

**S4 Table. SIRIPK PTMs *in vitro*.**

Site	Ac Z3/CA	Phos
S10	1.4	+
K17	Z3	
S31		+
H38/H39	Z3	
S44		+
S47		+
S52		+
S56		+
T82	2	+
S83	1.6	+
S86/S87		+
K120	Z3	
H130	2	
T135	2	+
S182	1.4	+
S219	1.5	+
S232		+
T246	1.8	+
H247	2.2	
S249	Z3	+
T250	Z3	+
T255	1.6	+
H256	1.8	
T266		+
S330		+
T354		+
S382		+
T389		+
T396		+
S444		+
T446		+
T452		+

PTMs were determined using purified recombinant SIRIPK after *in vitro*  $^{13}\text{C}$ -acetylation by HopZ3/HopZ3\_C300A. Numbers indicate enrichment (fold change) of  $^{13}\text{C}$ -acetylation in the presence of HopZ3 vs. HopZ3\_C300A. Z3: acetylation found only in SIRIPK treated with HopZ3. **Red shading:** significant (>50%) increase of modification with HopZ3. + indicates phosphorylation found in a recombinant protein. Ac: acetylation; Phos: phosphorylation.