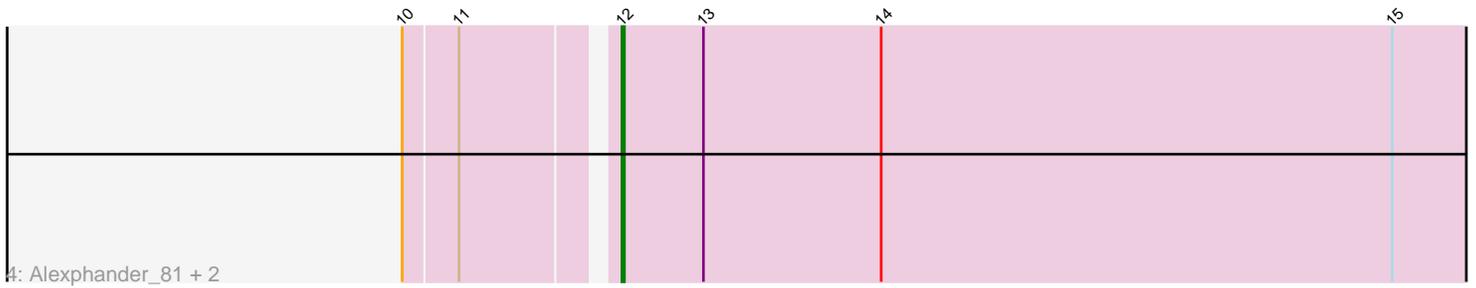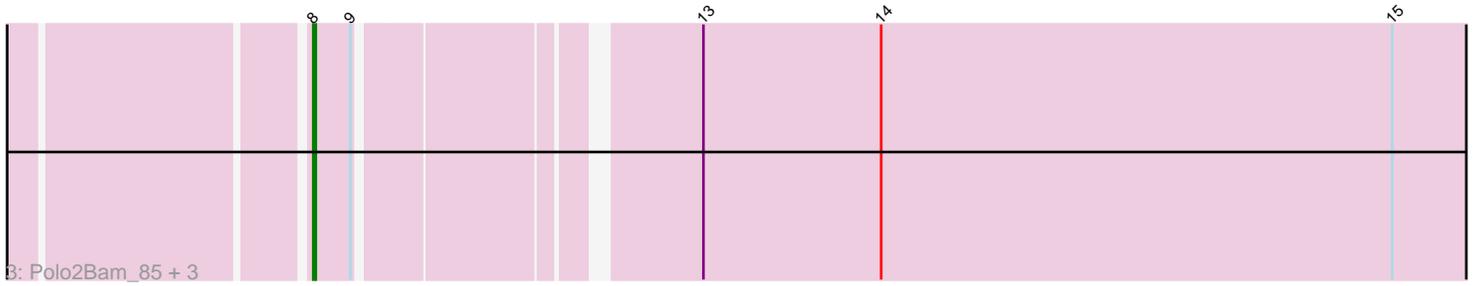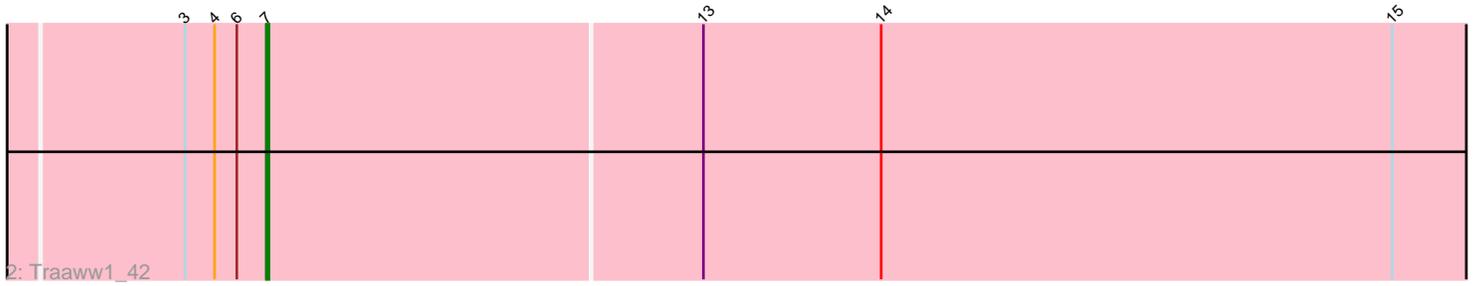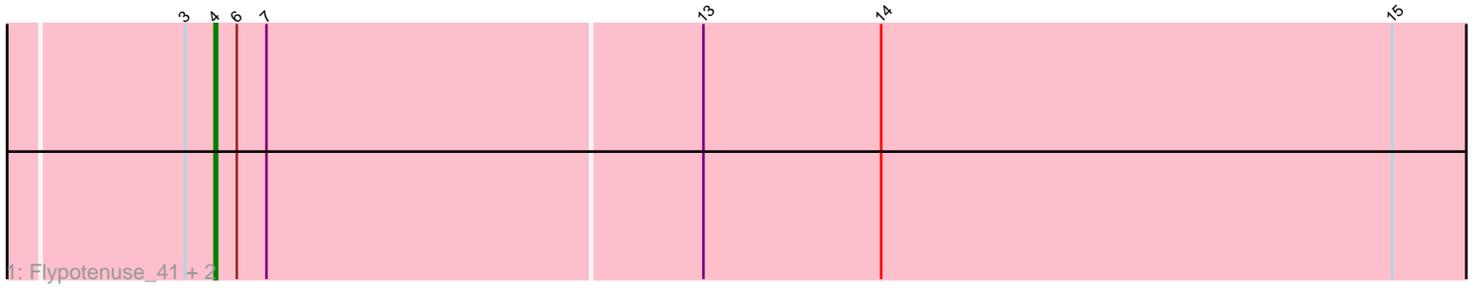# Pham 286057

