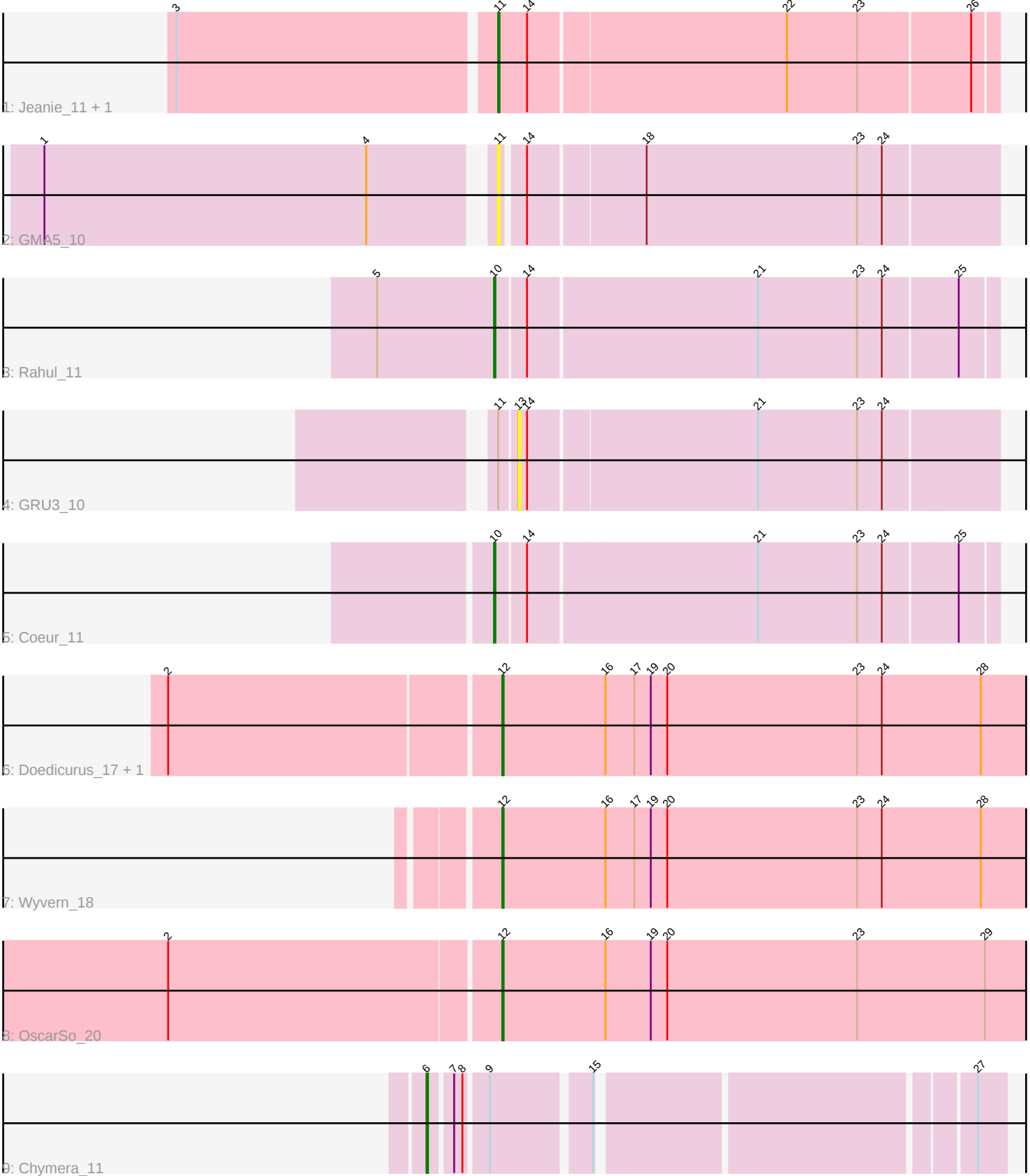


Pham 331450



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 331450 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331450 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Jeanie_11, McGonagall_11
- Track 2 : GMA5_10
- Track 3 : Rahul_11
- Track 4 : GRU3_10
- Track 5 : Coeur_11
- Track 6 : Doedicurus_17, Isperia_16
- Track 7 : Wyvern_18
- Track 8 : OscarSo_20
- Track 9 : Chymera_11

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 12, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Doedicurus_17, Isperia_16, OscarSo_20, Wyvern_18,

