



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 289726 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289726 has 23 members, 1 are drafts.

Phages represented in each track:

- Track 1 : DekHockey33_51, Boofoo_51, KatherineG_52, Soups_51, ShayRa_52, Anaysia_51, LastResort_50, Oofda_50, Epsocamisio_49, Ravana_53, ReMo_50, Nebulosus_50, Looper_51
- Track 2 : Switzerland_50, Rosalind_49, Waits_50, Battleship_51, Warrior24_51, JSwag_49, MinecraftSteve_51
- Track 3 : Remus_50, Strosahl_50
- 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 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anaysia_51, Battleship_51, Boofoo_51, DekHockey33_51, Epsocamisio_49, JSwag_49, KatherineG_52, LastResort_50, Looper_51, MinecraftSteve_51, Nebulosus_50, Nedarya_46, Oofda_50, Ravana_53, ReMo_50, Remus_50, Rosalind_49, ShayRa_52, Soups_51, Strosahl_50, Switzerland_50, Waits_50, Warrior24_51,

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 23 of 23 (100.0%) of genes in pham
- Manual Annotations of this start: 22 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anaysia_51 (A15), Battleship_51 (A15), Boofoo_51 (A15), DekHockey33_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_50 (A15), Ravana_53 (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), Warrior24_51 (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 22 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 22 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 22 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 22 MA's), (5, 31026), (6, 31023), (7, 31008),

Gene: DekHockey33_51 Start: 31295, Stop: 31065, Start Num: 4

Candidate Starts for DekHockey33_51:

(Start: 4 @31295 has 22 MA's), (5, 31241), (6, 31238), (7, 31223),

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

Candidate Starts for Epsocamisio_49:

(Start: 4 @30615 has 22 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 22 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 22 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 22 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 22 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 22 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 22 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 22 MA's), (7, 30191), (8, 30068),

Gene: Oofda_50 Start: 30708, Stop: 30481, Start Num: 4
Candidate Starts for Oofda_50:
(Start: 4 @30708 has 22 MA's), (5, 30654), (6, 30651), (7, 30636),

Gene: Ravana_53 Start: 31445, Stop: 31218, Start Num: 4
Candidate Starts for Ravana_53:
(Start: 4 @31445 has 22 MA's), (5, 31391), (6, 31388), (7, 31373),

Gene: ReMo_50 Start: 30853, Stop: 30623, Start Num: 4
Candidate Starts for ReMo_50:
(Start: 4 @30853 has 22 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 22 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 22 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 22 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 22 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 22 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 22 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 22 MA's), (5, 30651), (6, 30648), (7, 30633),

Gene: Warrior24_51 Start: 30915, Stop: 30685, Start Num: 4

Candidate Starts for Warrior24_51:

(1, 31260), (Start: 4 @30915 has 22 MA's), (5, 30861), (6, 30858), (7, 30843),