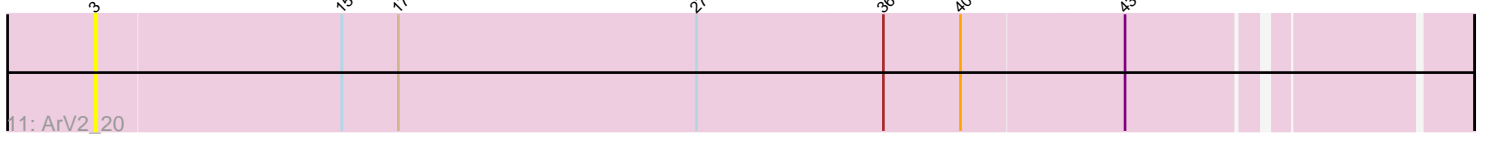
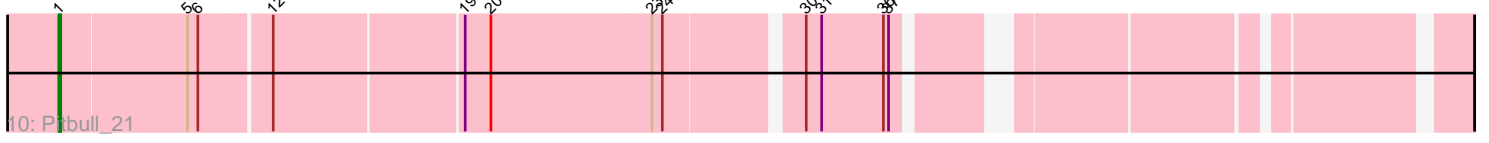
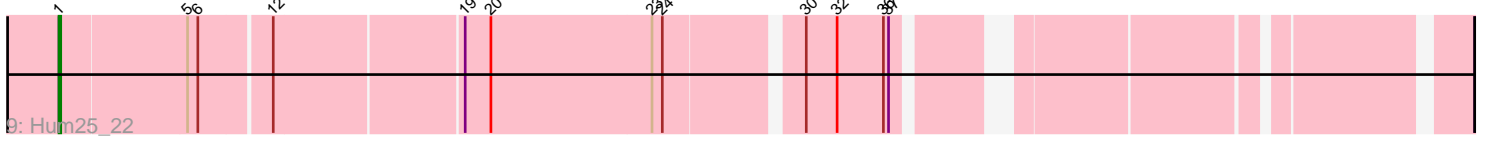
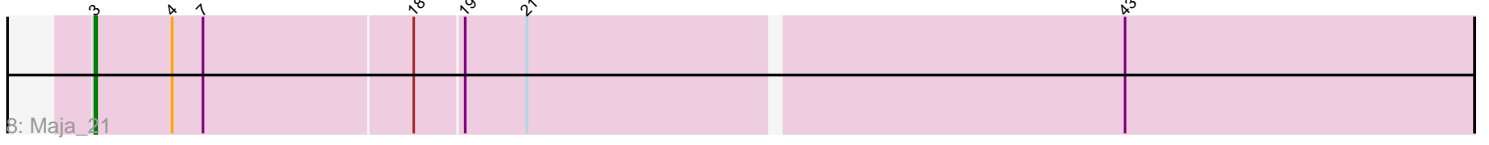
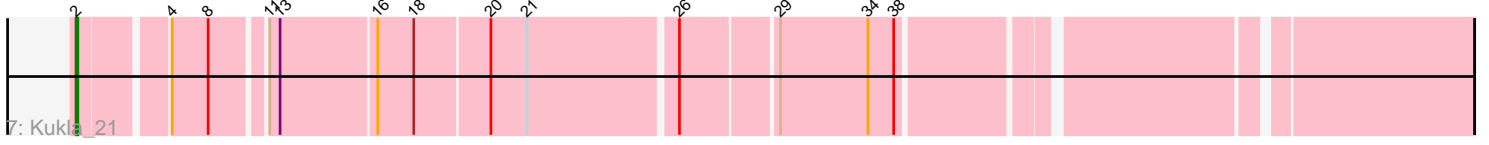
