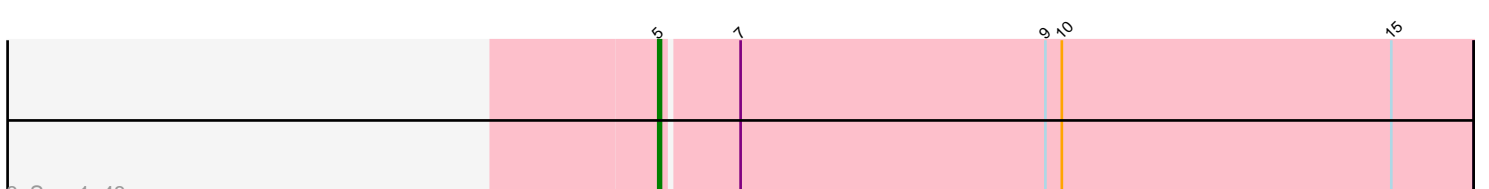
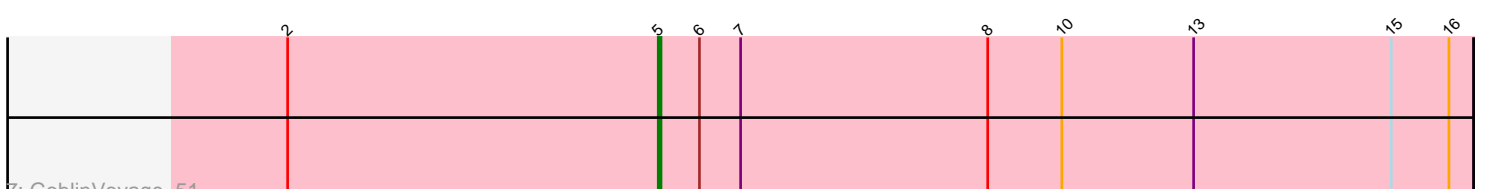
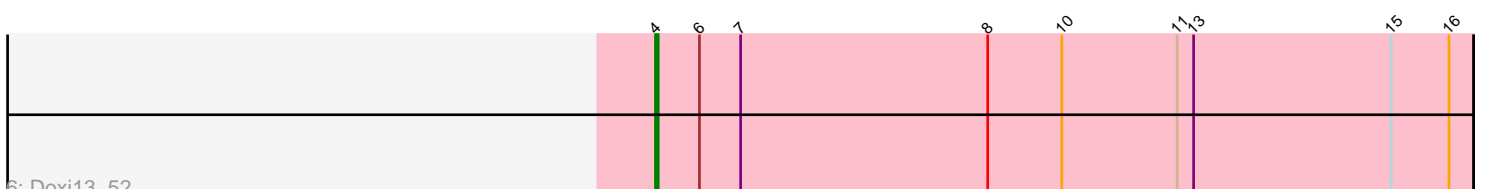
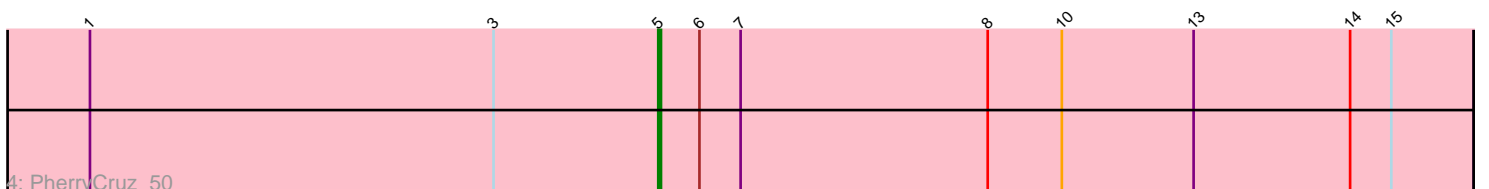
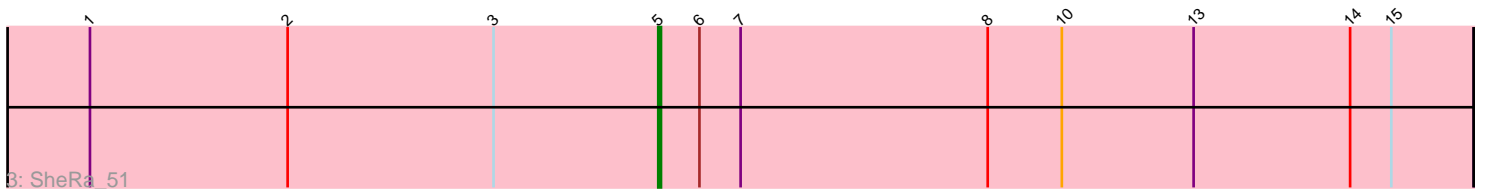
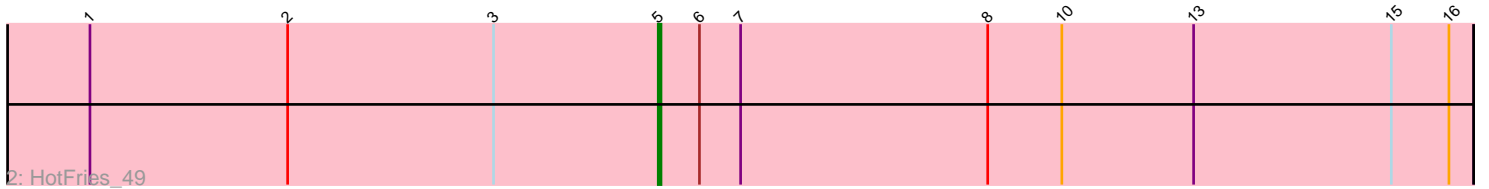
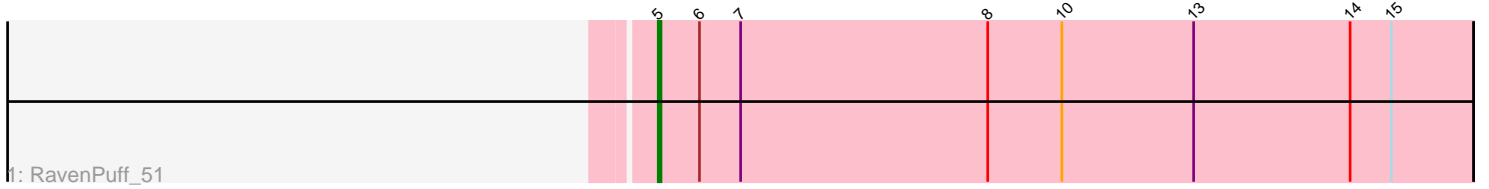


