

TableS3 Characteristics of HCT proteins

Species	ID	Name
<i>Arabidopsis thaliana</i> (At)	At5g48930	AtHCT
<i>Fragaria vesca</i> (Fv)	FvH4_6g28410.1	FvHCT
<i>Prunus persica</i> (Pp)	Prupe.3G101900.1	PpHCT
<i>Solanum lycopersicum</i> (Sl)	Solyc03g117600.2.1	SlHCT
<i>Zea mays</i> ssp. <i>Mays</i> (Zm)	Zm00008a006960_T01	ZmHCT
<i>Oryza sativa</i> Kitaake(Os)	OsKitaake04g186700.3	OsHCT
<i>Populus trichocarpa</i> v3.1 (Pt)	Potri.003G183900.2	PtHCT
<i>Coffea arabica</i> (Ca)	evm.model.Scaffold_633.226	CaHCT

Table S4 RNA-seq analysis of genes expressed involved in chlorogenic acid metabolic pathway.

Gene Name	id	BL15D1_fpk	BL15D2_fpk	BL15D3_fpk	RE15D1_fpk	RE15D2_fpk	RE15D3_fpk	padj
<i>FvHCT</i>	FvH4_6g28410	5.004083	5.201113	5.464373528	3.074719547	3.196000932	3.019096817	2.58E-11
<i>FvC3H1</i>	FvH4_1g29330	26.039997	25.000225	26.378309	21.642027	24.057831	23.487152	0.327809568
<i>FvC3H2</i>	FvH4_5g15140	0.027447	0	0	0	0	0	1
<i>FvPAL1</i>	FvH4_6g16060	29.880445	30.838533	30.726431	35.62775	37.525112	36.189556	0.0000502
<i>FvPAL2</i>	FvH4_7g19130	86.764214	95.491158	94.03846	75.293808	76.81588	74.491959	0.008925026
<i>FvC4H1</i>	FvH4_3g40570	9.935663	12.959866	12.462749	14.242035	13.645521	13.533609	0.086161008
<i>FvC4H2</i>	FvH4_4g06180	0	0	0	0	0	0	1
<i>Fv4CL1</i>	FvH4_4g09340	142.037674	190.999374	187.539825	158.707428	171.822433	167.04747	0.707606291
<i>Fv4CL2</i>	FvH4_7g33990	2.050647	2.100227	1.665429	1.767606	1.794531	1.456661	0.730291777
<i>Fv4CL3</i>	FvH4_6g27940	0.207262	0.319462	0.138184	0.335283	0.16792	0.391138	0.785766524

Table S5. List of primers used in this study.

Gene Name	Primers	Primer Sequence (5' to 3')
<i>FvHCT</i>	CXD-419-FVHCT-QRT-F2	CACGCGCTGTCGAAGGTGC
	CXD-420-FVHCT-QRT-R2	CATCGATGACGGAGCTACTC
<i>FvGADPH</i>	CXD-132-FvGADPH-QRT-F1	CAGAAGACTGTTGATGGACC
	CXD-133-FvGADPH-QRT-R1	GCAGCCTTAATCTGGTCATAG