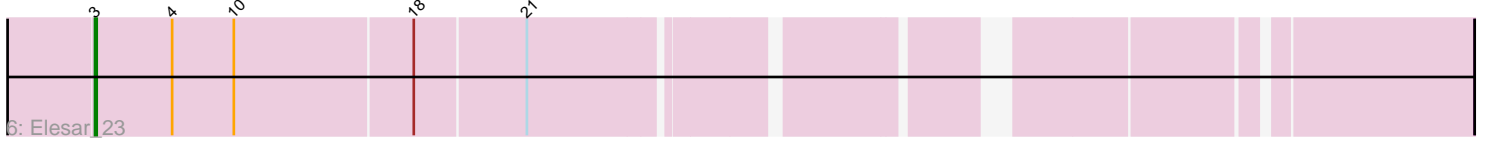
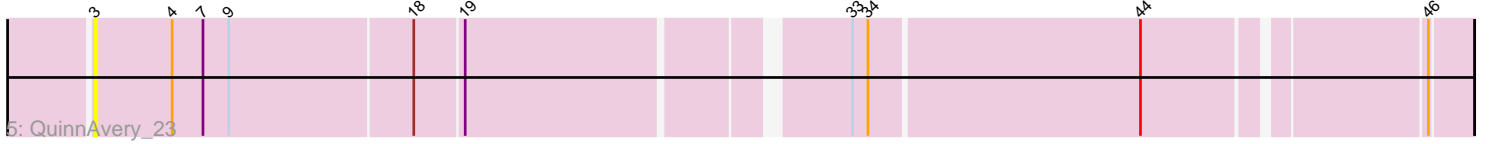
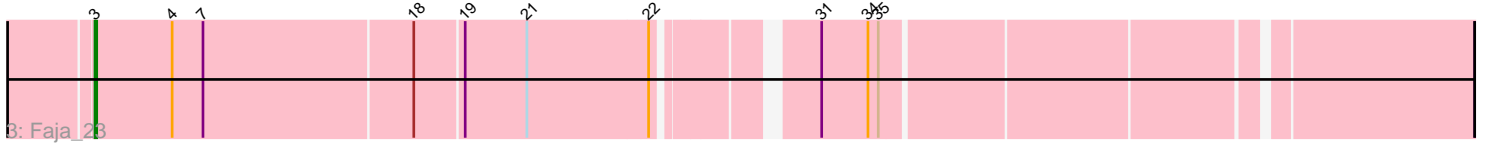
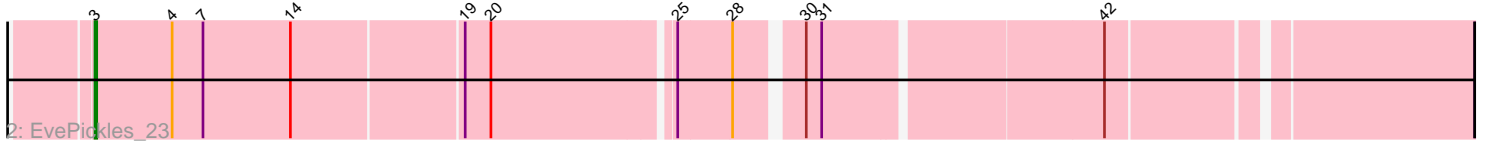
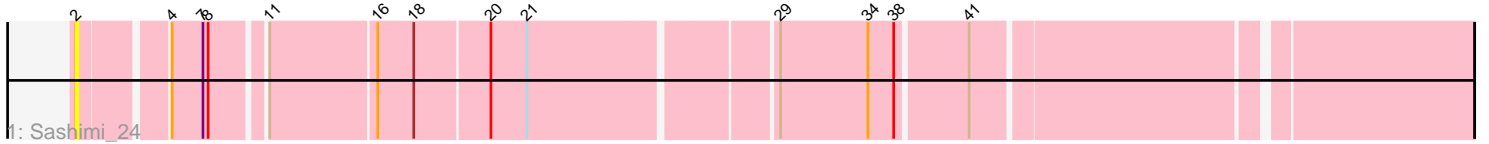


