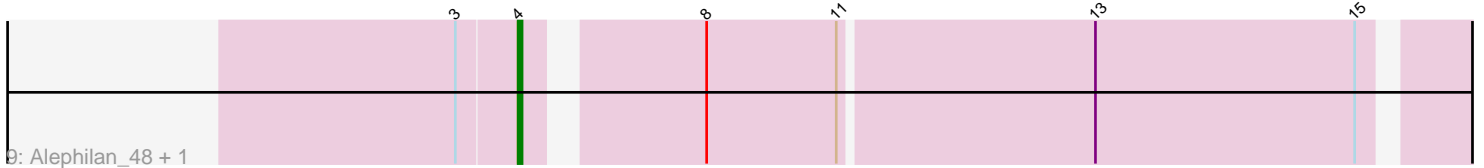
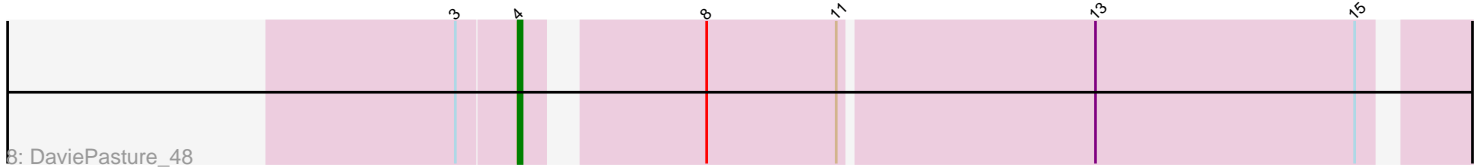
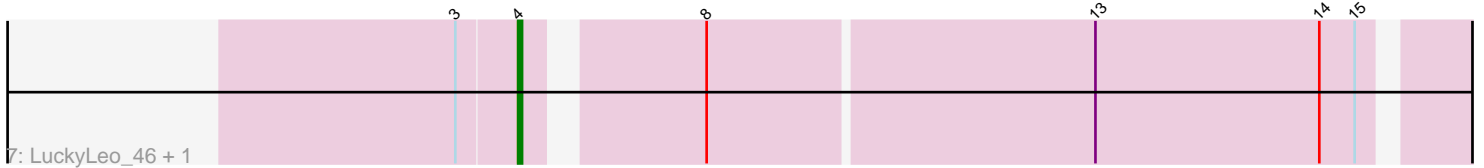
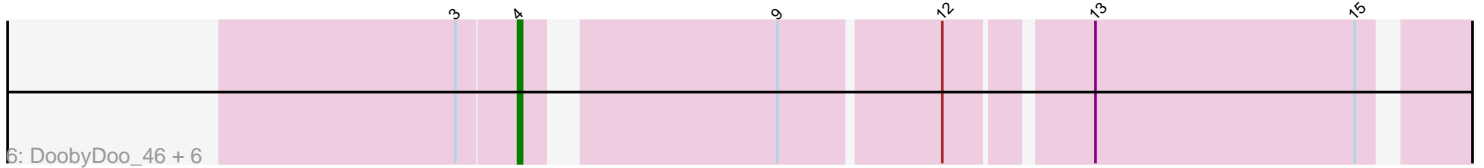
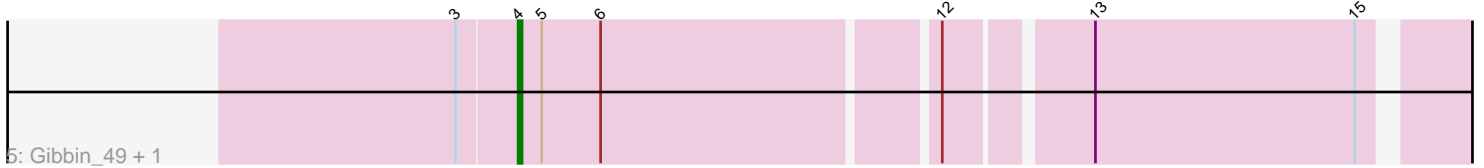