Genes that have the "Most Annotated" start but do not call it:

-

Genes that do not have the "Most Annotated" start:

- Chymera_11, Coeur_11, GMA5_10, GRU3_10, Jeanie_11, McGonagall_11, Rahul_11,

Summary by start number:

Start 6:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chymera_11 (singleton),

Start 10:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Coeur_11 (CW2), Rahul_11 (CW2),

Start 11:

- Found in 4 of 11 (36.4%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 75.0% of time when present
- Phage (with cluster) where this start called: GMA5_10 (CW2), Jeanie_11 (CW1), McGonagall_11 (CW1),

Start 12:

- Found in 4 of 11 (36.4%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Doedicurus_17 (GJ), Isperia_16 (GJ), OscarSo_20 (GJ), Wyvern_18 (GJ),

Start 13:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GRU3_10 (CW2),

Summary by clusters:

There are 4 clusters represented in this pham: CW1, singleton, CW2, GJ,

Info for manual annotations of cluster CW1:

- Start number 11 was manually annotated 2 times for cluster CW1.

Info for manual annotations of cluster CW2:

- Start number 10 was manually annotated 2 times for cluster CW2.

Info for manual annotations of cluster GJ:

- Start number 12 was manually annotated 4 times for cluster GJ.

Gene Information:

Gene: Chymera_11 Start: 8567, Stop: 8941, Start Num: 6

Candidate Starts for Chymera_11:

(Start: 6 @8567 has 1 MA's), (7, 8582), (8, 8588), (9, 8603), (15, 8669), (27, 8921),

Gene: Coeur_11 Start: 7354, Stop: 7704, Start Num: 10

Candidate Starts for Coeur_11:

(Start: 10 @7354 has 2 MA's), (14, 7375), (21, 7537), (23, 7609), (24, 7627), (25, 7678),

Gene: Doedicurus_17 Start: 11387, Stop: 11788, Start Num: 12

Candidate Starts for Doedicurus_17:

(2, 11153), (Start: 12 @11387 has 4 MA's), (16, 11462), (17, 11483), (19, 11495), (20, 11507), (23, 11645), (24, 11663), (28, 11735),

Gene: GMA5_10 Start: 7204, Stop: 7551, Start Num: 11

Candidate Starts for GMA5_10:

(1, 6892), (4, 7126), (Start: 11 @7204 has 2 MA's), (14, 7219), (18, 7300), (23, 7453), (24, 7471),

Gene: GRU3_10 Start: 7270, Stop: 7608, Start Num: 13

Candidate Starts for GRU3_10:

(Start: 11 @7258 has 2 MA's), (13, 7270), (14, 7276), (21, 7438), (23, 7510), (24, 7528),

Gene: Isperia_16 Start: 10679, Stop: 11080, Start Num: 12

Candidate Starts for Isperia_16:

(2, 10445), (Start: 12 @10679 has 4 MA's), (16, 10754), (17, 10775), (19, 10787), (20, 10799), (23, 10937), (24, 10955), (28, 11027),

Gene: Jeanie_11 Start: 7163, Stop: 7513, Start Num: 11

Candidate Starts for Jeanie_11:

(3, 6938), (Start: 11 @7163 has 2 MA's), (14, 7184), (22, 7367), (23, 7418), (26, 7496),

Gene: McGonagall_11 Start: 7163, Stop: 7513, Start Num: 11

Candidate Starts for McGonagall_11:

(3, 6938), (Start: 11 @7163 has 2 MA's), (14, 7184), (22, 7367), (23, 7418), (26, 7496),

Gene: OscarSo_20 Start: 13100, Stop: 13498, Start Num: 12

Candidate Starts for OscarSo_20:

(2, 12866), (Start: 12 @13100 has 4 MA's), (16, 13175), (19, 13208), (20, 13220), (23, 13358), (29, 13451),

Gene: Rahul_11 Start: 7375, Stop: 7725, Start Num: 10

Candidate Starts for Rahul_11:

(5, 7291), (Start: 10 @7375 has 2 MA's), (14, 7396), (21, 7558), (23, 7630), (24, 7648), (25, 7699),

Gene: Wyvern_18 Start: 11523, Stop: 11924, Start Num: 12

Candidate Starts for Wyvern_18:

(Start: 12 @11523 has 4 MA's), (16, 11598), (17, 11619), (19, 11631), (20, 11643), (23, 11781), (24, 11799), (28, 11871),