Pham 86793

1: Strosahl_45 + 1

2: Anaysia_44 + 6

3: Waits_44 + 3

4: DekHockey33_44

5: Nebulosus_43 + 4

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 86793 Report

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

Pham number 86793 has 19 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Strosahl_45, Remus_45
• Track 2 : Anaysia_44, Boohoo_44, Switzerland_44, Battleship_45, Soups_44, ShayRa_45, KatherineG_45
• Track 3 : Waits_44, ReMo_43, LastResort_43, MinecraftSteve_45
• Track 4 : DekHockey33_44
• Track 5 : Nebulosus_43, Looper_44, JSwag_43, Rosalind_43, Epsocamisio_43

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

The start number called the most often in the published annotations is 1, it was called in 18 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anaysia_44, Battleship_45, Boohoo_44, Epsocamisio_43, JSwag_43, KatherineG_45, LastResort_43, Looper_44, MinecraftSteve_45, Nebulosus_43, ReMo_43, Remus_45, Rosalind_43, ShayRa_45, Soups_44, Strosahl_45, Switzerland_44, Waits_44,

Genes that have the "Most Annotated" start but do not call it:
• DekHockey33_44,

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

Summary by start number:

Start 1:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 19
• Called 94.7% of time when present
• Phage (with cluster) where this start called: Anaysia_44 (A15), Battleship_45 (A15), Boohoo_44 (A15), Epsocamisio_43 (A15), JSwag_43 (A15), KatherineG_45 (A15), LastResort_43 (A15), Looper_44 (A15), MinecraftSteve_45 (A15), Nebulosus_43 (A15), ReMo_43 (A15), Remus_45 (A15), Rosalind_43 (A15), ShayRa_45 (A15),

Soups_44 (A15), Strosahl_45 (A15), Switzerland_44 (A15), Waits_44 (A15),

Start 2:
• Found in 8 of 19 (42.1%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 12.5% of time when present
• Phage (with cluster) where this start called: DekHockey33_44 (A15),

Summary by clusters:

There is one cluster represented in this pham: A15

Info for manual annotations of cluster A15:
•Start number 1 was manually annotated 18 times for cluster A15.
•Start number 2 was manually annotated 1 time for cluster A15.

Gene Information:
Gene: Anaysia_44 Start: 27487, Stop: 27239, Start Num: 1
Candidate Starts for Anaysia_44:
(Start: 1 @27487 has 18 MA's), (Start: 2 @27466 has 1 MA's), (3, 27454), (6, 27304), (7, 27295),

Gene: Battleship_45 Start: 27456, Stop: 27208, Start Num: 1
Candidate Starts for Battleship_45:
(Start: 1 @27456 has 18 MA's), (Start: 2 @27435 has 1 MA's), (3, 27423), (6, 27273), (7, 27264),

Gene: Boohoo_44 Start: 27487, Stop: 27239, Start Num: 1
Candidate Starts for Boohoo_44:
(Start: 1 @27487 has 18 MA's), (Start: 2 @27466 has 1 MA's), (3, 27454), (6, 27304), (7, 27295),

Gene: DekHockey33_44 Start: 27681, Stop: 27454, Start Num: 2
Candidate Starts for DekHockey33_44:
(Start: 1 @27702 has 18 MA's), (Start: 2 @27681 has 1 MA's), (3, 27669), (6, 27519), (7, 27510),

Gene: Epsocamisio_43 Start: 27261, Stop: 27013, Start Num: 1
Candidate Starts for Epsocamisio_43:
(Start: 1 @27261 has 18 MA's), (5, 27168), (6, 27078), (7, 27069),

Gene: JSwag_43 Start: 27199, Stop: 26951, Start Num: 1
Candidate Starts for JSwag_43:
(Start: 1 @27199 has 18 MA's), (5, 27106), (6, 27016), (7, 27007),

Gene: KatherineG_45 Start: 27702, Stop: 27454, Start Num: 1
Candidate Starts for KatherineG_45:
(Start: 1 @27702 has 18 MA's), (Start: 2 @27681 has 1 MA's), (3, 27669), (6, 27519), (7, 27510),

Gene: LastResort_43 Start: 27263, Stop: 27015, Start Num: 1
Candidate Starts for LastResort_43:
(Start: 1 @27263 has 18 MA's), (4, 27218), (5, 27170), (6, 27080), (7, 27071),

Gene: Looper_44 Start: 27240, Stop: 26992, Start Num: 1

Candidate Starts for Looper_44:
(Start: 1 @27240 has 18 MA's), (5, 27147), (6, 27057), (7, 27048),

Gene: MinecraftSteve_45 Start: 27463, Stop: 27215, Start Num: 1
Candidate Starts for MinecraftSteve_45:
(Start: 1 @27463 has 18 MA's), (4, 27418), (5, 27370), (6, 27280), (7, 27271),

Gene: Nebulosus_43 Start: 27259, Stop: 27011, Start Num: 1
Candidate Starts for Nebulosus_43:
(Start: 1 @27259 has 18 MA's), (5, 27166), (6, 27076), (7, 27067),

Gene: ReMo_43 Start: 27260, Stop: 27012, Start Num: 1
Candidate Starts for ReMo_43:
(Start: 1 @27260 has 18 MA's), (4, 27215), (5, 27167), (6, 27077), (7, 27068),

Gene: Remus_45 Start: 27622, Stop: 27374, Start Num: 1
Candidate Starts for Remus_45:
(Start: 1 @27622 has 18 MA's), (4, 27577), (5, 27529), (6, 27439), (7, 27430),

Gene: Rosalind_43 Start: 27382, Stop: 27134, Start Num: 1
Candidate Starts for Rosalind_43:
(Start: 1 @27382 has 18 MA's), (5, 27289), (6, 27199), (7, 27190),

Gene: ShayRa_45 Start: 27464, Stop: 27216, Start Num: 1
Candidate Starts for ShayRa_45:
(Start: 1 @27464 has 18 MA's), (Start: 2 @27443 has 1 MA's), (3, 27431), (6, 27281), (7, 27272),

Gene: Soups_44 Start: 27463, Stop: 27215, Start Num: 1
Candidate Starts for Soups_44:
(Start: 1 @27463 has 18 MA's), (Start: 2 @27442 has 1 MA's), (3, 27430), (6, 27280), (7, 27271),

Gene: Strosahl_45 Start: 27622, Stop: 27374, Start Num: 1
Candidate Starts for Strosahl_45:
(Start: 1 @27622 has 18 MA's), (4, 27577), (5, 27529), (6, 27439), (7, 27430),

Gene: Switzerland_44 Start: 27562, Stop: 27314, Start Num: 1
Candidate Starts for Switzerland_44:
(Start: 1 @27562 has 18 MA's), (Start: 2 @27541 has 1 MA's), (3, 27529), (6, 27379), (7, 27370),

Gene: Waits_44 Start: 27355, Stop: 27107, Start Num: 1
Candidate Starts for Waits_44:
(Start: 1 @27355 has 18 MA's), (4, 27310), (5, 27262), (6, 27172), (7, 27163),