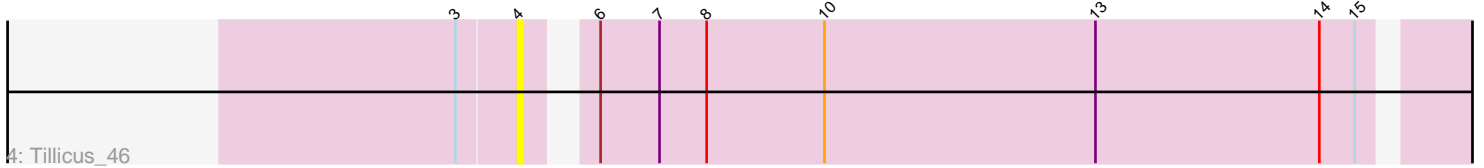
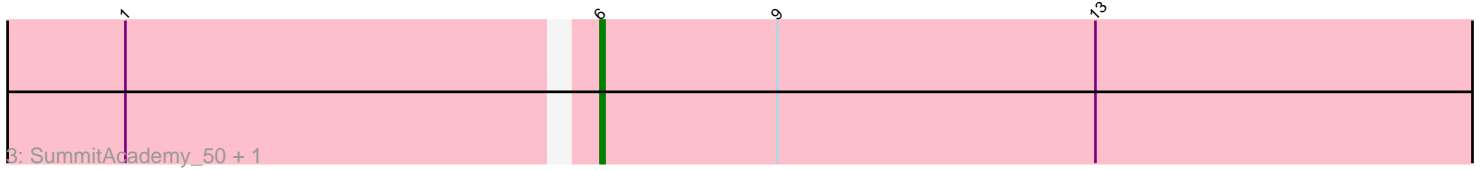
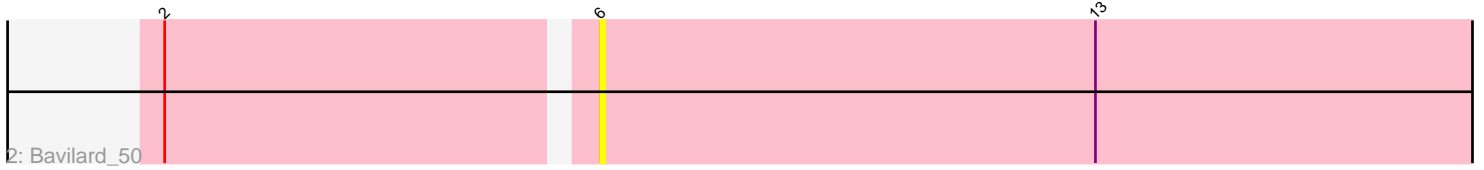
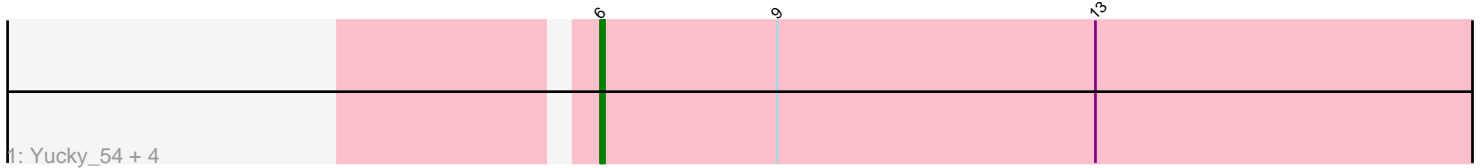


