Table 2. Sequences of the H3 peptides used in crystallization and binding assays

Peptide sequence	Crystallization	Fluorescence anisotropy	Tryptophan fluorescence
ART*Kme2*QTARKSTGG*Kfluo*Y*		√	
ART*Kme3*QTARKSTGG*Kfluo*Y*		√	
A*Rme2a*T*Kme2*QTARKSTGG*Kfluo*Y*		√	
A*Rme2a*T*Kme3*QTARKSTGG*Kfluo*Y*		√	
A*Rme2s*T*Kme2*QTARKSTGG*Kfluo*Y*		√	
A*Rme2s*T*Kme3*QTARKSTGG*Kfluo*Y*		√	
ART*Kme3*QTARKSTGGKAPRKQ*Kbio*A	√		√
A*Rme1*T*Kme3*QTARKSTGGKAPRKQ*Kbio*A	√		
A*Rme2s*T*Kme2*QTARKSTGGKAPRKQ*Kbio*A*	√		
A*Rme2s*T*Kme3*QTARKSTGGKAPRKQ*Kbio*A *	√		√
A*Rme2a*T*Kme3*QTARKSTGGKAY*	√		

Kfluo, lysine conjugated to fluorescein; *Kbio*, lysine conjugated to biotin. Concentrations of the fluorescein-labeled peptides were determined by absorption at 492 nm and pH 8.0 (ε = 68,000). Other peptide concentrations were determined by the dry weight and dissolved volume.

*HPLC-purified.