

S2 Table. PTO PTMs *in vitro* and *in planta*.

Site	<i>In vitro</i>		<i>In planta</i>			
	Ac Z3/CA	Phos	Ac Z3/CA		Phos	
			exp 1	exp 2	exp 1	exp 2
T9*			Z3	1.8		
S11*			Z3	2		
T38		+			+	
K123			Z3	Z3#		
T133		+			+	+
S135					+	+
S137					+	+
T181					+	
T190					+	+
T195		+			+	
S198		+			+	+
T199		+	Z3	Z3#	+	
K202			Z3	1		
T204	Z3		Z3#	Z3#		

PTMs were determined either *in vitro*, using purified recombinant PTO after ¹³C-acetylation by HopZ3/HopZ3_C300A, or *in planta*, by co-expressing PTO and HopZ3/HopZ3_C300A in *N. benthamiana*, followed by immunoprecipitation. Numbers indicate enrichment (fold change) of acetylation in the presence of HopZ3 vs. HopZ3_C300A. **Red shading**: significant (>50%) increase of acetylation with HopZ3. **Blue shading**: significant decrease of phosphorylation *in planta* in the presence of HopZ3. Residues important for PTO signaling or interaction with AvrPto are in **bold**. + indicates phosphorylation found in a recombinant protein (*in vitro*) or *in planta*. Z3: acetylation found only in PTO treated or co-expressed with HopZ3 and not HopZ3_C300A.; Ac: acetylation; Phos: phosphorylation; exp: experiment. *Some spectra do not distinguish these 2 close residues. #*In planta* sites with acetylation above 25% in the presence of HopZ3.