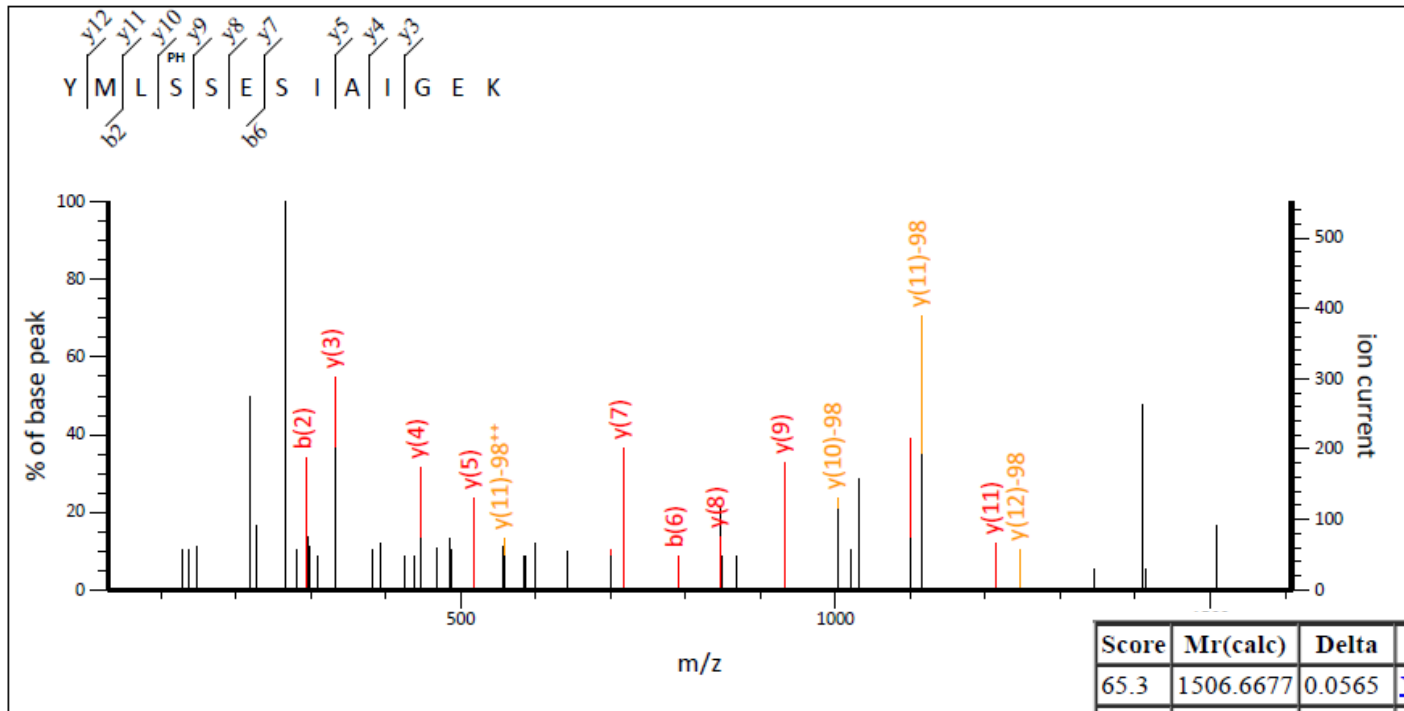
MS/MS Fragmentation of **YMLSSESIAGEK**

Found in **AT2G26300.1|PACid:19640861** in **At_TAIR10_crap**, G-protein alpha subunit, putative, expressed

Match to Query 1866: 1506.724188 from(754.369370,2+) rtinseconds(1527) index(3266)

Title: Locus:1.1.1.2747.8 File:"20170907_Haiyun_enriched.wiff"

Data file \\ad.unc.edu\cas\chemistry\share\Chem_HicksGroup\Lab_Members\Emily\2017 experiments\September 2017\Jones\20170907_Haiyun_enriched.mgf