Pham 194524



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 194524 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194524 has 11 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Sashimi_24
- Track 2 : EvePickles_23
- Track 3 : Faja_23
- Track 4 : Cole_22
- Track 5 : QuinnAvery_23
- Track 6 : Elesar_23
- Track 7 : Kukla_21
- Track 8 : Maja_21
- Track 9 : Hum25_22
- Track 10 : Pitbull_21
- Track 11 : ArV2_20

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ArV2_20, Cole_22, Elesar_23, EvePickles_23, Faja_23, Maja_21, QuinnAvery_23,

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

-

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

- Hum25_22, Kukla_21, Pitbull_21, Sashimi_24,

Summary by start number:

Start 1:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hum25_22 (FQ), Pitbull_21 (FQ),

Start 2:

- Found in 2 of 11 (18.2%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kukla_21 (FJ), Sashimi_24 (AY),

Start 3:

- Found in 7 of 11 (63.6%) of genes in pham
- Manual Annotations of this start: 5 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ArV2_20 (singleton), Cole_22 (FF), Elesar_23 (FF), EvePickles_23 (AY), Faja_23 (AY), Maja_21 (FO), QuinnAvery_23 (FF),

Summary by clusters:

There are 6 clusters represented in this pham: FQ, singleton, FF, AY, FJ, FO,

Info for manual annotations of cluster AY:

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

Info for manual annotations of cluster FF:

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

Info for manual annotations of cluster FJ:

- Start number 2 was manually annotated 1 time for cluster FJ.

Info for manual annotations of cluster FO:

- Start number 3 was manually annotated 1 time for cluster FO.

Info for manual annotations of cluster FQ:

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

Gene Information:

Gene: ArV2_20 Start: 16169, Stop: 16945, Start Num: 3

Candidate Starts for ArV2_20:

(Start: 3 @16169 has 5 MA's), (15, 16310), (17, 16343), (27, 16517), (36, 16625), (40, 16670), (43, 16763),

Gene: Cole_22 Start: 17696, Stop: 18433, Start Num: 3

Candidate Starts for Cole_22:

(Start: 3 @17696 has 5 MA's), (4, 17741), (7, 17759), (10, 17777), (19, 17906), (39, 18146), (45, 18329), (46, 18410),

Gene: Elesar_23 Start: 18090, Stop: 18818, Start Num: 3

Candidate Starts for Elesar_23:

(Start: 3 @18090 has 5 MA's), (4, 18135), (10, 18171), (18, 18273), (21, 18336),

Gene: EvePickles_23 Start: 17293, Stop: 18039, Start Num: 3

Candidate Starts for EvePickles_23:

(Start: 3 @17293 has 5 MA's), (4, 17338), (7, 17356), (14, 17407), (19, 17503), (20, 17518), (25, 17617), (28, 17647), (30, 17680), (31, 17689), (42, 17842),

Gene: Faja_23 Start: 17189, Stop: 17932, Start Num: 3

Candidate Starts for Faja_23:

(Start: 3 @17189 has 5 MA's), (4, 17234), (7, 17252), (18, 17372), (19, 17399), (21, 17435), (22, 17504), (31, 17579), (34, 17606), (35, 17612),

Gene: Hum25_22 Start: 16282, Stop: 17019, Start Num: 1

Candidate Starts for Hum25_22:

(Start: 1 @16282 has 2 MA's), (5, 16354), (6, 16360), (12, 16399), (19, 16504), (20, 16519), (23, 16612), (24, 16618), (30, 16690), (32, 16708), (36, 16735), (37, 16738),

Gene: Kukla_21 Start: 16686, Stop: 17423, Start Num: 2

Candidate Starts for Kukla_21:

(Start: 2 @16686 has 1 MA's), (4, 16731), (8, 16752), (11, 16779), (13, 16785), (16, 16839), (18, 16860), (20, 16902), (21, 16923), (26, 17004), (29, 17055), (34, 17106), (38, 17121),

Gene: Maja_21 Start: 16955, Stop: 17737, Start Num: 3

Candidate Starts for Maja_21:

(Start: 3 @16955 has 5 MA's), (4, 17000), (7, 17018), (18, 17138), (19, 17165), (21, 17201), (43, 17534),

Gene: Pitbull_21 Start: 15912, Stop: 16649, Start Num: 1

Candidate Starts for Pitbull_21:

(Start: 1 @15912 has 2 MA's), (5, 15984), (6, 15990), (12, 16029), (19, 16134), (20, 16149), (23, 16242), (24, 16248), (30, 16320), (31, 16329), (36, 16365), (37, 16368),

Gene: QuinnAvery_23 Start: 18034, Stop: 18780, Start Num: 3

Candidate Starts for QuinnAvery_23:

(Start: 3 @18034 has 5 MA's), (4, 18079), (7, 18097), (9, 18112), (18, 18217), (19, 18244), (33, 18445), (34, 18454), (44, 18607), (46, 18757),

Gene: Sashimi_24 Start: 17313, Stop: 18059, Start Num: 2

Candidate Starts for Sashimi_24:

(Start: 2 @17313 has 1 MA's), (4, 17358), (7, 17376), (8, 17379), (11, 17406), (16, 17466), (18, 17487), (20, 17529), (21, 17550), (29, 17682), (34, 17733), (38, 17748), (41, 17787),