

**Quantitative Proteomics Reveals the Defense Response of
Wheat against *Puccinia striiformis* f. sp. *tritici***

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Supplementary information

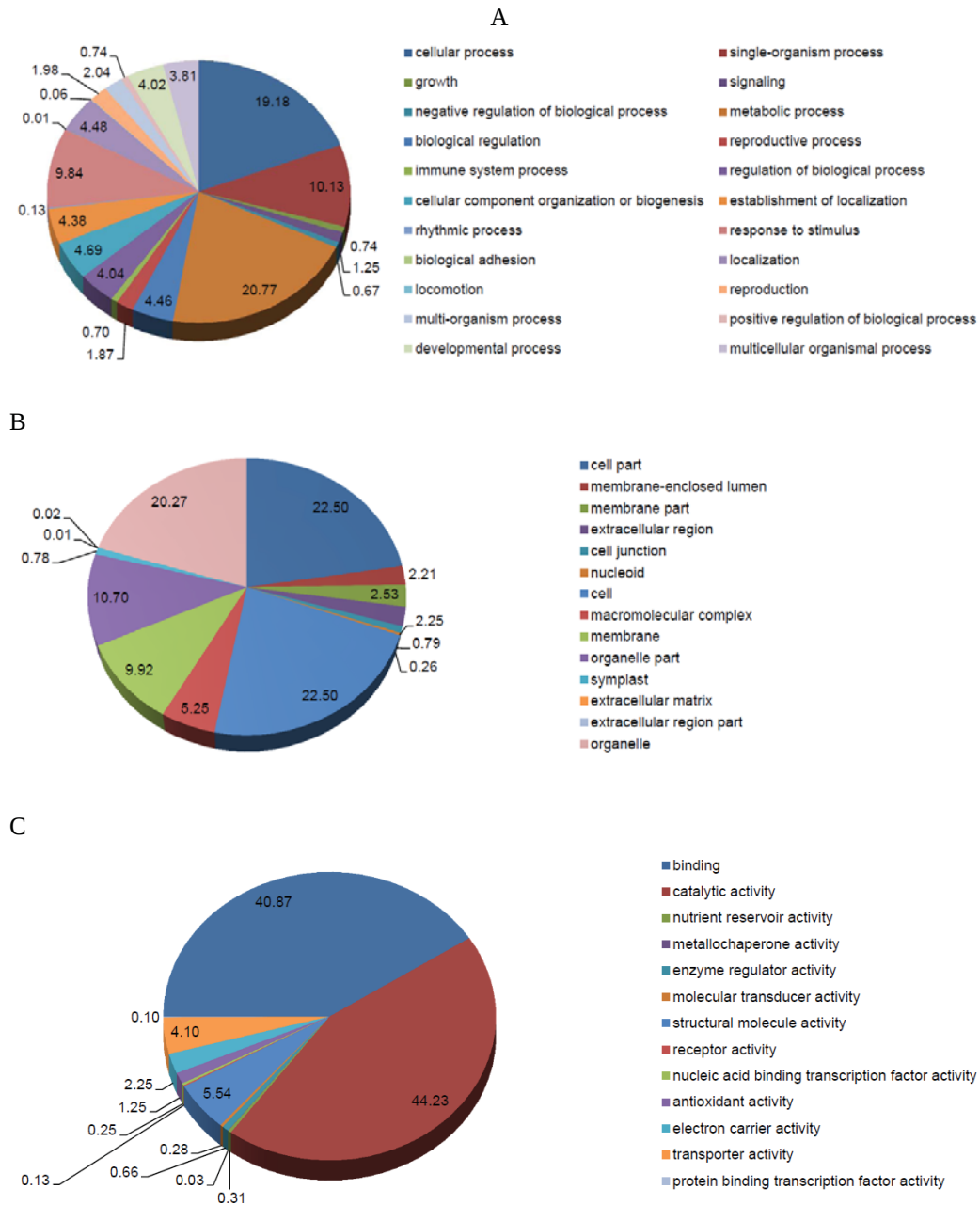


Figure S1. Gene ontology analysis of the identified proteins in the wheat–*Puccinia striiformis* f. sp. *tritici* incompatible interaction. The identified proteins were classified into the (A) biological process, (B) cellular component, and (C) molecular function categories.