Score	Mr(calc)	Delta	Sequence	Site Analysis
65.3	1506.6677	0.0565	YMLSSESIAGEK	Phospho S4 95.97%
51.5	1506.6677	0.0565	YMLSSESIAGEK	Phospho S5 3.99%
32.7	1506.6677	0.0565	YMLSSESIAGEK	
31.3	1506.6677	0.0565	YMLSSESIAGEK	Phospho S7 0.04%
8.4	1506.6724	0.0518	MFLVGLGRSMR	
7.2	1506.7443	-0.0201	TLLNESKTHASVK	
4.9	1506.7599	-0.0357	SDKIMSEISELOK	
4.4	1506.6976	0.0266	MGIYGVMTGKKGK	
0.6	1506.7847	-0.0605	TLPSYLGHLVSLK	

Phosphosite S112

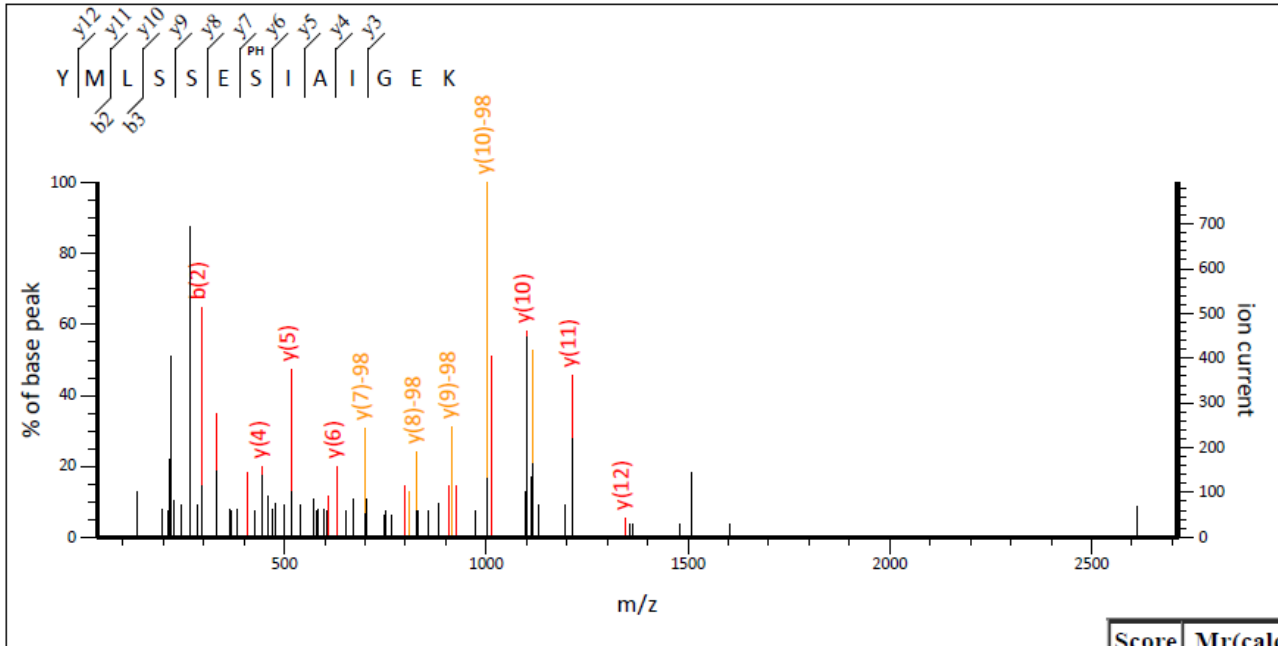
MS/MS Fragmentation of **YMLSESIAIGEK**

Found in **AT2G26300.1|PACid:19640861** in **At_TAIR10_crap**, G-protein alpha subunit, putative, expressed

Match to Query 1867: 1506.728708 from(754.371630,2+) rtinseconds(1466) index(2882)

Title: Locus:1.1.1.2721.12 File:"20170907_Haiyun_enriched.wiff"

Data file \\ad.unc.edu\cas\chemistry\share\Chem_HicksGroup\Lab_Members\Emily\2017 experiments\September 2017\Jones\20170907_Haiyun_enriched.mgf