Pham 222025



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 222025 Report

This analysis was run 03/28/25 on database version 593.

Pham number 222025 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : RavenPuff_51
- Track 2 : HotFries_49
- Track 3 : SheRa_51
- Track 4 : PherryCruz_50
- Track 5 : Moozy_50, Bilo_49, Annihilus_51
- Track 6 : Doxi13_52
- Track 7 : GoblinVoyage_51
- Track 8 : Scap1_48

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

The start number called the most often in the published annotations is 5, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annihilus_51, Bilo_49, GoblinVoyage_51, HotFries_49, Moozy_50, PherryCruz_50, RavenPuff_51, Scap1_48, SheRa_51,

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

-

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

- Doxi13_52,

Summary by start number:

Start 4:

- Found in 1 of 10 (10.0%) 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: Doxi13_52 (BI2),

Start 5:

- Found in 9 of 10 (90.0%) of genes in pham

- Manual Annotations of this start: 9 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annihilus_51 (BI2), Bilo_49 (BI2), GoblinVoyage_51 (BI2), HotFries_49 (BI2), Moozy_50 (BI2), PherryCruz_50 (BI2), RavenPuff_51 (BI2), Scap1_48 (BI2), SheRa_51 (BI2),

Summary by clusters:

There is one cluster represented in this pham: BI2

Info for manual annotations of cluster BI2:

- Start number 4 was manually annotated 1 time for cluster BI2.
- Start number 5 was manually annotated 9 times for cluster BI2.

Gene Information:

Gene: Annihilus_51 Start: 36508, Stop: 36804, Start Num: 5

Candidate Starts for Annihilus_51:

(Start: 5 @36508 has 9 MA's), (6, 36523), (7, 36538), (8, 36628), (10, 36655), (12, 36700), (13, 36703), (15, 36775),

Gene: Bilo_49 Start: 36687, Stop: 36980, Start Num: 5

Candidate Starts for Bilo_49:

(Start: 5 @36687 has 9 MA's), (6, 36702), (7, 36717), (8, 36804), (10, 36831), (12, 36876), (13, 36879), (15, 36951),

Gene: Doxi13_52 Start: 36646, Stop: 36942, Start Num: 4

Candidate Starts for Doxi13_52:

(Start: 4 @36646 has 1 MA's), (6, 36661), (7, 36676), (8, 36766), (10, 36793), (11, 36835), (13, 36841), (15, 36913), (16, 36934),

Gene: GoblinVoyage_51 Start: 36491, Stop: 36787, Start Num: 5

Candidate Starts for GoblinVoyage_51:

(2, 36356), (Start: 5 @36491 has 9 MA's), (6, 36506), (7, 36521), (8, 36611), (10, 36638), (13, 36686), (15, 36758), (16, 36779),

Gene: HotFries_49 Start: 36681, Stop: 36977, Start Num: 5

Candidate Starts for HotFries_49:

(1, 36474), (2, 36546), (3, 36621), (Start: 5 @36681 has 9 MA's), (6, 36696), (7, 36711), (8, 36801), (10, 36828), (13, 36876), (15, 36948), (16, 36969),

Gene: Moozy_50 Start: 36492, Stop: 36788, Start Num: 5

Candidate Starts for Moozy_50:

(Start: 5 @36492 has 9 MA's), (6, 36507), (7, 36522), (8, 36612), (10, 36639), (12, 36684), (13, 36687), (15, 36759),

Gene: PherryCruz_50 Start: 36673, Stop: 36969, Start Num: 5

Candidate Starts for PherryCruz_50:

(1, 36466), (3, 36613), (Start: 5 @36673 has 9 MA's), (6, 36688), (7, 36703), (8, 36793), (10, 36820), (13, 36868), (14, 36925), (15, 36940),

Gene: RavenPuff_51 Start: 36642, Stop: 36938, Start Num: 5

Candidate Starts for RavenPuff_51:

(Start: 5 @36642 has 9 MA's), (6, 36657), (7, 36672), (8, 36762), (10, 36789), (13, 36837), (14, 36894), (15, 36909),

Gene: Scap1_48 Start: 36052, Stop: 36345, Start Num: 5

Candidate Starts for Scap1_48:

(Start: 5 @36052 has 9 MA's), (7, 36079), (9, 36190), (10, 36196), (15, 36316),

Gene: SheRa_51 Start: 36558, Stop: 36854, Start Num: 5

Candidate Starts for SheRa_51:

(1, 36351), (2, 36423), (3, 36498), (Start: 5 @36558 has 9 MA's), (6, 36573), (7, 36588), (8, 36678), (10, 36705), (13, 36753), (14, 36810), (15, 36825),