

S1 Table. AvrPto1_{PSy} PTMs *in vitro* and *in planta*.

Site	<i>In vitro</i>		Myr exp 1,2	<i>In planta</i>			
	Ac Z3/CA	Phos		Ac Z3/CA exp 1	exp 2	Phos exp 1	exp 2
G2			+				
S9	2.7	+					
H13	2.2				Z3		
S17	1.5	+			Z3	+	+
S22	5.9					+	+
S25	1.9	+		2	Z3	+	+
T32						+	+
S33						+	+
S46		+		15	5		
S58		+		Z3	Z3		
S59		+		3	14		
S67*	3.8				Z3		
S68*	1.2				0.8	+	+
T79	1.9			Z3	Z3		
H87	0.9			Z3			
T91	2	+		Z3 [#]	18 [#]		
S94	1.6			Z3 [#]	20 [#]		
S111	2.2				Z3		
S114	2.4				Z3		
S117	1.8	+			Z3		
H125	2.2			2 [#]	Z3 [#]		
H130	2.2			2	Z3		
S136						+	+
T142*	Z3	+			Z3	+	
T143*		+				+	
S147	1.6	+		1.6	Z3	+	+
S149	11	+		2	Z3	+	+
T154	19	+					
S158	1.4					+	+
H160	1.4						

PTMs were determined either *in vitro*, using purified recombinant AvrPto1_{PSy} after ¹³C-acetylation by HopZ3/HopZ3_C300A, or *in planta*, by co-expressing AvrPto1_{PSy} 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 known to be important for AvrPto signaling or interaction with PTO are in **bold**. + indicates phosphorylation found in a recombinant protein (*in vitro*) or *in planta*. Z3: acetylation found only in AvrPto1_{PSy} treated or co-expressed with HopZ3 and not HopZ33_C300A. Ac: acetylation; Phos: phosphorylation; Myr: myristoylation; exp: experiment. *Some spectra do not distinguish these 2 close residues. [#]*In planta* sites with acetylation above 25% in the presence of HopZ3.