

<b>Design-based Quantification of Phospho-sites</b>		
<b>Source</b>		
<b>Name :</b>	Phosphos - Noco 500mM/Volacertib 500mM - Norm all	
<b>Location in myProMS :</b>	Camille Gelot > Phospho POLQ label free quantifi > Label Free Quantification	
<b>Design level :</b>	Experiment	
<b>Peptide XIC extraction engine :</b>	MassChroQ (v2.2.21)	
<b>Labeling :</b>	Label-free	
<b>Quantification parameters</b>		
<b>Quantification method :</b>	Protein ratio based on peptide intensity [Simple ratios - Software: myProMS-Quant v3.7]	
<b>State #1 :</b>	Volasertib - IP 500mM NaCl: 5 bio. rep. / 5 observations	<ul style="list-style-type: none"> <li>•X5134FD : XIC extraction 500mM</li> <li>•X5136FD : XIC extraction 500mM</li> <li>•X5138FD : XIC extraction 500mM</li> <li>•X5140FD : XIC extraction 500mM</li> <li>•X5142FD : XIC extraction 500mM</li> </ul>
<b>State #2 :</b>	Nocodazole - IP 500mM NaCl: 5 bio. rep. / 5 observations	<ul style="list-style-type: none"> <li>•X5133FD : XIC extraction 500mM</li> <li>•X5135FD : XIC extraction 500mM</li> <li>•X5137FD : XIC extraction 500mM</li> <li>•X5139FD : XIC extraction 500mM</li> <li>•X5141FD : XIC extraction 500mM</li> </ul>
<b>Peptide selection :</b>	<ul style="list-style-type: none"> <li>•Proteotypic peptides only.</li> <li>•Missed cleavage allowed.</li> <li>•No modifications allowed.</li> <li>•All charge states.</li> <li>•All sources.</li> <li>•Phospho-sites positions are confirmed if PhosphoRS probability</li> </ul>	
<b>Protein selection :</b>	All visible proteins	
<b>Bias correction :</b>	Median & Scale at peptide level	
<b>Infinite ratios :</b>	Not avoided	
<b>Created :</b>	Florent Dingli	
<b>Export settings</b>		
<b>Ratios exported :</b>	•Nocodazole - IP 500mM NaCl/Volacertib - IP 500mM NaCl	
<b>Fold change <math>\geq</math></b>	1.5 (INF=1000)	
<b>Adj. p-value <math>\leq</math></b>	1 (+/-INF allowed)	
<b>Coefficient of variation <math>\leq</math></b>	*No filter*	
<b>Peptides used for ratio <math>\geq</math></b>	1	
<b>Restrict to proteins in List :</b>	POLQ > POLQ	

6/22 sites 1/1 proteins	Gene & Synonyms	Nocodazole - IP 500mM NaCl/Volasertib - IP 500mM						Total peptides in set	MW (kDa)	Description	Species
		Ratio	Log2 (Ratio)	Adj. p- value	CV %	Dist. pept. used	Pept. used				
O75417-Phospho:S1628.S1639	POLQ,POLH	5,417754	2,4377			1	6	6	289,6	DNA polymerase theta	Homo sapiens
O75417-Phospho:S1289	POLQ,POLH	3,904248	1,965	0,400471	73,9	1	6	8	289,6	DNA polymerase theta	Homo sapiens
O75417-Phospho:T1755	POLQ,POLH	3,242029	1,6969	0,06346	26,9	1	7	8	289,6	DNA polymerase theta	Homo sapiens
O75417-Phospho:S1094*	POLQ,POLH	1,958174	0,9695	0,053612	28,4	1	9	10	289,6	DNA polymerase theta	Homo sapiens
O75417-Phospho:S1594	POLQ,POLH	1,900643	0,9265	0,001049	18,5	2	24	33	289,6	DNA polymerase theta	Homo sapiens
O75417-Phospho:S1436*	POLQ,POLH	1,887173	0,9162	0,115005	38,9	1	10	10	289,6	DNA polymerase theta	Homo sapiens
* Quantified only with re-extracted peptides by Match Between Runs (MBR)											
Table 4											