

**Colletotrichum species
Pathogenic to soybean**

Identification of
secreted proteins
SignalP

Non-secreted

Secreted

Identification of
TM domain /
GPI anchors
THMMM / PredGPI

TM / GPI

No TM / GPI

SECs

BLAST vs
Colletotrichum
- target

Hits

Shared

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

