Supplementary Material

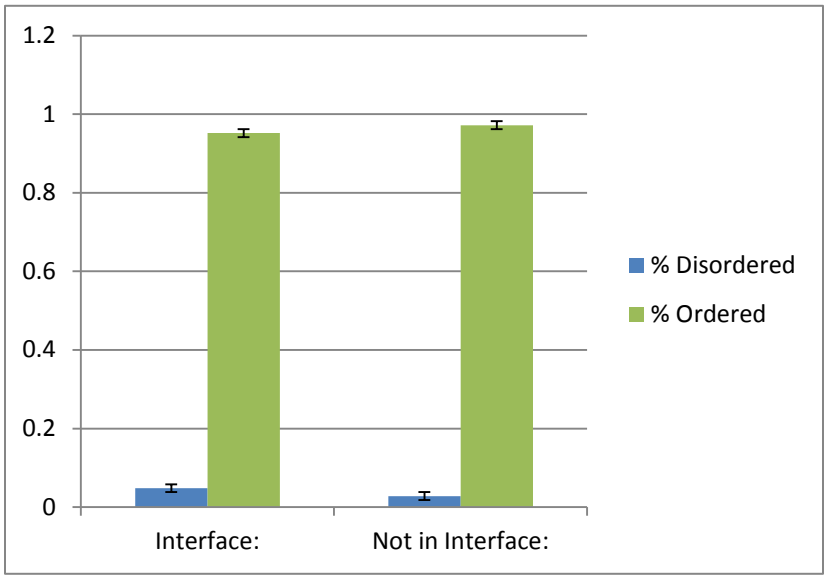
Table S1. P-values for Spearman correlation between phosphorylation, disorder, interface, and homo/heterooligomeric sites. Red cells mark positive significant correlations, blue cells mark negative significant correlations, and yellow cells represent insignificant correlations.

	Phospho	Disorder	Interface	Homo/Hetero
All				
Phospho	0.000	0.000	0.000	0.000
Disorder	0.000	0.000	0.000	0.115
Interface	0.000	0.000	0.000	0.000
Homo/Hetero	0.000	0.115	0.000	0.000
Ser				
Phospho	0.000	0.000	0.000	0.002
Disorder	0.000	0.000	0.000	0.889
Interface	0.000	0.000	0.000	0.000
Homo/Hetero	0.002	0.889	0.000	0.000
Thr				
Phospho	0.000	0.000	0.000	0.002
Disorder	0.000	0.000	0.000	0.000
Interface	0.000	0.000	0.000	0.000
Homo/Hetero	0.002	0.000	0.000	0.000
Tyr				
Phospho	0.000	0.000	0.000	0.096
Disorder	0.000	0.000	0.000	0.081
Interface	0.000	0.000	0.000	0.000
Homo/Hetero	0.096	0.081	0.000	0.000

Table S2. Contingency table of disorder, interface, and phosphorylation sites. The numbers of Ser, Thr, and Tyr in each category are shown in parenthesis. Non-interface residues include all residues with the exception of residues.

	Phosphorylation sites		Non-phosphorylation sites	
	Disorder	Order	Disorder	Order
Overall				
Interface	100	484	300	5920
(Ser/Thr/Tyr)	(59/26/15)	(143/110/231)	(154/106/40)	(2272/2000/1648)
Non-interface	148	1250	696	24155
(Ser/Thr/Tyr)	(94/39/15)	(488/297/465)	(395/238/63)	(10337/8727/5091)
Homooligomers				
Interface	29	153	120	2388
Non-interface	58	571	334	11444
Heterooligomers				
Interface	71	331	180	3532
Non-interface	90	679	362	12711

A



B

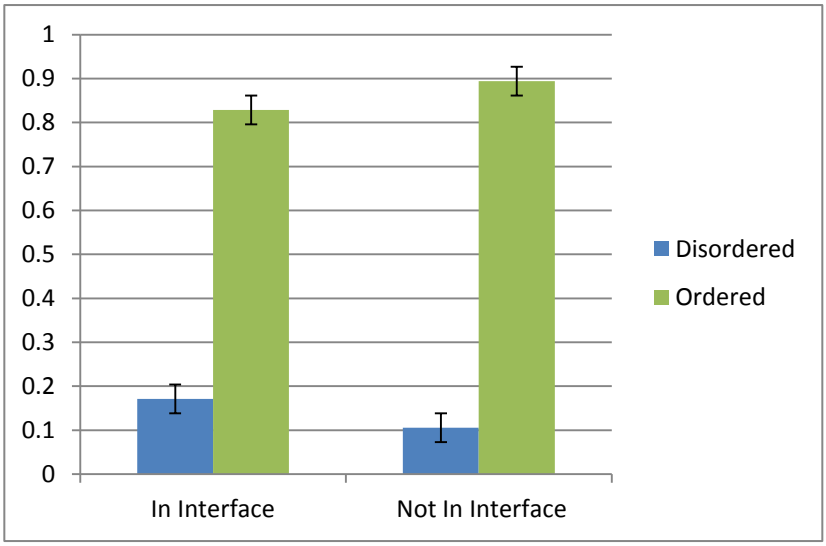


Figure S1. Percentage of disordered/ordered sites on interface and non-interface for non-phosphorylated sites (A) and phosphorylated sites (B).

