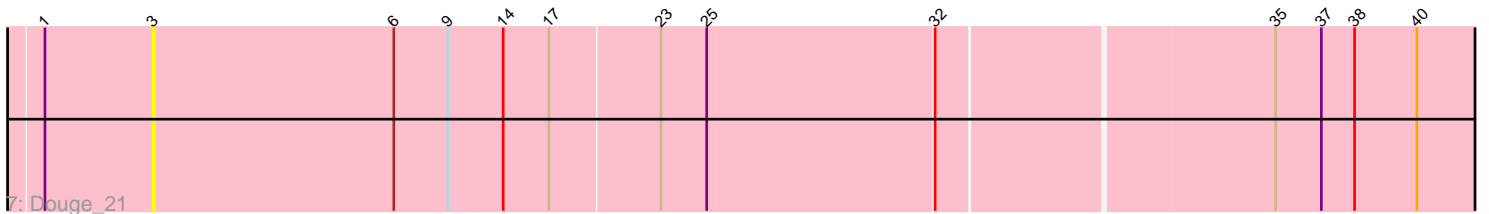
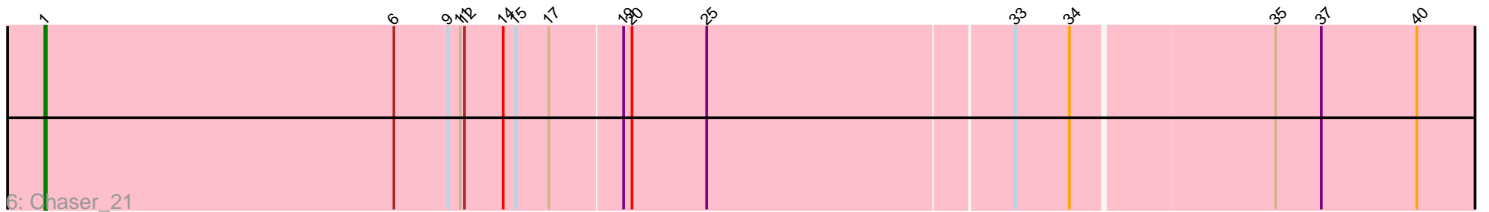
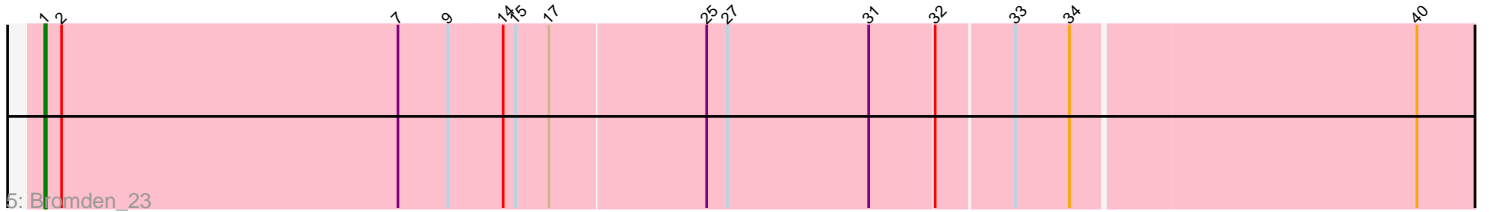
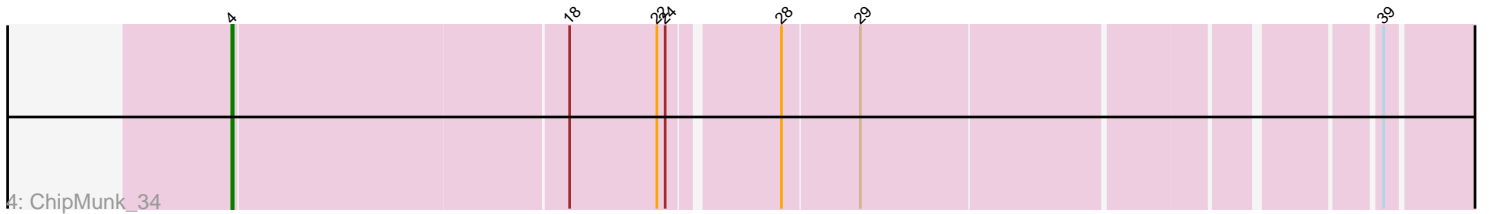
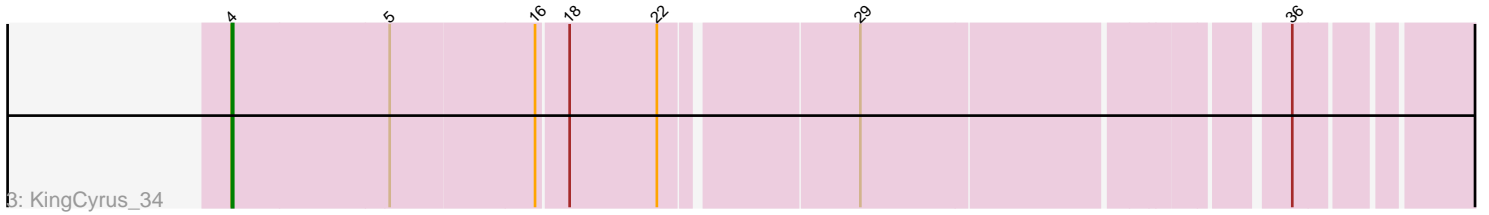
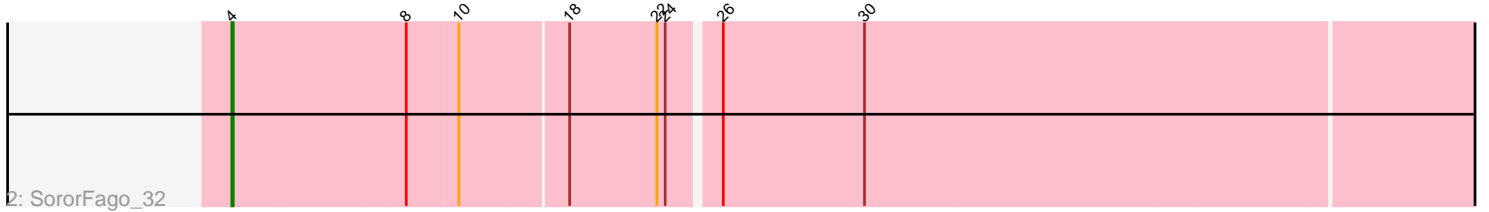
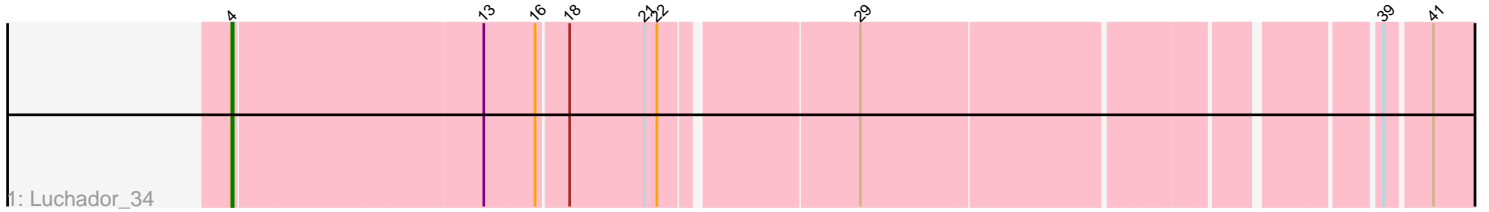


