

Table S1:

Pairwise Cleavage Entropies of Trypsin: Interdependence in substrate readout of trypsin subpockets P4-P4' is reflected quantitatively as pairwise cleavage entropies S_{ij} . For comparison subpocket-wise cleavage entropies S_i are provided in the last row. Entropy values lower than 0.5 are highlighted in red, values between 0.5 and 0.85 in yellow. Besides readout of the P1 position, no pronounced cooperativity effect for trypsin can be observed.

S_{ij}	P4	P3	P2	P1	P1'	P2'	P3'	P4'
P4		0.909	0.911	0.537	0.904	0.911	0.920	0.923
P3			0.907	0.537	0.902	0.923	0.913	0.920
P2				0.535	0.896	0.913	0.913	0.915
P1					0.528	0.536	0.538	0.540
P1'						0.900	0.903	0.914
P2'							0.918	0.922
P3'								0.922
P4'								
S_i	0.987	0.991	0.990	0.230	0.975	0.992	0.990	0.990