Score	Mr(calc)	Delta	Sequence	Site Analysis
72.8	1506.6677	0.0610	YMLSESIAIGEK	Phospho S7 99.78%
45.9	1506.6677	0.0610	YMLSESIAIGEK	Phospho S5 0.21%
35.1	1506.6677	0.0610	YMLSESIAIGEK	Phospho S4 0.02%
6.8	1506.7976	-0.0689	MFLKAAAEELARDR	
5.4	1506.6677	0.0610	YMLSESIAIGEK	
5.0	1506.7725	-0.0438	VGGFRNVGKSMPSR	
3.9	1506.7752	-0.0465	SQLLSPPMAVFSK	
1.9	1506.6724	0.0563	MFLVGELGRSMR	
1.1	1506.6976	0.0312	MGIYGVMTGKKGK	
0.1	1506.7323	-0.0036	MMISTNLPHYLR	

Phosphosite S314 or S315

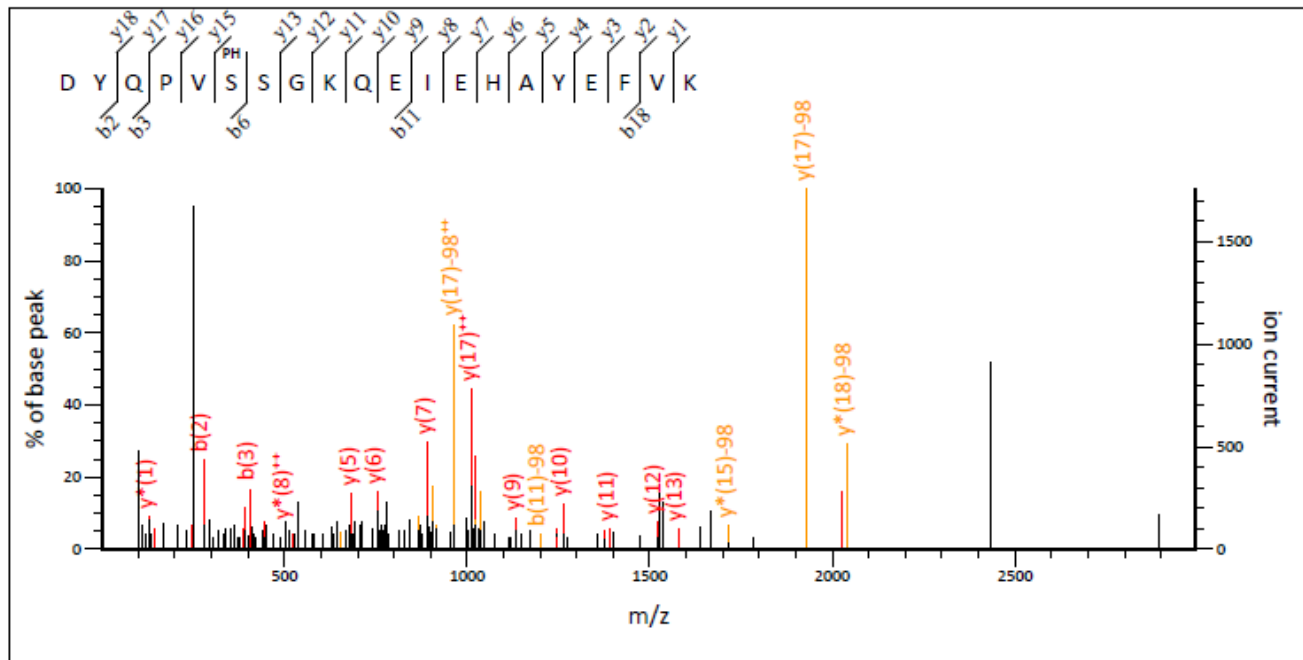
MS/MS Fragmentation of **DYQPVSSGKQEIEHAYEFVK**

Found in **AT2G26300.1|PACid:19640861** in **At_TAIR10_crap**, G-protein alpha subunit, putative, expressed

Match to Query 5495: 2433.195522 from(812.072450,3+) rtinseconds(1511) index(3152)

Title: Locus:1.1.1.2740.15 File:"20170907_Haiyun_enriched.wiff"

