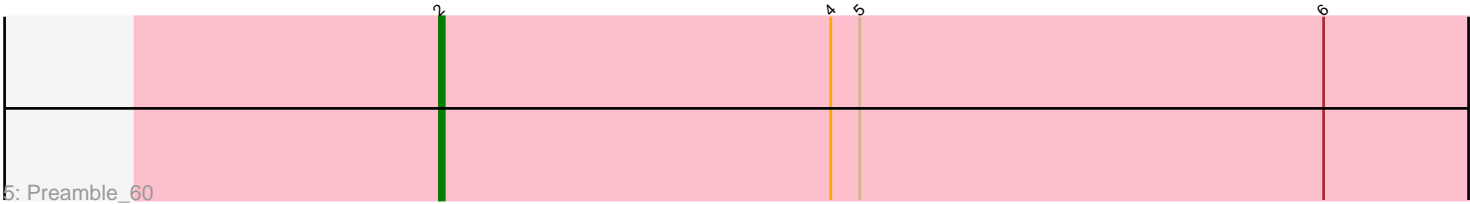
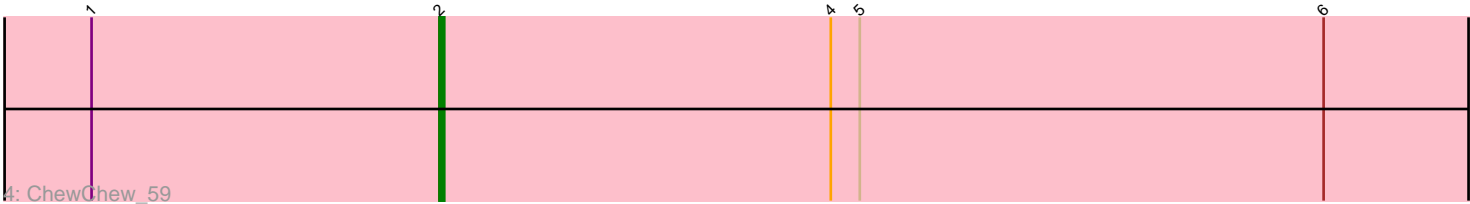
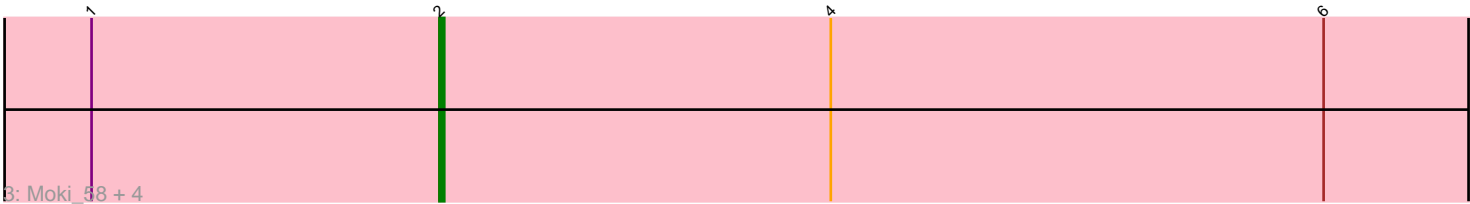
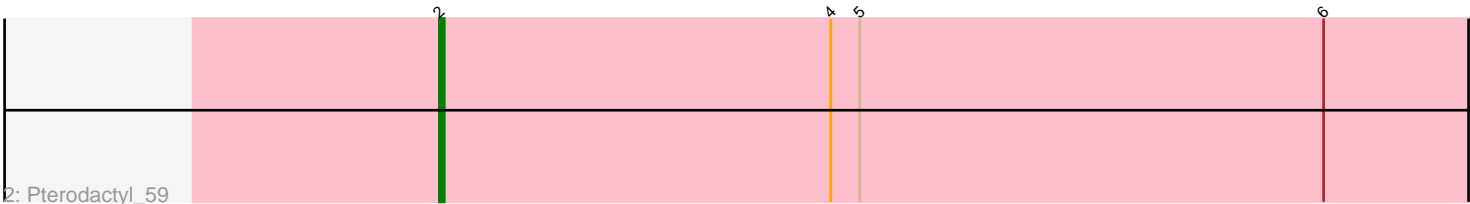
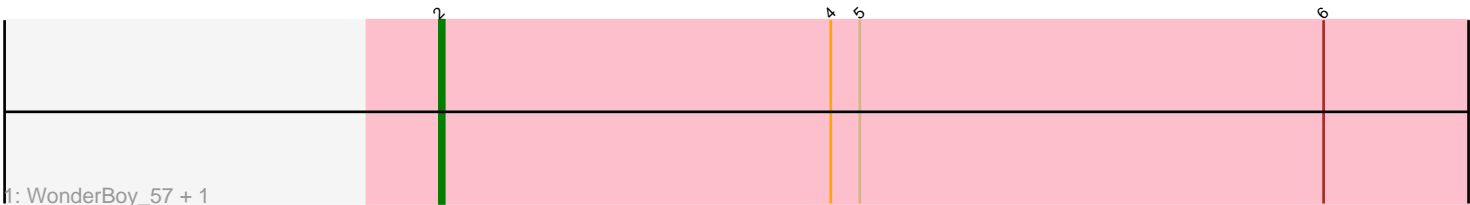


Pham 5639



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 5639 Report

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

Pham number 5639 has 12 members, 2 are drafts.