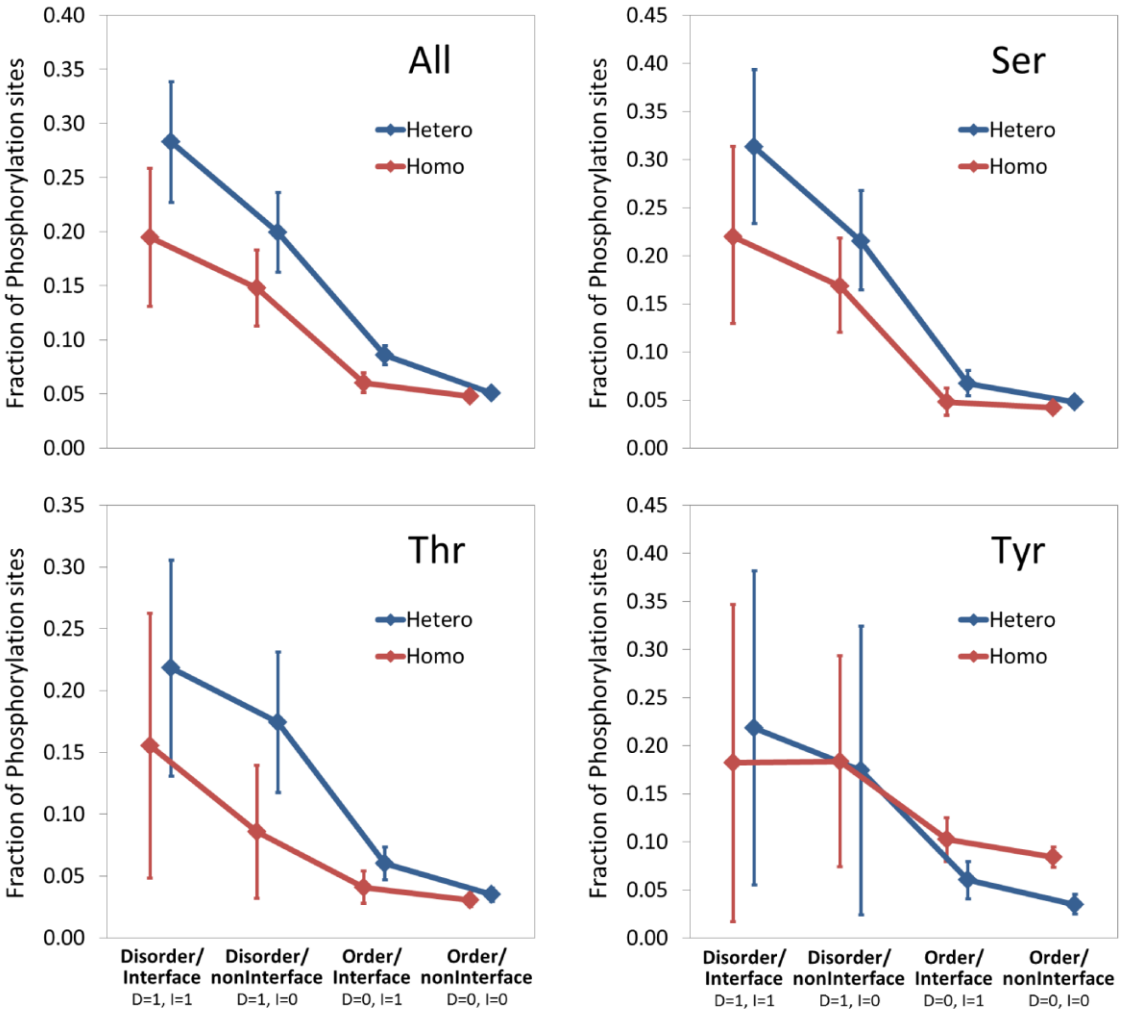


Figure S2: Fraction of phosphorylation sites plotted versus other variables for homo and heterooligomers for both solvent accessible and buried sites. Homo and heterooligomers are shown in red and blue, respectively.