



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 305282 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305282 has 24 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Waits\_68, Boohoo\_68, Battleship\_70, Anaysia\_68, MinecraftSteve\_68, LastResort\_66, JSwag\_67, Epsocamisio\_65, ReMo\_66, Looper\_67, Nebulosus\_66
- Track 2 : Switzerland\_67, Soups\_68, DekHockey33\_69, ShayRa\_68, KatherineG\_68
- Track 3 : Anon\_66
- Track 4 : Rosalind\_66
- Track 5 : Warrior24\_70, Oofda\_69
- Track 6 : Elle\_62
- Track 7 : Remus\_68, Strosahl\_68, Ravana\_69

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

The start number called the most often in the published annotations is 3, it was called in 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anaysia\_68, Anon\_66, Battleship\_70, Boohoo\_68, DekHockey33\_69, Elle\_62, Epsocamisio\_65, JSwag\_67, KatherineG\_68, LastResort\_66, Looper\_67, MinecraftSteve\_68, Nebulosus\_66, Oofda\_69, Ravana\_69, ReMo\_66, Remus\_68, Rosalind\_66, ShayRa\_68, Soups\_68, Strosahl\_68, Switzerland\_67, Waits\_68, Warrior24\_70,

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

- 

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

- 

### **Summary by start number:**

Start 3:

- Found in 24 of 24 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 23 of 23
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Anaysia\_68 (A15), Anon\_66 (A15), Battleship\_70 (A15), Boohoo\_68 (A15), DekHockey33\_69 (A15), Elle\_62 (A15), Epsocamisio\_65 (A15), JSwag\_67 (A15), KatherineG\_68 (A15), LastResort\_66 (A15), Looper\_67 (A15), MinecraftSteve\_68 (A15), Nebulosus\_66 (A15), Oofda\_69 (A15), Ravana\_69 (A15), ReMo\_66 (A15), Remus\_68 (A15), Rosalind\_66 (A15), ShayRa\_68 (A15), Soups\_68 (A15), Strosahl\_68 (A15), Switzerland\_67 (A15), Waits\_68 (A15), Warrior24\_70 (A15),

### **Summary by clusters:**

There is one cluster represented in this pham: A15

Info for manual annotations of cluster A15:

- Start number 3 was manually annotated 23 times for cluster A15.

### **Gene Information:**

Gene: Anaysia\_68 Start: 38921, Stop: 38742, Start Num: 3

Candidate Starts for Anaysia\_68:

(1, 39284), (Start: 3 @38921 has 23 MA's), (6, 38813),

Gene: Anon\_66 Start: 38696, Stop: 38508, Start Num: 3

Candidate Starts for Anon\_66:

(1, 39059), (2, 38906), (Start: 3 @38696 has 23 MA's), (6, 38591), (7, 38543),

Gene: Battleship\_70 Start: 39127, Stop: 38948, Start Num: 3

Candidate Starts for Battleship\_70:

(1, 39490), (Start: 3 @39127 has 23 MA's), (6, 39019),

Gene: Boohoo\_68 Start: 38921, Stop: 38742, Start Num: 3

Candidate Starts for Boohoo\_68:

(1, 39284), (Start: 3 @38921 has 23 MA's), (6, 38813),

Gene: DekHockey33\_69 Start: 39213, Stop: 39034, Start Num: 3

Candidate Starts for DekHockey33\_69:

(1, 39576), (Start: 3 @39213 has 23 MA's), (5, 39141), (6, 39105),

Gene: Elle\_62 Start: 37281, Stop: 37114, Start Num: 3

Candidate Starts for Elle\_62:

(1, 37644), (2, 37491), (Start: 3 @37281 has 23 MA's), (7, 37137),

Gene: Epsocamisio\_65 Start: 38456, Stop: 38277, Start Num: 3

Candidate Starts for Epsocamisio\_65:

