

Additional file 4: Table S3. List of 23 candidate regulatory genes determined in this study that regulate raw starch-degrading enzymes production in *P. oxalicum* HP7-1

Name	InterPro annotation of predicted protein	Domain description of predicted protein
<i>POX00852</i>	IPR001594	Zinc finger, DHHC-type
<i>POX00981</i>	IPR007087	Zinc finger, C2H2-type
<i>POX01907</i>	IPR001005	Myb/SANT DNA binding domain
	IPR005930	Pyruvate carboxylase;
<i>POX02290</i>	IPR009057	Homeodomain-like;
	IPR011764	Biotin carboxylation domain
<i>POX02452</i>	IPR007087	Zinc finger, C2H2-type
<i>POX02944</i>	IPR001138	Zinc finger, Zn2Cys6 type
	IPR001138	Zinc finger, Zn2Cys6 type;
<i>POX03446</i>	IPR007219	Fungal_Trans
<i>POX03789</i>	IPR003163	APSES-type DNA-binding domain
<i>POX03827</i>	IPR009044	ssDNA-binding transcriptional regulator
<i>POX04007</i>	IPR007087	Zinc finger, C2H2-type
<i>POX04510</i>	IPR000679	Zinc finger, GATA-type
<i>POX04769</i>	IPR007087	Zinc finger, C2H2-type
<i>POX04860</i>	IPR009057	Homeodomain-like
<i>POX05041</i>	IPR001138	Zinc finger, Zn2Cys6 type
<i>POX05726</i>	IPR007087	Zinc finger, C2H2-type
	IPR001138	Zinc finger, Zn2Cys6 type;
<i>POX06425</i>	IPR007219	Fungal_Trans
<i>POX06509</i>	IPR004827	Basic-leucine zipper (bZIP) domain
<i>POX06892</i>	IPR011991	Winged helix repressor DNA-binding domain

	IPR000949	ELM2 domain;
	IPR001025	Bromo adjacent homology (BAH) domain;
<i>POX07078</i>	IPR001965	Zinc finger, PHD-type;
	IPR009057	Homeodomain-like
<i>POX07522</i>	IPR011991	Winged helix repressor DNA-binding domain
<i>POX07938</i>	IPR001138	Zinc finger, Zn2Cys6 type
<i>POX09088</i>	IPR001138	Zinc finger, Zn2Cys6 type
	IPR001138	Zn2Cys6 fungal-type DNA-binding domain
<i>POX09752</i>	IPR001451	Hexapeptide repeat
	IPR024688	Maltose/galactoside acetyltransferase
