

**Supplementary Table 1.** Sensitivity analysis of different tag generations methods for spectra of charge 3+ acquired using different mass spectrometry instruments. The analysis was performed with charge state determination function of InsPecT.

<b>Instrument</b>	<b># of Spectra</b>	<b>Sensitivity (%)</b>				
		<b>[01]</b>	<b>(03)(12)</b>	<b>(01)(23)</b>	<b>(03)(12), 1.0</b>	<b>(01)(23), 1.0</b>
QTOF	215	88.4	92.1	97.2	92.1	94.0
LTQ	748	93.9	95.6	96.5	95.6	96.7
LCQ	454	78.0	84.1	80.9	85.0	83.7
Agilent	1585	78.2	81.6	82.2	81.8	83.7