Pham 158433



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 158433 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158433 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Luchador_34
- Track 2 : SororFago_32
- Track 3 : KingCyrus_34
- Track 4 : ChipMunk_34
- Track 5 : Bromden_23
- Track 6 : Chaser_21
- Track 7 : Douge_21

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 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ChipMunk_34, KingCyrus_34, Luchador_34, SororFago_32,

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

-

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

- Bromden_23, Chaser_21, Douge_21,

Summary by start number:

Start 1:

- Found in 3 of 7 (42.9%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Bromden_23 (L4), Chaser_21 (L4),

Start 3:

- 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: Douge_21 (L4),

Start 4:

- Found in 4 of 7 (57.1%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ChipMunk_34 (A2), KingCyrus_34 (A2), Luchador_34 (A14), SororFago_32 (A14),

Summary by clusters:

There are 3 clusters represented in this pham: A14, L4, A2,

Info for manual annotations of cluster A14:

- Start number 4 was manually annotated 2 times for cluster A14.

Info for manual annotations of cluster A2:

- Start number 4 was manually annotated 2 times for cluster A2.

Info for manual annotations of cluster L4:

- Start number 1 was manually annotated 2 times for cluster L4.

Gene Information:

Gene: Bromden_23 Start: 22120, Stop: 23205, Start Num: 1

Candidate Starts for Bromden_23:

(Start: 1 @22120 has 2 MA's), (2, 22132), (7, 22375), (9, 22411), (14, 22450), (15, 22459), (17, 22483), (25, 22594), (27, 22609), (31, 22711), (32, 22756), (33, 22810), (34, 22849), (40, 23092),

Gene: Chaser_21 Start: 21531, Stop: 22616, Start Num: 1

Candidate Starts for Chaser_21:

(Start: 1 @21531 has 2 MA's), (6, 21783), (9, 21822), (11, 21831), (12, 21834), (14, 21861), (15, 21870), (17, 21894), (19, 21945), (20, 21951), (25, 22005), (33, 22221), (34, 22260), (35, 22401), (37, 22434), (40, 22503),

Gene: ChipMunk_34 Start: 25662, Stop: 26558, Start Num: 4

Candidate Starts for ChipMunk_34:

(Start: 4 @25662 has 4 MA's), (18, 25893), (22, 25956), (24, 25962), (28, 26034), (29, 26088), (39, 26424),

Gene: Douge_21 Start: 21547, Stop: 22554, Start Num: 3

Candidate Starts for Douge_21:

(Start: 1 @21469 has 2 MA's), (3, 21547), (6, 21721), (9, 21760), (14, 21799), (17, 21832), (23, 21910), (25, 21943), (32, 22105), (35, 22339), (37, 22372), (38, 22396), (40, 22441),

Gene: KingCyrus_34 Start: 25662, Stop: 26561, Start Num: 4

Candidate Starts for KingCyrus_34:

(Start: 4 @25662 has 4 MA's), (5, 25773), (16, 25875), (18, 25896), (22, 25959), (29, 26091), (36, 26373),

Gene: Luchador_34 Start: 25731, Stop: 26627, Start Num: 4

Candidate Starts for Luchador_34:

(Start: 4 @25731 has 4 MA's), (13, 25905), (16, 25941), (18, 25962), (21, 26016), (22, 26025), (29, 26157), (39, 26493), (41, 26523),

Gene: SororFago_32 Start: 24455, Stop: 25399, Start Num: 4

Candidate Starts for SororFago_32:

(Start: 4 @24455 has 4 MA's), (8, 24578), (10, 24614), (18, 24689), (22, 24752), (24, 24758), (26, 24791), (30, 24893),