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 286057 Report

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

Pham number 286057 has 12 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Flypotenuse_41, Harella_46, Glexan_44
• Track 2 : Traaww1_42
• Track 3 : Polo2Bam_85, NewHope4_80, MilleniumForce_79, Enzomatic_86
• Track 4 : Alexphander_81, GUmbie_75, RockyHorror_82
• Track 5 : Kimberlium_79

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 3 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Flypotenuse_41, Glexan_44, Harella_46,

Genes that have the "Most Annotated" start but do not call it:
• Traaww1_42,

Genes that do not have the "Most Annotated" start:
• Alexphander_81, Enzomatic_86, GUmbie_75, Kimberlium_79, MilleniumForce_79, NewHope4_80, Polo2Bam_85, RockyHorror_82,

Summary by start number:

Start 1:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kimberlium_79 (F1),

Start 4:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 75.0% of time when present

• Phage (with cluster) where this start called: Flypotenuse_41 (E), Glexan_44 (E), Harella_46 (E),

Start 7:
• Found in 5 of 12 (41.7%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Traaww1_42 (E),

Start 8:
• Found in 4 of 12 (33.3%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Enzomatic_86 (F1), MilleniumForce_79 (F1), NewHope4_80 (F1), Polo2Bam_85 (F1),

Start 12:
• Found in 3 of 12 (25.0%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alexphander_81 (F1), GUmbie_75 (F1), RockyHorror_82 (F1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, E,

Info for manual annotations of cluster E:
•Start number 4 was manually annotated 3 times for cluster E.
•Start number 7 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster F1:
•Start number 1 was manually annotated 1 time for cluster F1.
•Start number 8 was manually annotated 2 times for cluster F1.
•Start number 12 was manually annotated 3 times for cluster F1.

Gene Information:
Gene: Alexphander_81 Start: 49209, Stop: 49616, Start Num: 12
Candidate Starts for Alexphander_81:
(10, 49134), (11, 49155), (Start: 12 @49209 has 3 MA's), (13, 49242), (14, 49314), (15, 49521),

Gene: Enzomatic_86 Start: 46381, Stop: 46890, Start Num: 8
Candidate Starts for Enzomatic_86:
(Start: 8 @46381 has 2 MA's), (9, 46396), (13, 46516), (14, 46588), (15, 46795),

Gene: Flypotenuse_41 Start: 35378, Stop: 34809, Start Num: 4
Candidate Starts for Flypotenuse_41:
(3, 35390), (Start: 4 @35378 has 3 MA's), (6, 35369), (Start: 7 @35357 has 1 MA's), (13, 35183), (14, 35111), (15, 34904),

Gene: GUmbie_75 Start: 47968, Stop: 48375, Start Num: 12
Candidate Starts for GUmbie_75:
(10, 47893), (11, 47914), (Start: 12 @47968 has 3 MA's), (13, 48001), (14, 48073), (15, 48280),

Gene: Glexan_44 Start: 36505, Stop: 35936, Start Num: 4
Candidate Starts for Glexan_44:
(3, 36517), (Start: 4 @36505 has 3 MA's), (6, 36496), (Start: 7 @36484 has 1 MA's), (13, 36310), (14, 36238), (15, 36031),

Gene: Harella_46 Start: 37021, Stop: 36452, Start Num: 4
Candidate Starts for Harella_46:
(3, 37033), (Start: 4 @37021 has 3 MA's), (6, 37012), (Start: 7 @37000 has 1 MA's), (13, 36826), (14, 36754), (15, 36547),

Gene: Kimberlium_79 Start: 47400, Stop: 48023, Start Num: 1
Candidate Starts for Kimberlium_79:
(Start: 1 @47400 has 1 MA's), (2, 47403), (5, 47460), (6, 47463), (Start: 7 @47475 has 1 MA's), (13, 47649), (14, 47721), (15, 47928),

Gene: MilleniumForce_79 Start: 48582, Stop: 49091, Start Num: 8
Candidate Starts for MilleniumForce_79:
(Start: 8 @48582 has 2 MA's), (9, 48597), (13, 48717), (14, 48789), (15, 48996),

Gene: NewHope4_80 Start: 46527, Stop: 47036, Start Num: 8
Candidate Starts for NewHope4_80:
(Start: 8 @46527 has 2 MA's), (9, 46542), (13, 46662), (14, 46734), (15, 46941),

Gene: Polo2Bam_85 Start: 46381, Stop: 46890, Start Num: 8
Candidate Starts for Polo2Bam_85:
(Start: 8 @46381 has 2 MA's), (9, 46396), (13, 46516), (14, 46588), (15, 46795),

Gene: RockyHorror_82 Start: 47978, Stop: 48385, Start Num: 12
Candidate Starts for RockyHorror_82:
(10, 47903), (11, 47924), (Start: 12 @47978 has 3 MA's), (13, 48011), (14, 48083), (15, 48290),

Gene: Traaww1_42 Start: 35825, Stop: 35277, Start Num: 7
Candidate Starts for Traaww1_42:
(3, 35858), (Start: 4 @35846 has 3 MA's), (6, 35837), (Start: 7 @35825 has 1 MA's), (13, 35651), (14, 35579), (15, 35372),