

Table S2. Covariance parameter estimates and Wald Z-test of light peptide data using Model 2.

Covariance Parameter	Estimate	Standard Error	Z Value	Probability > Z
<i>tech_replicate(study)</i>	0.0144	0.0145	0.99	0.1603
<i>site</i>	0.6983	0.4571	1.53	0.0633
<i>peptide</i>	0.7213	0.5477	1.32	0.0939
<i>transition(peptide)</i>	0.6995	0.2210	3.16	0.0008
<i>study*site</i>	0.2027	0.0893	2.27	0.0116
<i>study*peptide</i>	0.6181	0.2092	2.95	0.0016
<i>site*peptide</i>	0.1693	0.0493	3.44	0.0003
<i>study*transition(peptide)</i>	0.0537	0.0126	4.27	<.0001
<i>site*transition(peptide)</i>	0.0948	0.0135	7.04	<.0001
<i>study*site*peptide</i>	0.1605	0.0232	6.92	<.0001
<i>study*site*transition(peptide)</i>	0.0223	0.0034	6.65	<.0001
<i>residual</i>	0.7545	0.0054	139.22	<.0001