Pham 216518



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 216518 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216518 has 23 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Yucky_54, BigChungus_50, Feastonyeet_50, SheckWes_54, Vine_53
- Track 2 : Bavidard_50
- Track 3 : SummitAcademy_50, PotPie_50
- Track 4 : Tillicus_46
- Track 5 : Gibbin_49, Mima20_49
- Track 6 : DoobyDoo_46, Patos_50, NorManre_50, Sampudon_48, Yikes_49, LavAbarElk_47, Jalebi_47
- Track 7 : LuckyLeo_46, Apeppi_44
- Track 8 : DaviePasture_48
- Track 9 : Alephilan_48, MoiGyank_51

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 11 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alephilan_48, Apeppi_44, DaviePasture_48, DoobyDoo_46, Gibbin_49, Jalebi_47, LavAbarElk_47, LuckyLeo_46, Mima20_49, MoiGyank_51, NorManre_50, Patos_50, Sampudon_48, Tillicus_46, Yikes_49,

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

-

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

- Bavidard_50, BigChungus_50, Feastonyeet_50, PotPie_50, SheckWes_54, SummitAcademy_50, Vine_53, Yucky_54,

Summary by start number:

Start 4:

- Found in 15 of 23 (65.2%) of genes in pham
- Manual Annotations of this start: 11 of 17
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Alephilan_48 (DV), Apeppi_44 (DV), DaviePasture_48 (DV), DoobyDoo_46 (DV), Gibbin_49 (DV), Jalebi_47 (DV), LavAbarElk_47 (DV), LuckyLeo_46 (DV), Mima20_49 (DV), MoiGyank_51 (DV), NorManre_50 (DV), Patos_50 (DV), Sampudon_48 (DV), Tillicus_46 (DV), Yikes_49 (DV),

Start 6:

- Found in 11 of 23 (47.8%) of genes in pham
- Manual Annotations of this start: 6 of 17
- Called 72.7% of time when present
- Phage (with cluster) where this start called: Bavidard_50 (CT), BigChungus_50 (CT), Feastonyeet_50 (CT), PotPie_50 (CT), SheckWes_54 (CT), SummitAcademy_50 (CT), Vine_53 (CT), Yucky_54 (CT),

Summary by clusters:

There are 2 clusters represented in this pham: DV, CT,

Info for manual annotations of cluster CT:

- Start number 6 was manually annotated 6 times for cluster CT.

Info for manual annotations of cluster DV:

- Start number 4 was manually annotated 11 times for cluster DV.

Gene Information:

Gene: Alephilan_48 Start: 36046, Stop: 36309, Start Num: 4

Candidate Starts for Alephilan_48:

(3, 36031), (Start: 4 @36046 has 11 MA's), (8, 36085), (11, 36118), (13, 36181), (15, 36247),

Gene: Apeppi_44 Start: 35547, Stop: 35813, Start Num: 4

Candidate Starts for Apeppi_44:

(3, 35532), (Start: 4 @35547 has 11 MA's), (8, 35586), (13, 35682), (14, 35739), (15, 35748),

Gene: Bavidard_50 Start: 37060, Stop: 36800, Start Num: 6

Candidate Starts for Bavidard_50:

(2, 37162), (Start: 6 @37060 has 6 MA's), (13, 36934),

Gene: BigChungus_50 Start: 37182, Stop: 36934, Start Num: 6

Candidate Starts for BigChungus_50:

(Start: 6 @37182 has 6 MA's), (9, 37137), (13, 37056),

Gene: DaviePasture_48 Start: 36390, Stop: 36653, Start Num: 4

Candidate Starts for DaviePasture_48:

(3, 36375), (Start: 4 @36390 has 11 MA's), (8, 36429), (11, 36462), (13, 36525), (15, 36591),

Gene: DoobyDoo_46 Start: 35210, Stop: 35467, Start Num: 4

Candidate Starts for DoobyDoo_46:

(3, 35195), (Start: 4 @35210 has 11 MA's), (9, 35267), (12, 35306), (13, 35339), (15, 35405),

Gene: Feastonyeet_50 Start: 37182, Stop: 36934, Start Num: 6

Candidate Starts for Feastonyeet_50:
(Start: 6 @37182 has 6 MA's), (9, 37137), (13, 37056),

Gene: Gibbin_49 Start: 36699, Stop: 36962, Start Num: 4
Candidate Starts for Gibbin_49:
(3, 36684), (Start: 4 @36699 has 11 MA's), (5, 36705), (Start: 6 @36720 has 6 MA's), (12, 36801), (13, 36834), (15, 36900),

