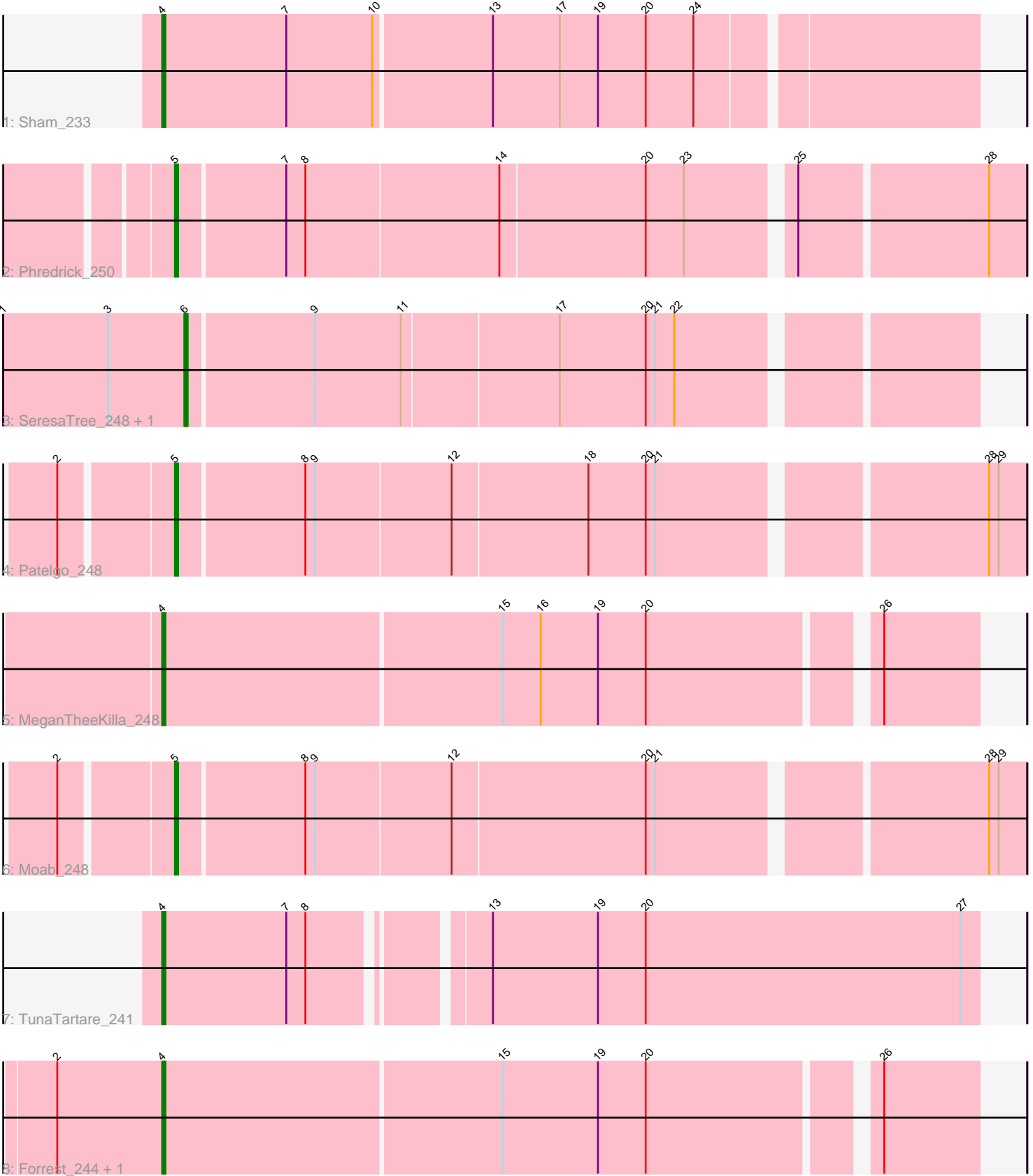


Pham 66330



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 66330 Report

This analysis was run 04/05/24 on database version 557.

