

# SUPPLEMENTARY MATERIAL

*Article*

## **Revealing Hidden Genes in *Botrytis cinerea*: New insights into genes involved in the biosynthesis of secondary metabolites**

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**Botrytis cinerea B05.10** (ASM83294v1) | Location: 1:15,855-23,759 | Gene: Bcboa6 | Transcript: Bcin01g00060.1 | Jobs

**Transcript-based displays**

- Summary
- Sequence
  - Exons
  - cDNA
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  - Population comparison
  - Comparison image
- External References
  - General identifiers
  - Oligo probes
- Supporting evidence
- ID History
  - Transcript history
  - Protein history

**Transcript: Bcin01g00060.1**

**Location** [Chromosome 1: 15,855-23,759](#) forward strand

**About this transcript** This transcript has [4 exons](#) and is annotated with [34 domains and features](#).

**Gene** This transcript is a product of gene [Bcin01g00060](#) [Hide transcript table](#)

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Name	Transcript ID	bp	Protein	Biotype	UniProt	Flags
-	<a href="#">Bcin01g00060.1</a>	7725	<a href="#">2460aa</a>	Protein coding	<a href="#">A0A384J3U0</a>	Ensembl Canonical

**Domains & features**

**Domains**

Show **All** entries | Show/hide columns | Filter

Domain source	Start	End	Description	Accession	InterPro
Gene3D	2383	2459	ACP-like superfamily	<a href="#">1.10.1200.10</a>	<a href="#">IPR036736</a> [Display all genes with this domain]
Superfamily	2386	2450	ACP-like superfamily	<a href="#">SSF47336</a>	<a href="#">IPR036736</a> [Display all genes with this domain]
Pfam	549	852	Acyl transferase	<a href="#">PF00698</a>	<a href="#">IPR014043</a> [Display all genes with this domain]
Gene3D	544	857	Acyl transferase domain superfamily	<a href="#">3.40.386.10</a>	<a href="#">IPR001227</a> [Display all genes with this domain]
Superfamily	545	855	Acyl transferase/acyl hydrolase/lysophospholipase	<a href="#">SSF52151</a>	<a href="#">IPR016035</a> [Display all genes with this domain]
PROSITE patterns	169	185	Beta-ketoacyl synthase, active site	<a href="#">PS00606</a>	<a href="#">IPR018201</a> [Display all genes with this domain]
Pfam	267	388	Beta-ketoacyl synthase, C-terminal	<a href="#">PF02801</a>	<a href="#">IPR014031</a> [Display all genes with this domain]

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Figure S1. Domains of genes related to the secondary metabolism of *B. cinerea* in the Ensembl Fungi database. (Gene *Bcboa6*, Bcin01g00060)

Botrytis cinerea B05.10 (ASM83294v1)

Location: 1:15,855-23,759 Gene: Bcboa6 Transcript: Bcin01g00060.1 Jobs

- Transcript-based displays
  - Summary
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Transcript: Bcin01g00060.1

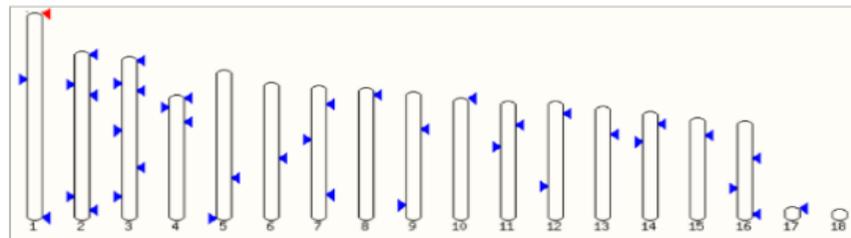
**Location** [Chromosome 1: 15 855-23 759](#) forward strand  
**About this transcript** This transcript has [4 exons](#) and is annotated with [34 domains and features](#).  
**Gene** This transcript is a product of gene [Bcin01g00060](#) [Hide transcript table](#)

Show/hide columns (1 hidden)

Name	Transcript ID	bp	Protein	Biotype	UniProt	Flags
-	<a href="#">Bcin01g00060.1</a>	7725	2460aa	Protein coding	<a href="#">A0A384J3U0</a>	Ensembl Canonical

