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Table S1 Selected C and  $\sigma$  of 5 complete runs of the 5-fold cross-validation for RBF kernel based SVM

No. of Completes Run	Type of Phosphorylation					
	Phosphoserine		Phosphothreonine		Phosphotyrosine	
	C	σ	С	σ	С	$\sigma$
1 st	21	23	24	$2^{3}$	24	23
$2^{\rm nd}$	$2^{1}$	$2^3$	$2^{2}$	$2^{3}$	$2^{3}$	$2^2$
$3^{\rm rd}$	$2^{0}$	$2^{3}$	$2^{3}$	$2^{3}$	$2^{3}$	$2^3$
4 <sup>th</sup>	$2^{1}$	$2^3$	$2^{4}$	$2^3$	$2^3$	$2^{3}$
5 <sup>th</sup>	$2^1$	$2^3$	$2^3$	$2^3$	$2^2$	$2^3$