Pham number 66330 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Sham_233
- Track 2 : Phredrick_250
- Track 3 : SeresaTree_248, Faust_244
- Track 4 : Patelgo_248
- Track 5 : MeganTheeKilla_248
- Track 6 : Moab_248
- Track 7 : TunaTartare_241
- Track 8 : Forrest_244, Jada_243

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Forrest_244, Jada_243, MeganTheeKilla_248, Sham_233, TunaTartare_241,

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

-

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

- Faust_244, Moab_248, Patelgo_248, Phredrick_250, SeresaTree_248,

Summary by start number:

Start 4:

- Found in 5 of 10 (50.0%) of genes in pham
- Manual Annotations of this start: 5 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Forrest_244 (BK1), Jada_243 (BK1), MeganTheeKilla_248 (BK1), Sham_233 (BK1), TunaTartare_241 (BK1),

Start 5:

- Found in 3 of 10 (30.0%) of genes in pham

- Manual Annotations of this start: 3 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Moab_248 (BK1), Patelgo_248 (BK1), Phredrick_250 (BK1),

Start 6:

- Found in 2 of 10 (20.0%) 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: Faust_244 (BK1), SeresaTree_248 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 4 was manually annotated 5 times for cluster BK1.
- Start number 5 was manually annotated 3 times for cluster BK1.
- Start number 6 was manually annotated 1 time for cluster BK1.

Gene Information:

Gene: Faust_244 Start: 118160, Stop: 118396, Start Num: 6

Candidate Starts for Faust_244:

(1, 118103), (3, 118136), (Start: 6 @118160 has 1 MA's), (9, 118199), (11, 118226), (17, 118274), (20, 118301), (21, 118304), (22, 118310),

Gene: Forrest_244 Start: 116768, Stop: 117013, Start Num: 4

Candidate Starts for Forrest_244:

(2, 116735), (Start: 4 @116768 has 5 MA's), (15, 116873), (19, 116903), (20, 116918), (26, 116984),

Gene: Jada_243 Start: 116008, Stop: 116253, Start Num: 4

Candidate Starts for Jada_243:

(2, 115975), (Start: 4 @116008 has 5 MA's), (15, 116113), (19, 116143), (20, 116158), (26, 116224),

Gene: MeganTheeKilla_248 Start: 116556, Stop: 116801, Start Num: 4

Candidate Starts for MeganTheeKilla_248:

(Start: 4 @116556 has 5 MA's), (15, 116661), (16, 116673), (19, 116691), (20, 116706), (26, 116772),

Gene: Moab_248 Start: 118829, Stop: 119083, Start Num: 5

Candidate Starts for Moab_248:

(2, 118796), (Start: 5 @118829 has 3 MA's), (8, 118868), (9, 118871), (12, 118913), (20, 118973), (21, 118976), (28, 119072), (29, 119075),

Gene: Patelgo_248 Start: 119255, Stop: 119509, Start Num: 5

Candidate Starts for Patelgo_248:

(2, 119222), (Start: 5 @119255 has 3 MA's), (8, 119294), (9, 119297), (12, 119339), (18, 119381), (20, 119399), (21, 119402), (28, 119498), (29, 119501),

Gene: Phredrick_250 Start: 116432, Stop: 116686, Start Num: 5

Candidate Starts for Phredrick_250:

(Start: 5 @116432 has 3 MA's), (7, 116465), (8, 116471), (14, 116531), (20, 116576), (23, 116588), (25, 116618), (28, 116675),

Gene: SeresaTree_248 Start: 118385, Stop: 118621, Start Num: 6

Candidate Starts for SeresaTree_248:

(1, 118328), (3, 118361), (Start: 6 @118385 has 1 MA's), (9, 118424), (11, 118451), (17, 118499), (20, 118526), (21, 118529), (22, 118535),

Gene: Sham_233 Start: 117714, Stop: 117962, Start Num: 4

Candidate Starts for Sham_233:

(Start: 4 @117714 has 5 MA's), (7, 117753), (10, 117780), (13, 117816), (17, 117837), (19, 117849), (20, 117864), (24, 117879),

Gene: TunaTartare_241 Start: 119638, Stop: 119883, Start Num: 4

Candidate Starts for TunaTartare_241:

(Start: 4 @119638 has 5 MA's), (7, 119677), (8, 119683), (13, 119731), (19, 119764), (20, 119779), (27, 119878),