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Score	Mr(calc)	Delta	Sequence	Site Analysis
50.2	2433.0889	0.1066	DYQPVSSGKQEIEHAYEFVK	Phospho S6 54.78%
49.3	2433.0889	0.1066	DYQPVSSGKQEIEHAYEFVK	Phospho S7 44.32%
30.4	2433.0889	0.1066	DYQPVSSGKQEIEHAYEFVK	

Phosphosite S314 or S315

MS/MS Fragmentation of **DYQPVSSGKQEIEHAYEFVK**

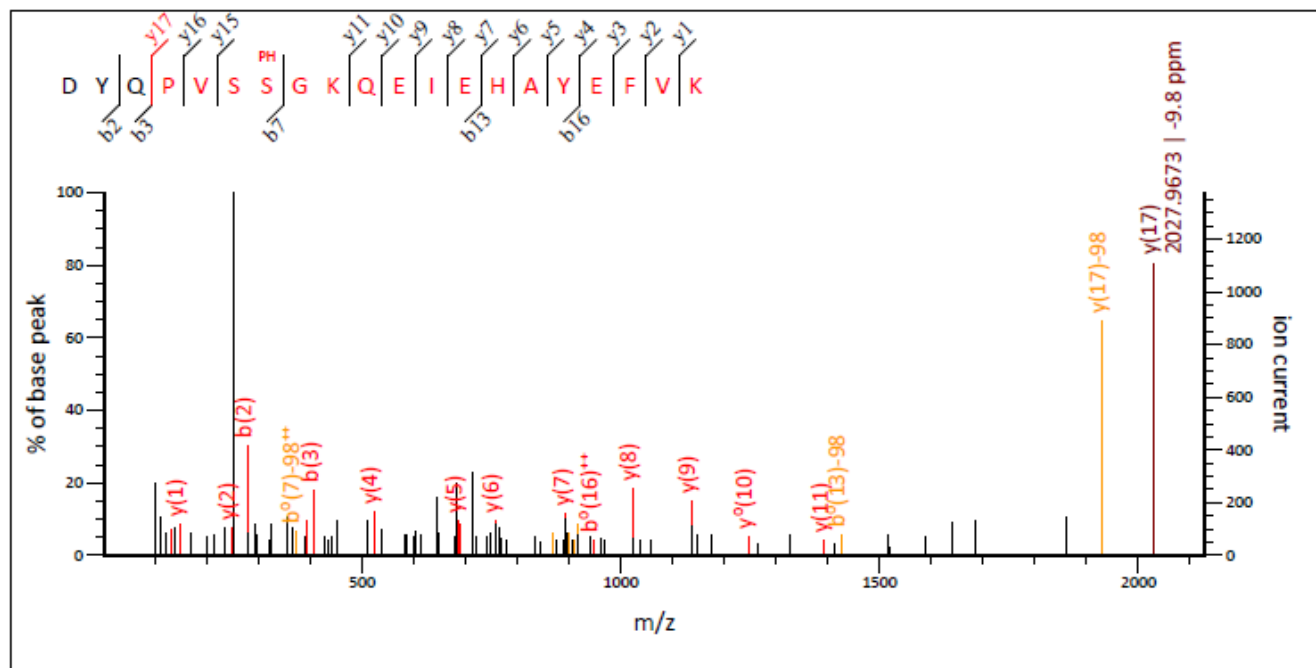
Found in **AT2G26300.1|PACid:19640861** in **At_TAIR10_crap**, G-protein alpha subunit, putative, expressed

Match to Query 5493: 2433.137656 from(609.291690,4+) rtinseconds(1510) index(3140)

Title: Locus:1.1.1.2740.3 File:"20170907_Haiyun_enriched.wiff"

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2017\Jones\20170907_Haiyun_enriched.mgf



Score	Mr(calc)	Delta	Sequence	Site Analysis
38.5	2433.0889	0.0487	DYQPVSSGKQEIEHAYEFVK	Phospho S7 49.99%
38.5	2433.0889	0.0487	DYQPVSSGKQEIEHAYEFVK	Phospho S6 49.99%
25.2	2433.0889	0.0487	DYQPVSSGKQEIEHAYEFVK	
2.3	2433.0354	0.1022	LHSALSTWGVVQVMNHGITK	