Supplementary Table S3: Performance of method/parameter combinations on the CSA dataset.

Within each group of predictors, the one with the highest AUC was awarded a point. In the case of ties, the point would be evenly split between the methods which performed equally well.

	A	R	N	D	С	Q	E	G	Н	Ι	L	K	M	F	Р	S	Т	W	Y	V	% win
Sequence													1			1/2					7.5
Sequence + bin	1	1	1		1	1		1	1	1	1	1		1	1	$^{1}/_{2}$	1				82.5
FEATURE													1		1						10
FEATURE 6-12-18	1	1	1	1	1	1	1	1	1	1	1	1		1		1	1	1	1	1	90
FEATURE 18																					-
No reduction					1			1/2										1	1		17.5
BLOSUM 15							1	$\frac{1}{2}$	1	1	1			1							27.5
BLOSUM 10		1														$^{1}/_{2}$	1				12.5
BLOSUM 8			1	1																1	15
BLOSUM 6															1	$^{1}/_{2}$					7.5
BLOSUM 5																					
BLOSUM 4	1/2																				2.5
BLOSUM 3	ļ .											1	1								10
BLOSUM 2	1/2					1															7.5
Unlabeled																					.
No reduction, norm		1/2		1/2	1	1		1	1	1	1	1	1			1		1	1		60
BLOSUM 15, norm			1	$\frac{1}{2}$			1							1							17.5
BLOSUM 10, norm		$\frac{1}{2}$															1				7.5
BLOSUM 8, norm															1					1	10
BLOSUM 6, norm																					.
BLOSUM 5, norm																					
BLOSUM 4, norm	1																				5
BLOSUM 3, norm																					
BLOSUM 2, norm																					
Unlabeled, norm																					
Selected Sequence										1	1		•		1						15
Selected FEATURE	1			1			1						•			1	1			1	30
Selected kernel		•	•				•					•		1				•	•	•	5
Selected norm kernel		1	1		1	1	•	1	1			1	1					1	1	•	50
Best Sequence	:			•						1	1		•			:	:				10
Best FEATURE	1			1									•	:		1	1				20
Best kernel		:	:	•	:		:		:		•	:		1	:		•	:	:	:	5
Best norm kernel		1	1		1	1	1	1	1			1	1		1			1	1	1	65