

***Colletotrichum* species
Pathogenic to soybean**

Identification of
secreted proteins

Non-secreted

SignalP

Secreted

Identification of
TM domain /
GPI anchors
THMMM / PredGPI

TM / GPI

No TM / GPI

SECs

BLAST vs
Colletotrichum

Hits

Shared

- target

No hits

BLAST vs
soybean pathogenic

- target

Hits/No Hits

BLAST vs nr db

**-*Colletotrichum*
-*Glomerella***

Hits

Conserved

No hits

***Host-specific*
Species-complex specific
*Species-specific***

***12 Colletotrichum
genomes***

Clustering of proteins
Based on similarity

Orthofinder