Genes in domain

Other genes with domain IPR036736



Show **All** entries

Gene	Genome Location	Name	Description (if known)
<a href="#">Bcin01g00060</a>	<a href="#">Chromosome 1:15855-23759</a>	Bcboa6	No description
<a href="#">Bcin01g00090</a>	<a href="#">Chromosome 1:45170-52906</a>	Bcboa9	No description
<a href="#">Bcin01g03730</a>	<a href="#">Chromosome 1:1325998-1333012</a>	Bcnrps6	No description
<a href="#">Bcin01g11550</a>	<a href="#">Chromosome 1:4080990-4073855</a>	Bcpcs5	No description
<a href="#">Bcin02g00016</a>	<a href="#">Chromosome 2:57228-60555</a>	-	No description
<a href="#">Bcin02g01680</a>	<a href="#">Chromosome 2:649601-660236</a>	Bcpcs2	No description
<a href="#">Bcin02g02380</a>	<a href="#">Chromosome 2:868565-877799</a>	Bcnrps4	No description
<a href="#">Bcin02g08010</a>	<a href="#">Chromosome 2:2877798-2878946</a>	Bcacr1	No description
<a href="#">Bcin02g08770</a>	<a href="#">Chromosome 2:3114012-3121392</a>	Bcpcs12	No description
<a href="#">Bcin02g08830</a>	<a href="#">Chromosome 2:3144522-3152966</a>	Bcpcs18	No description
<a href="#">Bcin03g00210</a>	<a href="#">Chromosome 3:76442-79966</a>	-	No description
<a href="#">Bcin03g01550</a>	<a href="#">Chromosome 3:518767-523360</a>	-	No description
<a href="#">Bcin03g01570</a>	<a href="#">Chromosome 3:528657-530889</a>	-	No description
<a href="#">Bcin03g02010</a>	<a href="#">Chromosome 3:668235-676989</a>	Bcpcs17	No description
<a href="#">Bcin03g04360</a>	<a href="#">Chromosome 3:1450109-1462559</a>	Bcpcs3	No description
<a href="#">Bcin03g06470</a>	<a href="#">Chromosome 3:2187810-2189749</a>	-	No description
<a href="#">Bcin03g08050</a>	<a href="#">Chromosome 3:2784683-2771777</a>	Bcpcs13	No description
<a href="#">Bcin04g00140</a>	<a href="#">Chromosome 4:57039-61308</a>	Bclys2	No description
<a href="#">Bcin04g00640</a>	<a href="#">Chromosome 4:237643-246603</a>	Bcpcs20	No description
<a href="#">Bcin04g01390</a>	<a href="#">Chromosome 4:529559-533873</a>	Bcnrps5	No description
<a href="#">Bcin05g08220</a>	<a href="#">Chromosome 5:2129255-2136627</a>	Bcpcs15	No description
<a href="#">Bcin05g08400</a>	<a href="#">Chromosome 5:2926037-2934695</a>	Bcpcs21	No description
<a href="#">Bcin06g04410</a>	<a href="#">Chromosome 6:1506448-1510697</a>	-	No description
<a href="#">Bcin07g01010</a>	<a href="#">Chromosome 7:362344-365829</a>	-	No description
<a href="#">Bcin07g02790</a>	<a href="#">Chromosome 7:1019083-1023029</a>	-	No description
<a href="#">Bcin07g02920</a>	<a href="#">Chromosome 7:1061121-1068580</a>	Bcpcs8	No description
<a href="#">Bcin07g05830</a>	<a href="#">Chromosome 7:2153803-2157979</a>	-	No description
<a href="#">Bcin08g00290</a>	<a href="#">Chromosome 8:136163-143036</a>	Bcpcs19	No description
<a href="#">Bcin09g02040</a>	<a href="#">Chromosome 9:751733-756163</a>	-	No description
<a href="#">Bcin09g06360</a>	<a href="#">Chromosome 9:2255748-2256658</a>	-	No description
<a href="#">Bcin10g00140</a>	<a href="#">Chromosome 10:8862-31495</a>	Bcpcs7	No description

**Figure S2.** List of genes of the IPR036736 domain (description: ACP-like superfamily; Domain source: Gene 3D) for the *Bcoa6* gene of *B. cinerea* on the Ensembl Fungi database.

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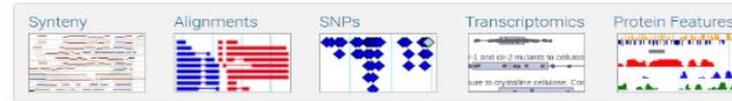
## Bcin01g00060 unspecified product

**Name:** Bcboa6  
**Gene Type:** protein coding gene  
**Biotype Classification:** protein\_coding  
**Chromosome:** 1  
**Location:** bcin\_chr\_1:15,855..23,759(+)

**Species:** *Botrytis cinerea*  
**Strain:** B05.10  
**Status:** Reference Strain

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**Bcin01g00060** <<

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### 16.1 Metabolic pathways

#### Metabolic Pathways [Download](#) [Data sets](#)

**Warning:** pathway assignment is based on EC numbers, some of which are computationally inferred by orthology. See [Function prediction](#) above.

Search this table... 1094 rows

↑↓ Pathway	↑↓ Pathway Source	↑↓ EC Number Matched in Pathway	↑↓ # Reactions Matching EC Number	↑↓ Exact EC Number Match <span style="font-size: x-small;">?</span>
Acarbose and validamycin biosynthesis	KEGG	4.2.1.-	1	No
Acarbose and validamycin biosynthesis	KEGG	1.1.1.-	1	No
Alanine, aspartate and glutamate metabolism	KEGG	5.1.1.13	1	Yes
alpha-Linolenic acid metabolism	KEGG	1.3.1.-	1	No
alpha-Linolenic acid metabolism	KEGG	5.3.3.-	1	No
Amino sugar and nucleotide sugar metabolism	KEGG	1.1.1.-	4	No
Aminobenzoate degradation	KEGG	1.1.-.	2	No
Aminobenzoate degradation	KEGG	2.3.1.-	1	Yes
Aminobenzoate degradation	KEGG	2.1.1.-	1	Yes
Anthocyanin biosynthesis	KEGG	2.1.1.-	4	Yes

**Figure S3.** FungiDB database (metabolic pathways Gene *Bcboa6*, Bcin01g00060).