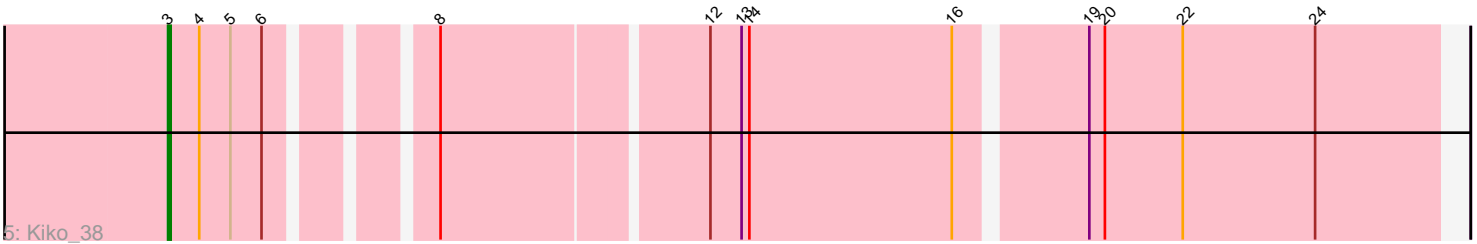
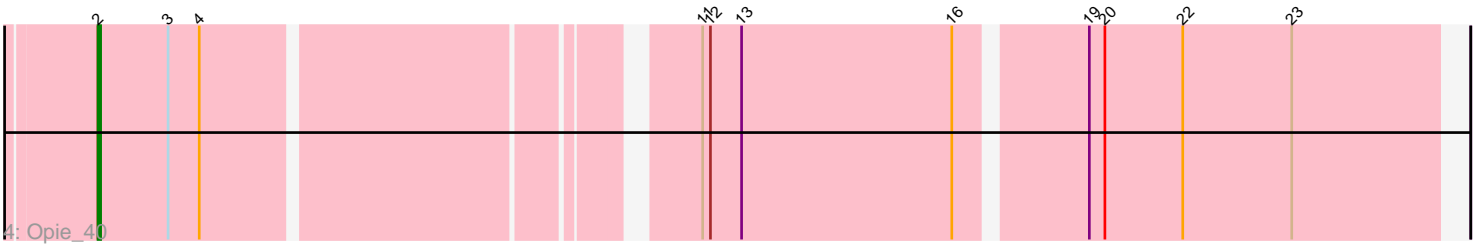
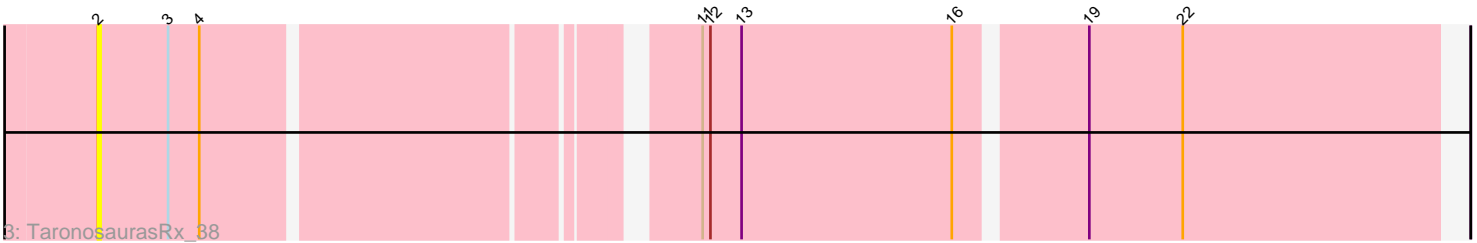
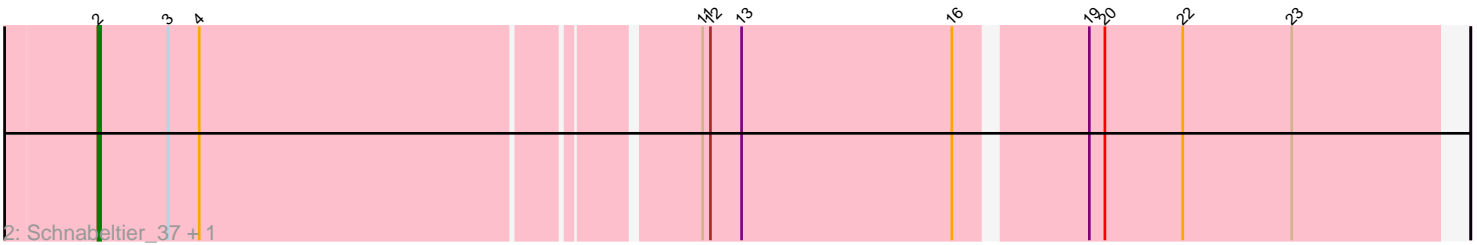
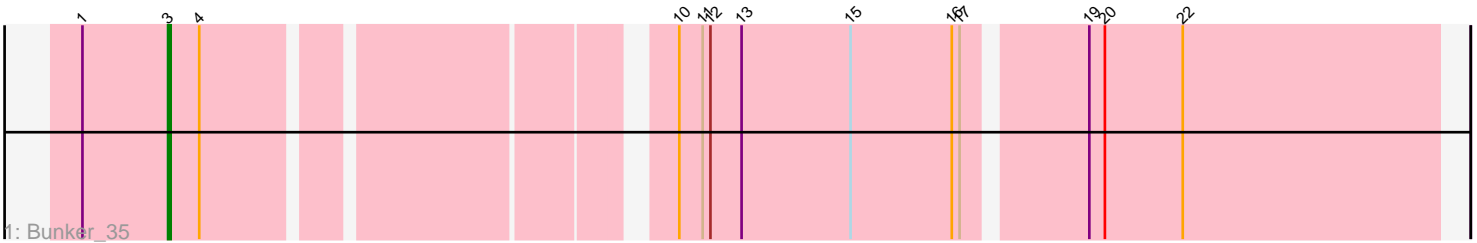