Figure S2. Heat map representation of 530 differentially accumulated wheat proteins induced by *Puccinia striiformis* f. sp. *tritici*. Red color indicated high expression whereas green color indicated low expression.

Table S3. Primers used in this study.

Primer name	Primer sequence (5'-3')		Description
AEGTA02200	Forward	TTCACTACCGTGGAACACTTAC	FKBP-type peptidyl-prolyl <i>cis-trans</i> isomerases 1
	Reverse	ATTCCCTGATCCCATCCTTTG	
gi 474142167 gb EMS56572.1	Forward	GAGGCCAGAGGTTGGTTATT	FKBP-type peptidyl-prolyl <i>cis-trans</i> isomerases 1
	Reverse	AGTTCGACATCCAGCTCAATAG	
AEGTA10595	Forward	TTGGTGCCAGGGTAATCTTC	RNA-binding protein (RRM domain)
	Reverse	GCAGCCTTTGCATCTTCTATTG	
AEGTA28246	Forward	ACTCCAAAGTCCAAGGGATATG	RNA-binding protein (RRM domain)
	Reverse	TATGCTCTATTACACGGATGG	
AEGTA28112	Forward	AGGCAATTCCGTTCTGTACTC	Co-chaperonin GroES (HSP10)
	Reverse	AGGATAGCCATCAGGTCAGATA	
AEGTA32594	Forward	CGTGCTACTGAGGTTGAATAC	Co-chaperonin GroES (HSP10)
	Reverse	CCTTGATGAGAATCCGGTCATT	
AEGTA06357	Forward	TGAGCTACCCTACCACACTAATA	Chaperonin GroEL (HSP60 family)
	Reverse	GTTGCGAGCATTGTATCCATAAC	
BSMV:AEGTA02200	Forward	ctaGCTAGCTCCACTGCTGAAGATAACTG	Construction of BSMV:AEGTA02200 for silencing AEGTA02200
	Reverse	ctaGCTAGCTCCTGACTTGTAGACACTTG	
BSMV:gi 474142167	Forward	ctaGCTAGCGTGTGCGAGTACATTAC	Construction of BSMV:gi 474142167 for silencing gi 474142167
	Reverse	ctaGCTAGCTCAGGAGGAACAATAACCAA	
BSMV:AEGTA10595	Forward	ctaGCTAGCTCTCACTTCAACCTCAACAA	Construction of BSMV:AEGTA10595 for silencing AEGTA10595
	Reverse	ctaGCTAGCTTCTCCACGTACTCCT	
BSMV:AEGTA28246	Forward	ctaGCTAGCGCCATTGAGAGCCTGAAT	Construction of BSMV:AEGTA28246 for silencing AEGTA28246
	Reverse	ctaGCTAGCTTGAGCACTTCCGTTGT	
BSMV:AEGTA28112	Forward	ctaGCTAGCATGGAGGTGGAGTTGAATG	Construction of BSMV:AEGTA28112 for silencing AEGTA28112
	Reverse	ctaGCTAGCAAGAACACGGTCGCTAAG	
BSMV:AEGTA32594	Forward	ctaGCTAGCTGAGATTGTTGCTGTTGGA	Construction of BSMV:AEGTA32594 for silencing AEGTA32594
	Reverse	ctaGCTAGCAGATGCTTGGAGTTGTTGT	
BSMV:AEGTA06357	Forward	ctaGCTAGCGTGTGCGCAACAAGTAT	Construction of BSMV:AEGTA06357 for silencing AEGTA06357
	Reverse	ctaGCTAGCAAGAACCTTCATTCCTTCAG	
TaEF-1 α	Forward	TGGTGTCAATCAAGCCTGGTATGGT	wheat elongation factor 1 α
	Reverse	ACTCATGGTGCATCTCAACGGACT	