

Sup. Table 1

## Supplementary Table 1: Access to annotated spectra

## Information about columns in MS-Viewer:

Column 1	m/z
Column 2	charge (z)
Column 3	mzML filename
Column 4	running number
Column 5	scan number
Column 6	peptide sequence

Sup. Table for peptide information	Name of pepXML file deposited in PRIDE (see also data availability section of manuscript)	URL address to view annotated spectra in MS-Viewer
2	cryo1_acetyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=d0qyxdbqm&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=d0qyxdbqm&amp;search_name=msviewer</a>
2	cryo1_dimethyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=ndkd509mw&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=ndkd509mw&amp;search_name=msviewer</a>
2	cryo1_monomethyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=b1s053npsc&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=b1s053npsc&amp;search_name=msviewer</a>
2	cryo1_unmod.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=y63vlwfu5e&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=y63vlwfu5e&amp;search_name=msviewer</a>
3	cryo2_acetyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=1is7yesdfv&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=1is7yesdfv&amp;search_name=msviewer</a>
3	cryo2_dimethyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=6ekmbpp3&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=6ekmbpp3&amp;search_name=msviewer</a>
3	cryo2_monomethyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=iovog9lr73&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=iovog9lr73&amp;search_name=msviewer</a>
3	cryo2_unmod.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=5wva7mlldk&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=5wva7mlldk&amp;search_name=msviewer</a>
4	cryo3_acetyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=i0ftw90ac&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=i0ftw90ac&amp;search_name=msviewer</a>
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9	ctsl_vs_wt1_01.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=10bq mouecr&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=10bq mouecr&amp;search_name=msviewer</a>
9	ctsl_vs_wt1_02.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=cpyexjs1td&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=cpyexjs1td&amp;search_name=msviewer</a>
9	ctsl_vs_wt1_03.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=jcgua4xzw0&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=jcgua4xzw0&amp;search_name=msviewer</a>
9	ctsl_vs_wt1_04.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=zoht1xy7sx&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=zoht1xy7sx&amp;search_name=msviewer</a>
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9	ctsl_vs_wt1_06.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=xcict9gxp&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=xcict9gxp&amp;search_name=msviewer</a>
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11	ctsl_vs_wt3_01.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=melu0jvp5s&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=melu0jvp5s&amp;search_name=msviewer</a>
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11	ctsl_vs_wt3_04.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=lnlmyhlp5&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=lnlmyhlp5&amp;search_name=msviewer</a>
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5	ffpe1_acetyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=mbvehvjs7a&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=mbvehvjs7a&amp;search_name=msviewer</a>
5	ffpe1_dimethyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=ldqw2usmjn&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=ldqw2usmjn&amp;search_name=msviewer</a>

Sup. Table 1

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5	ffpe1_unmod.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=fpjsvwfdhf&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=fpjsvwfdhf&amp;search_name=msviewer</a>
6	ffpe2_acetyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=spbctohfmx&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=spbctohfmx&amp;search_name=msviewer</a>
6	ffpe2_dimethyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=cehjkdzcr&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=cehjkdzcr&amp;search_name=msviewer</a>
6	ffpe2_monomethyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=hwfukod1n3&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=hwfukod1n3&amp;search_name=msviewer</a>
6	ffpe2_unmod.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=pbd5ac5bnl&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=pbd5ac5bnl&amp;search_name=msviewer</a>
7	ffpe3_acetyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=spbctohfmx&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=spbctohfmx&amp;search_name=msviewer</a>
7	ffpe3_dimethyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=7rpyekhs0f&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=7rpyekhs0f&amp;search_name=msviewer</a>
7	ffpe3_monomethyl.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=3glfa2potq&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=3glfa2potq&amp;search_name=msviewer</a>
7	ffpe3_unmod.pepXML	<a href="http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=5grodyders&amp;search_name=msviewer">http://prospector2.ucsf.edu/prospector/cgi-bin/mssearch.cgi?report_title=MS-Viewer&amp;search_key=5grodyders&amp;search_name=msviewer</a>
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Sup. Table 1

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