Pham 88105



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 88105 Report

This analysis was run 04/28/24 on database version 559.

Pham number 88105 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Bunker_35
- Track 2 : Schnabeltier_37, MagicMan_37
- Track 3 : TaronosaurusRx_38
- Track 4 : Opie_40
- Track 5 : Kiko_38
- Track 6 : GAL1_79

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- MagicMan_37, Opie_40, Schnabeltier_37, TaronosaurusRx_38,

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

-

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

- Bunker_35, GAL1_79, Kiko_38,

Summary by start number:

Start 2:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MagicMan_37 (DB), Opie_40 (DB), Schnabeltier_37 (DB), TaronosaurusRx_38 (DB),

Start 3:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 33.3% of time when present

- Phage (with cluster) where this start called: Bunker_35 (DB), Kiko_38 (DB),

Start 7:

- Found in 1 of 7 (14.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GAL1_79 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, DB,

Info for manual annotations of cluster DB:

- Start number 2 was manually annotated 3 times for cluster DB.
- Start number 3 was manually annotated 2 times for cluster DB.

Gene Information:

Gene: Bunker_35 Start: 29669, Stop: 30121, Start Num: 3

Candidate Starts for Bunker_35:

(1, 29636), (Start: 3 @29669 has 2 MA's), (4, 29681), (10, 29837), (11, 29846), (12, 29849), (13, 29861), (15, 29903), (16, 29942), (17, 29945), (19, 29987), (20, 29993), (22, 30023),

Gene: GAL1_79 Start: 48135, Stop: 48575, Start Num: 7

Candidate Starts for GAL1_79:

(7, 48135), (9, 48240), (18, 48390), (20, 48438), (21, 48441), (25, 48561),

Gene: Kiko_38 Start: 29956, Stop: 30411, Start Num: 3

Candidate Starts for Kiko_38:

(Start: 3 @29956 has 2 MA's), (4, 29968), (5, 29980), (6, 29992), (8, 30043), (12, 30139), (13, 30151), (14, 30154), (16, 30232), (19, 30277), (20, 30283), (22, 30313), (24, 30364),

Gene: MagicMan_37 Start: 30586, Stop: 31080, Start Num: 2

Candidate Starts for MagicMan_37:

(Start: 2 @30586 has 3 MA's), (Start: 3 @30613 has 2 MA's), (4, 30625), (11, 30805), (12, 30808), (13, 30820), (16, 30901), (19, 30946), (20, 30952), (22, 30982), (23, 31024),

Gene: Opie_40 Start: 31031, Stop: 31513, Start Num: 2

Candidate Starts for Opie_40:

(Start: 2 @31031 has 3 MA's), (Start: 3 @31058 has 2 MA's), (4, 31070), (11, 31238), (12, 31241), (13, 31253), (16, 31334), (19, 31379), (20, 31385), (22, 31415), (23, 31457),

Gene: Schnabeltier_37 Start: 30216, Stop: 30710, Start Num: 2

Candidate Starts for Schnabeltier_37:

(Start: 2 @30216 has 3 MA's), (Start: 3 @30243 has 2 MA's), (4, 30255), (11, 30435), (12, 30438), (13, 30450), (16, 30531), (19, 30576), (20, 30582), (22, 30612), (23, 30654),

Gene: TaronosaurusRx_38 Start: 29160, Stop: 29642, Start Num: 2

Candidate Starts for TaronosaurusRx_38:

(Start: 2 @29160 has 3 MA's), (Start: 3 @29187 has 2 MA's), (4, 29199), (11, 29367), (12, 29370), (13, 29382), (16, 29463), (19, 29508), (22, 29544),

