



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 171794 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171794 has 20 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Battleship_51, Waits_50, Switzerland_50, JSwag_49, MinecraftSteve_51, Rosalind_49
- Track 2 : Remus_50, Strosahl_50
- Track 3 : ShayRa_52, Anaysia_51, Oofda_51, Boohoo_51, LastResort_50, ReMo_50, Soups_51, Nebulosus_50, Epsocamisio_49, Looper_51, KatherineG_52
- Track 4 : Nedarya_46

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 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anaysia_51, Battleship_51, Boohoo_51, Epsocamisio_49, JSwag_49, KatherineG_52, LastResort_50, Looper_51, MinecraftSteve_51, Nebulosus_50, Nedarya_46, Oofda_51, ReMo_50, Remus_50, Rosalind_49, ShayRa_52, Soups_51, Strosahl_50, Switzerland_50, Waits_50,

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 4:

- Found in 20 of 20 (100.0%) of genes in pham
- Manual Annotations of this start: 19 of 19
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anaysia_51 (A15), Battleship_51 (A15), Boohoo_51 (A15), Epsocamisio_49 (A15), JSwag_49 (A15), KatherineG_52 (A15), LastResort_50 (A15), Looper_51 (A15), MinecraftSteve_51 (A15), Nebulosus_50 (A15), Nedarya_46 (A15), Oofda_51 (A15), ReMo_50 (A15), Remus_50 (A15),

Rosalind_49 (A15), ShayRa_52 (A15), Soups_51 (A15), Strosahl_50 (A15), Switzerland_50 (A15), Waits_50 (A15),

Summary by clusters:

There is one cluster represented in this pham: A15

Info for manual annotations of cluster A15:

•Start number 4 was manually annotated 19 times for cluster A15.

Gene Information:

Gene: Anaysia_51 Start: 31080, Stop: 30850, Start Num: 4

Candidate Starts for Anaysia_51:

(Start: 4 @31080 has 19 MA's), (5, 31026), (6, 31023), (7, 31008),

Gene: Battleship_51 Start: 30813, Stop: 30583, Start Num: 4

Candidate Starts for Battleship_51:

(1, 31158), (Start: 4 @30813 has 19 MA's), (5, 30759), (6, 30756), (7, 30741),

Gene: Boohoo_51 Start: 31080, Stop: 30850, Start Num: 4

Candidate Starts for Boohoo_51:

(Start: 4 @31080 has 19 MA's), (5, 31026), (6, 31023), (7, 31008),

Gene: Epsocamisio_49 Start: 30615, Stop: 30388, Start Num: 4

Candidate Starts for Epsocamisio_49:

(Start: 4 @30615 has 19 MA's), (5, 30561), (6, 30558), (7, 30543),

Gene: JSwag_49 Start: 30553, Stop: 30326, Start Num: 4

Candidate Starts for JSwag_49:

(1, 30898), (Start: 4 @30553 has 19 MA's), (5, 30499), (6, 30496), (7, 30481),

Gene: KatherineG_52 Start: 31295, Stop: 31065, Start Num: 4

Candidate Starts for KatherineG_52:

(Start: 4 @31295 has 19 MA's), (5, 31241), (6, 31238), (7, 31223),

Gene: LastResort_50 Start: 30856, Stop: 30626, Start Num: 4

Candidate Starts for LastResort_50:

(Start: 4 @30856 has 19 MA's), (5, 30802), (6, 30799), (7, 30784),

Gene: Looper_51 Start: 30833, Stop: 30603, Start Num: 4

Candidate Starts for Looper_51:

(Start: 4 @30833 has 19 MA's), (5, 30779), (6, 30776), (7, 30761),

Gene: MinecraftSteve_51 Start: 30817, Stop: 30590, Start Num: 4

Candidate Starts for MinecraftSteve_51:

(1, 31162), (Start: 4 @30817 has 19 MA's), (5, 30763), (6, 30760), (7, 30745),

Gene: Nebulosus_50 Start: 30852, Stop: 30622, Start Num: 4

Candidate Starts for Nebulosus_50:

(Start: 4 @30852 has 19 MA's), (5, 30798), (6, 30795), (7, 30780),

Gene: Nedarya_46 Start: 30263, Stop: 30051, Start Num: 4
Candidate Starts for Nedarya_46:
(2, 30416), (3, 30359), (Start: 4 @30263 has 19 MA's), (7, 30191), (8, 30068),

Gene: Oofda_51 Start: 30708, Stop: 30481, Start Num: 4
Candidate Starts for Oofda_51:
(Start: 4 @30708 has 19 MA's), (5, 30654), (6, 30651), (7, 30636),

Gene: ReMo_50 Start: 30853, Stop: 30623, Start Num: 4
Candidate Starts for ReMo_50:
(Start: 4 @30853 has 19 MA's), (5, 30799), (6, 30796), (7, 30781),

Gene: Remus_50 Start: 30533, Stop: 30306, Start Num: 4
Candidate Starts for Remus_50:
(1, 30875), (Start: 4 @30533 has 19 MA's), (5, 30479), (6, 30476), (7, 30461),

Gene: Rosalind_49 Start: 30736, Stop: 30509, Start Num: 4
Candidate Starts for Rosalind_49:
(1, 31081), (Start: 4 @30736 has 19 MA's), (5, 30682), (6, 30679), (7, 30664),

Gene: ShayRa_52 Start: 31057, Stop: 30827, Start Num: 4
Candidate Starts for ShayRa_52:
(Start: 4 @31057 has 19 MA's), (5, 31003), (6, 31000), (7, 30985),

Gene: Soups_51 Start: 31056, Stop: 30826, Start Num: 4
Candidate Starts for Soups_51:
(Start: 4 @31056 has 19 MA's), (5, 31002), (6, 30999), (7, 30984),

Gene: Strosahl_50 Start: 30533, Stop: 30306, Start Num: 4
Candidate Starts for Strosahl_50:
(1, 30875), (Start: 4 @30533 has 19 MA's), (5, 30479), (6, 30476), (7, 30461),

Gene: Switzerland_50 Start: 30916, Stop: 30689, Start Num: 4
Candidate Starts for Switzerland_50:
(1, 31261), (Start: 4 @30916 has 19 MA's), (5, 30862), (6, 30859), (7, 30844),

Gene: Waits_50 Start: 30705, Stop: 30478, Start Num: 4
Candidate Starts for Waits_50:
(1, 31050), (Start: 4 @30705 has 19 MA's), (5, 30651), (6, 30648), (7, 30633),