Phages represented in each track:

- Track 1 : WonderBoy_57, Makoto_58
- Track 2 : Pterodactyl_59
- Track 3 : Moki_58, Bennie_59, Huckleberry_58, Beethoven_59, HeadNerd_58
- Track 4 : ChewChew_59
- Track 5 : Preamble_60
- Track 6 : Hum25_74
- Track 7 : Pitbull_76

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

Genes that call this "Most Annotated" start:

- Beethoven_59, Bennie_59, ChewChew_59, HeadNerd_58, Huckleberry_58, Hum25_74, Makoto_58, Moki_58, Pitbull_76, Preamble_60, Pterodactyl_59, WonderBoy_57,

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

-

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

-

Summary by start number:

Start 2:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beethoven_59 (AK), Bennie_59 (AK), ChewChew_59 (AK), HeadNerd_58 (AK), Huckleberry_58 (AK), Hum25_74 (FQ), Makoto_58 (AK), Moki_58 (AK), Pitbull_76 (FQ), Preamble_60 (AK), Pterodactyl_59 (AK), WonderBoy_57 (AK),

Summary by clusters:

There are 2 clusters represented in this pham: FQ, AK,

Info for manual annotations of cluster AK:

- Start number 2 was manually annotated 10 times for cluster AK.

Gene Information:

Gene: Beethoven_59 Start: 42791, Stop: 43021, Start Num: 2

Candidate Starts for Beethoven_59:

(1, 42719), (Start: 2 @42791 has 10 MA's), (4, 42872), (6, 42974),

Gene: Bennie_59 Start: 41931, Stop: 42161, Start Num: 2

Candidate Starts for Bennie_59:

(1, 41859), (Start: 2 @41931 has 10 MA's), (4, 42012), (6, 42114),

Gene: ChewChew_59 Start: 42489, Stop: 42719, Start Num: 2

Candidate Starts for ChewChew_59:

(1, 42417), (Start: 2 @42489 has 10 MA's), (4, 42570), (5, 42576), (6, 42672),

Gene: HeadNerd_58 Start: 41825, Stop: 42055, Start Num: 2

Candidate Starts for HeadNerd_58:

(1, 41753), (Start: 2 @41825 has 10 MA's), (4, 41906), (6, 42008),

Gene: Huckleberry_58 Start: 41829, Stop: 42059, Start Num: 2

Candidate Starts for Huckleberry_58:

(1, 41757), (Start: 2 @41829 has 10 MA's), (4, 41910), (6, 42012),

Gene: Hum25_74 Start: 40795, Stop: 41019, Start Num: 2

Candidate Starts for Hum25_74:

(Start: 2 @40795 has 10 MA's), (4, 40876), (5, 40882),

Gene: Makoto_58 Start: 41957, Stop: 42187, Start Num: 2

Candidate Starts for Makoto_58:

(Start: 2 @41957 has 10 MA's), (4, 42038), (5, 42044), (6, 42140),

Gene: Moki_58 Start: 42018, Stop: 42248, Start Num: 2

Candidate Starts for Moki_58:

(1, 41946), (Start: 2 @42018 has 10 MA's), (4, 42099), (6, 42201),

Gene: Pitbull_76 Start: 40224, Stop: 40448, Start Num: 2

Candidate Starts for Pitbull_76:

(Start: 2 @40224 has 10 MA's), (3, 40239), (5, 40311),

Gene: Preamble_60 Start: 42253, Stop: 42483, Start Num: 2

Candidate Starts for Preamble_60:

(Start: 2 @42253 has 10 MA's), (4, 42334), (5, 42340), (6, 42436),

Gene: Pterodactyl_59 Start: 42324, Stop: 42554, Start Num: 2
Candidate Starts for Pterodactyl_59:
(Start: 2 @42324 has 10 MA's), (4, 42405), (5, 42411), (6, 42507),

Gene: WonderBoy_57 Start: 41785, Stop: 42015, Start Num: 2
Candidate Starts for WonderBoy_57:
(Start: 2 @41785 has 10 MA's), (4, 41866), (5, 41872), (6, 41968),