

Supplementary Table S1. List of DEGs in *C. rosea* 67-1 at 36 h during chlamydospore formation.

Gene ID	Up/Down regulation	Blast NR
<i>Cch103851</i>	up	hypothetical protein
<i>Cch3324</i>	up	hypothetical protein
<i>Cch12013</i>	up	hypothetical protein
<i>Cch14835</i>	up	hypothetical protein
<i>Cch5859</i>	up	hypothetical protein
<i>Cch46361</i>	up	hypothetical protein
<i>Cch42624</i>	up	hypothetical protein
<i>Cch20390</i>	up	hypothetical protein
<i>Cch28712</i>	up	hypothetical protein
<i>Cch1511151</i>	up	hypothetical protein
<i>Cch3709</i>	up	hypothetical protein
<i>Cch16182</i>	up	hypothetical protein
<i>Cch151121</i>	up	hypothetical protein
<i>Cch34222</i>	up	hypothetical protein
<i>Cch1716</i>	up	hypothetical protein
<i>Cch261574</i>	up	hypothetical protein
<i>Cch5076</i>	up	hypothetical protein
<i>Cch3684</i>	up	hypothetical protein
<i>Cch224</i>	up	hypothetical protein
<i>Cch23444</i>	up	hypothetical protein
<i>Cch36051</i>	up	hypothetical protein
<i>Cch56334</i>	up	hypothetical protein
<i>Cch34648</i>	up	hypothetical protein
<i>Cch281219</i>	up	hypothetical protein
<i>Cch17159</i>	up	hypothetical protein
<i>Cch13313</i>	up	hypothetical protein
<i>Cch30612</i>	up	hypothetical protein
<i>Cch4045</i>	up	hypothetical protein
<i>Cch9310</i>	up	hypothetical protein
<i>Cch29548</i>	up	hypothetical protein
<i>Cch13721</i>	up	hypothetical protein
<i>Cch3708</i>	up	not hit
<i>Cch49029</i>	up	not hit
<i>Cch17429</i>	up	not hit
<i>Cch3878</i>	up	not hit
<i>Cch83528</i>	up	not hit
<i>Cch1857</i>	up	not hit
<i>Cch3313</i>	up	not hit
<i>Cch43984</i>	up	not hit
<i>Cch25334</i>	up	not hit
<i>Cch50921</i>	up	not hit
<i>Cch10959</i>	up	not hit
<i>Cch56333</i>	up	L-lactate dehydrogenase
<i>Cch4046</i>	up	ACB 4-hydroxyacetophenone monooxygenase

<i>Cch1511182</i>	up	phosphatidylserine decarboxylase
<i>Cch3794</i>	up	NADH:flavin oxidoreductase
<i>Cch10991</i>	up	alcohol dehydrogenase 1
<i>Cch30435</i>	up	acyl esterases
<i>Cch7218</i>	up	nitroreductase family protein
<i>Cch30433</i>	up	aldehyde dehydrogenase
<i>Cch45345</i>	up	nitrosoguanidine resistance protein
<i>Cch30429</i>	up	polyketide hydroxylase
<i>Cch30431</i>	up	ketosteroid isomerase
<i>Cch1749</i>	up	phosphate transport protein
<i>Cch281265</i>	up	sugar transporter
<i>Cch84812</i>	up	ABC-2 type transporter
<i>Cch56332</i>	up	glycosyltransferase family 4 protein
<i>Cch1304</i>	up	H ⁺ -transporting ATPase
<i>Cch23923</i>	up	general substrate transporter
<i>Cch30437</i>	up	glutathione S-transferase
<i>Cch67214</i>	up	glucan endo-1,3-beta-glucosidase A1-like protein
<i>Cch43218</i>	up	trypsin-like protease
<i>Cch295103</i>	up	endochitinase-like protein
<i>Cch230341</i>	up	endochitinase-like protein
<i>Cch3770</i>	up	serine protease
<i>Cch31832</i>	up	serine protease
<i>Cch16415</i>	up	secreted serine protease protein
<i>Cch3466</i>	down	hypothetical protein
<i>Cch4881</i>	down	hypothetical protein
<i>Cch3203</i>	down	hypothetical protein
<i>Cch6756</i>	down	hypothetical protein
<i>Cch3314</i>	down	hypothetical protein
<i>Cch21617</i>	down	hypothetical protein
<i>Cch19611</i>	down	hypothetical protein
<i>Cch1955144</i>	down	hypothetical protein
<i>Cch4399</i>	down	hypothetical protein
<i>Cch4522</i>	down	hypothetical protein
<i>Cch6751</i>	down	hypothetical protein
<i>Cch4392</i>	down	hypothetical protein
<i>Cch1575</i>	down	hypothetical protein
<i>Cch36012</i>	down	hypothetical protein
<i>Cch379</i>	down	hypothetical protein
<i>Cch60725</i>	down	hypothetical protein
<i>Cch726</i>	down	hypothetical protein
<i>Cch5604</i>	down	hypothetical protein
<i>Cch2058</i>	down	hypothetical protein
<i>Cch2235</i>	down	hypothetical protein
<i>Cch9554</i>	down	hypothetical protein
<i>Cch109534</i>	down	hypothetical protein
<i>Cch40383</i>	down	hypothetical protein