(1, 38819), (Start: 3 @38456 has 23 MA's), (6, 38348),

Gene: JSwag\_67 Start: 38645, Stop: 38466, Start Num: 3

Candidate Starts for JSwag\_67:

(1, 39008), (Start: 3 @38645 has 23 MA's), (6, 38537),

Gene: KatherineG\_68 Start: 39118, Stop: 38939, Start Num: 3

Candidate Starts for KatherineG\_68:

(1, 39481), (Start: 3 @39118 has 23 MA's), (5, 39046), (6, 39010),

Gene: LastResort\_66 Start: 38697, Stop: 38518, Start Num: 3

Candidate Starts for LastResort\_66:

(1, 39060), (Start: 3 @38697 has 23 MA's), (6, 38589),

Gene: Looper\_67 Start: 38609, Stop: 38430, Start Num: 3

Candidate Starts for Looper\_67:

(1, 38972), (Start: 3 @38609 has 23 MA's), (6, 38501),

Gene: MinecraftSteve\_68 Start: 38933, Stop: 38754, Start Num: 3

Candidate Starts for MinecraftSteve\_68:

(1, 39296), (Start: 3 @38933 has 23 MA's), (6, 38825),

Gene: Nebulosus\_66 Start: 38693, Stop: 38514, Start Num: 3

Candidate Starts for Nebulosus\_66:

(1, 39056), (Start: 3 @38693 has 23 MA's), (6, 38585),

Gene: Oofda\_69 Start: 38896, Stop: 38717, Start Num: 3

Candidate Starts for Oofda\_69:

(1, 39259), (2, 39106), (Start: 3 @38896 has 23 MA's), (5, 38824), (6, 38788),

Gene: Ravana\_69 Start: 40006, Stop: 39842, Start Num: 3

Candidate Starts for Ravana\_69:

(1, 40369), (Start: 3 @40006 has 23 MA's), (4, 39967), (6, 39913),

Gene: ReMo\_66 Start: 38694, Stop: 38515, Start Num: 3

Candidate Starts for ReMo\_66:

(1, 39057), (Start: 3 @38694 has 23 MA's), (6, 38586),

Gene: Remus\_68 Start: 38685, Stop: 38521, Start Num: 3

Candidate Starts for Remus\_68:

(1, 39048), (Start: 3 @38685 has 23 MA's), (4, 38646), (6, 38592),

Gene: Rosalind\_66 Start: 38852, Stop: 38673, Start Num: 3

Candidate Starts for Rosalind\_66:

(1, 39215), (2, 39062), (Start: 3 @38852 has 23 MA's), (6, 38744),

Gene: ShayRa\_68 Start: 38881, Stop: 38702, Start Num: 3

Candidate Starts for ShayRa\_68:

(1, 39244), (Start: 3 @38881 has 23 MA's), (5, 38809), (6, 38773),

Gene: Soups\_68 Start: 39144, Stop: 38965, Start Num: 3

Candidate Starts for Soups\_68:

(1, 39507), (Start: 3 @39144 has 23 MA's), (5, 39072), (6, 39036),

Gene: Strosahl\_68 Start: 38685, Stop: 38521, Start Num: 3

Candidate Starts for Strosahl\_68:

(1, 39048), (Start: 3 @38685 has 23 MA's), (4, 38646), (6, 38592),

Gene: Switzerland\_67 Start: 39020, Stop: 38841, Start Num: 3

Candidate Starts for Switzerland\_67:

(1, 39383), (Start: 3 @39020 has 23 MA's), (5, 38948), (6, 38912),

Gene: Waits\_68 Start: 38917, Stop: 38738, Start Num: 3

Candidate Starts for Waits\_68:

(1, 39280), (Start: 3 @38917 has 23 MA's), (6, 38809),

Gene: Warrior24\_70 Start: 39351, Stop: 39172, Start Num: 3

Candidate Starts for Warrior24\_70:

(1, 39714), (2, 39561), (Start: 3 @39351 has 23 MA's), (5, 39279), (6, 39243),