Gene: Jalebi_47 Start: 37127, Stop: 37381, Start Num: 4
Candidate Starts for Jalebi_47:
(3, 37112), (Start: 4 @37127 has 11 MA's), (9, 37184), (12, 37220), (13, 37253), (15, 37319),

Gene: LavAbarElk_47 Start: 35268, Stop: 35522, Start Num: 4
Candidate Starts for LavAbarElk_47:
(3, 35253), (Start: 4 @35268 has 11 MA's), (9, 35325), (12, 35361), (13, 35394), (15, 35460),

Gene: LuckyLeo_46 Start: 35547, Stop: 35813, Start Num: 4
Candidate Starts for LuckyLeo_46:
(3, 35532), (Start: 4 @35547 has 11 MA's), (8, 35586), (13, 35682), (14, 35739), (15, 35748),

Gene: Mima20_49 Start: 36290, Stop: 36553, Start Num: 4
Candidate Starts for Mima20_49:
(3, 36275), (Start: 4 @36290 has 11 MA's), (5, 36296), (Start: 6 @36311 has 6 MA's), (12, 36392), (13, 36425), (15, 36491),

Gene: MoiGyank_51 Start: 37187, Stop: 37450, Start Num: 4
Candidate Starts for MoiGyank_51:
(3, 37172), (Start: 4 @37187 has 11 MA's), (8, 37226), (11, 37259), (13, 37322), (15, 37388),

Gene: NorManre_50 Start: 36408, Stop: 36662, Start Num: 4
Candidate Starts for NorManre_50:
(3, 36393), (Start: 4 @36408 has 11 MA's), (9, 36465), (12, 36501), (13, 36534), (15, 36600),

Gene: Patos_50 Start: 36407, Stop: 36661, Start Num: 4
Candidate Starts for Patos_50:
(3, 36392), (Start: 4 @36407 has 11 MA's), (9, 36464), (12, 36500), (13, 36533), (15, 36599),

Gene: PotPie_50 Start: 38217, Stop: 37969, Start Num: 6
Candidate Starts for PotPie_50:
(1, 38331), (Start: 6 @38217 has 6 MA's), (9, 38172), (13, 38091),

Gene: Sampudon_48 Start: 37127, Stop: 37381, Start Num: 4
Candidate Starts for Sampudon_48:
(3, 37112), (Start: 4 @37127 has 11 MA's), (9, 37184), (12, 37220), (13, 37253), (15, 37319),

Gene: SheckWes_54 Start: 37265, Stop: 37017, Start Num: 6
Candidate Starts for SheckWes_54:
(Start: 6 @37265 has 6 MA's), (9, 37220), (13, 37139),

Gene: SummitAcademy_50 Start: 37363, Stop: 37115, Start Num: 6
Candidate Starts for SummitAcademy_50:
(1, 37477), (Start: 6 @37363 has 6 MA's), (9, 37318), (13, 37237),

Gene: Tillicus_46 Start: 35474, Stop: 35743, Start Num: 4

Candidate Starts for Tillicus_46:

(3, 35459), (Start: 4 @35474 has 11 MA's), (Start: 6 @35486 has 6 MA's), (7, 35501), (8, 35513), (10, 35543), (13, 35612), (14, 35669), (15, 35678),

Gene: Vine_53 Start: 37983, Stop: 37735, Start Num: 6

Candidate Starts for Vine_53:

(Start: 6 @37983 has 6 MA's), (9, 37938), (13, 37857),

Gene: Yikes_49 Start: 37194, Stop: 37448, Start Num: 4

Candidate Starts for Yikes_49:

(3, 37179), (Start: 4 @37194 has 11 MA's), (9, 37251), (12, 37287), (13, 37320), (15, 37386),

Gene: Yucky_54 Start: 37775, Stop: 37527, Start Num: 6

Candidate Starts for Yucky_54:

(Start: 6 @37775 has 6 MA's), (9, 37730), (13, 37649),