<i>Cch5983</i>	down	hypothetical protein
<i>Cch542</i>	down	hypothetical protein
<i>Cch29581</i>	down	hypothetical protein
<i>Cch5612</i>	down	hypothetical protein
<i>Cch169413</i>	down	hypothetical protein
<i>Cch32524</i>	down	hypothetical protein
<i>Cch723</i>	down	hypothetical protein
<i>Cch6597</i>	down	hypothetical protein
<i>Cch3485</i>	down	hypothetical protein
<i>Cch12641</i>	down	hypothetical protein
<i>Cch51041</i>	down	hypothetical protein
<i>Cch8691</i>	down	hypothetical protein
<i>Cch4065</i>	down	hypothetical protein
<i>Cch6933</i>	down	hypothetical protein
<i>Cch69027</i>	down	hypothetical protein
<i>Cch30823</i>	down	hypothetical protein
<i>Cch5511</i>	down	hypothetical protein
<i>Cch41720</i>	down	hypothetical protein
<i>Cch241141</i>	down	hypothetical protein
<i>Cch43951</i>	down	hypothetical protein
<i>Cch4461</i>	down	hypothetical protein
<i>Cch10826</i>	down	hypothetical protein
<i>Cch30917</i>	down	hypothetical protein
<i>Cch4509</i>	down	hypothetical protein
<i>Cch28154</i>	down	hypothetical protein
<i>Cch4389</i>	down	hypothetical protein
<i>Cch28015</i>	down	hypothetical protein
<i>Cch7624</i>	down	hypothetical protein
<i>Cch552</i>	down	hypothetical protein
<i>Cch16166</i>	down	hypothetical protein
<i>Cch56454</i>	down	hypothetical protein
<i>Cch661</i>	down	hypothetical protein
<i>Cch46524</i>	down	hypothetical protein
<i>Cch15312</i>	down	not hit
<i>Cch43422</i>	down	not hit
<i>Cch10320</i>	down	not hit
<i>Cch20398</i>	down	not hit
<i>Cch4214</i>	down	not hit
<i>Cch72532</i>	down	not hit
<i>Cch6834</i>	down	not hit
<i>Cch11524</i>	down	not hit
<i>Cch50927</i>	down	not hit
<i>Cch46349</i>	down	not hit
<i>Cch49910</i>	down	not hit
<i>Cch4215</i>	down	not hit
<i>Cch28736</i>	down	not hit

<i>Cch3520</i>	down	not hit
<i>Cch8215</i>	down	not hit
<i>Cch28735</i>	down	not hit
<i>Cch5676</i>	down	not hit
<i>Cch45010</i>	down	not hit
<i>Cch7757</i>	down	not hit
<i>Cch20396</i>	down	not hit
<i>Cch23935</i>	down	not hit
<i>Cch5677</i>	down	not hit
<i>Cch42018</i>	down	not hit
<i>Cch2805</i>	down	not hit
<i>Cch3106</i>	down	not hit
<i>Cch14012</i>	down	not hit
<i>Cch129352</i>	down	not hit
<i>Cch1769</i>	down	not hit
<i>Cch33146</i>	down	transcriptional activator protein-like protein
<i>Cch15311</i>	down	zinc finger domain-containing protein
<i>Cch553</i>	down	timethylaniline monooxygenase
<i>Cch2968</i>	down	aldehyde dehydrogenase
<i>Cch26936</i>	down	D-2-hydroxyacid dehydrogenase-like protein
<i>Cch26965</i>	down	probable maltose permease
<i>Cch8919</i>	down	formate dehydrogenase-like protein
<i>Cch4847</i>	down	cytochrome p450 protein
<i>Cch3932</i>	down	polyphosphatidylinositol phosphatase-like protein
<i>Cch1111</i>	down	phosphoenolpyruvate carboxykinase
<i>Cch17434</i>	down	salicylate hydroxylase protein
<i>Cch47820</i>	down	dihydrodipicolinate synthase
<i>Cch21025</i>	down	translation initiation factor
<i>Cch5729</i>	down	catalase/peroxidase HPI
<i>Cch18192</i>	down	MFS transporter
<i>Cch17433</i>	down	MFS transporter
<i>Cch231219</i>	down	major facilitator superfamily transporter protein
<i>Cch59417</i>	down	hexose transporter-like protein
<i>Cch59417</i>	down	transporter-like protein
<i>Cch11055</i>	down	transporter-like protein
<i>Cch3849</i>	down	sphingoid long-chain base transporter-like protein
<i>Cch34341</i>	down	sphingoid long-chain base transporter-like protein
<i>Cch2086</i>	down	methyltransferase
<i>Cch2081</i>	down	glutamyl-tRNA(gln) amidotransferase subunit A
<i>Cch1803</i>	down	glucose transporter
<i>Cch1231</i>	down	glucose transporter rco-like protein
<i>Cch396</i>	down	chitinase
<i>Cch129137</i>	down	glucan 1,4-alpha-glucosidase
<i>Cch4866</i>	down	glycoside hydrolase family 93
<i>Cch1725</i>	down	N-acetyl-beta-D-glucosaminidase
<i>Cch56481</i>	down	beta-glucosidase A-like protein

<i>Cch34520</i>	down	endo-1,3(4)-beta-glucanase
<i>Cch9226</i>	down	endo-1,3(4)-beta-glucanase
