

# Mascot Search Results

## Peptide View

MS/MS Fragmentation of **EAELEMYAEGHGNSGDR**

Found in **gi|15235059**, brassinosteroid insensitive 1 (BRI1) [Arabidopsis thaliana]

Match to Query 271: 1959.598248 from(980.806400,2+)

Sum of 2 scans in range 1374 (rt=1543.15, f=2, i=53) to 1375 (rt=1544.28, f=2, i=54) [C:\Jason\Clouse\ue2003120303.raw]

From data file C:\Jason\Clouse\ue2003120303.mgf

Click mouse within plot area to zoom in by factor of two about that point

Or,  to  Da

**Monoisotopic mass of neutral peptide Mr(calc):** 1959.7305

**Variable modifications:**

**M6** : Oxidation (M)

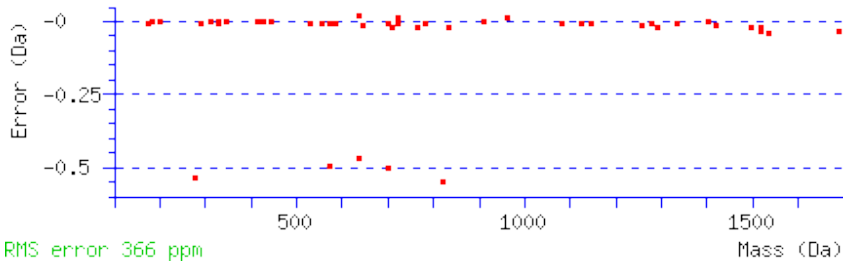
**S14** : Phospho (ST)

**Ions Score:** 69 **Expect:** 0.00075

**Matches (Bold Red):** 45/166 fragment ions using 83 most intense peaks

#	b	b <sup>++</sup>	b <sup>*</sup>	b <sup>*++</sup>	b <sup>0</sup>	b <sup>0++</sup>	Seq.	y	y <sup>++</sup>	y <sup>*</sup>	y <sup>*++</sup>	y <sup>0</sup>	y <sup>0++</sup>	#
1	130.0499	65.5286			112.0393	56.5233	E							17
2	<b>201.0870</b>	101.0471			<b>183.0764</b>	92.0418	A	1733.7183	867.3628	1716.6918	858.8495	1715.7078	858.3575	16
3	<b>330.1296</b>	165.5684			<b>312.1190</b>	156.5631	E	1662.6812	<b>831.8443</b>	1645.6547	823.3310	1644.6707	<b>822.8390</b>	15
4	<b>443.2136</b>	222.1105			<b>425.2031</b>	213.1052	L	<b>1533.6386</b>	<b>767.3230</b>	<b>1516.6121</b>	758.8097	1515.6281	758.3177	14
5	<b>572.2562</b>	286.6317			<b>554.2457</b>	<b>277.6265</b>	E	<b>1420.5546</b>	<b>710.7809</b>	1403.5280	702.2677	<b>1402.5440</b>	<b>701.7756</b>	13
6	719.2916	360.1494			<b>701.2811</b>	351.1442	M	<b>1291.5120</b>	<b>646.2596</b>	1274.4854	<b>637.7464</b>	1273.5014	<b>637.2544</b>	12
7	882.3549	441.6811			864.3444	432.6758	Y	<b>1144.4766</b>	<b>572.7419</b>	1127.4500	564.2287	<b>1126.4660</b>	563.7367	11
8	953.3921	477.1997			935.3815	468.1944	A	981.4133	491.2103	964.3867	482.6970	<b>963.4027</b>	482.2050	10
9	<b>1082.4346</b>	541.7210			1064.4241	532.7157	E	<b>910.3762</b>	455.6917	893.3496	447.1784	892.3656	446.6864	9
10	1139.4561	570.2317			1121.4455	561.2264	G	<b>781.3336</b>	391.1704	764.3070	382.6571	763.3230	382.1651	8

<b>11</b>	<b>1276.5150</b>	638.7611			<b>1258.5044</b>	629.7559	<b>H</b>	<b>724.3121</b>	362.6597	707.2856	354.1464	706.3015	353.6544	<b>7</b>
<b>12</b>	<b>1333.5365</b>	667.2719			1315.5259	658.2666	<b>G</b>	<b>587.2532</b>	294.1302	570.2266	285.6170	569.2426	285.1250	<b>6</b>
<b>13</b>	1447.5794	<b>724.2933</b>	1430.5529	715.7801	1429.5688	715.2881	<b>N</b>	<b>530.2317</b>	265.6195	513.2052	257.1062	512.2212	256.6142	<b>5</b>
<b>14</b>	<b>1516.6009</b>	758.8041	1499.5743	750.2908	<b>1498.5903</b>	749.7988	<b>S</b>	<b>416.1888</b>	208.5980	399.1623	200.0848	398.1782	199.5928	<b>4</b>
<b>15</b>	1573.6223	787.3148	1556.5958	778.8015	1555.6118	778.3095	<b>G</b>	<b>347.1673</b>	174.0873	<b>330.1408</b>	165.5740	329.1568	165.0820	<b>3</b>
<b>16</b>	<b>1688.6493</b>	844.8283	1671.6227	836.3150	1670.6387	835.8230	<b>D</b>	<b>290.1459</b>	145.5766	273.1193	137.0633	272.1353	136.5713	<b>2</b>
<b>17</b>							<b>R</b>	<b>175.1189</b>	88.0631	158.0924	79.5498			<b>1</b>



NCBI **BLAST** search of [EAELEMYAEGHGNSGDR](#)

(Parameters: blastp, nr protein database, expect=20000, no filter, PAM30)

Other BLAST [web gateways](#)

Mascot: <http://www.matrixscience.com/>