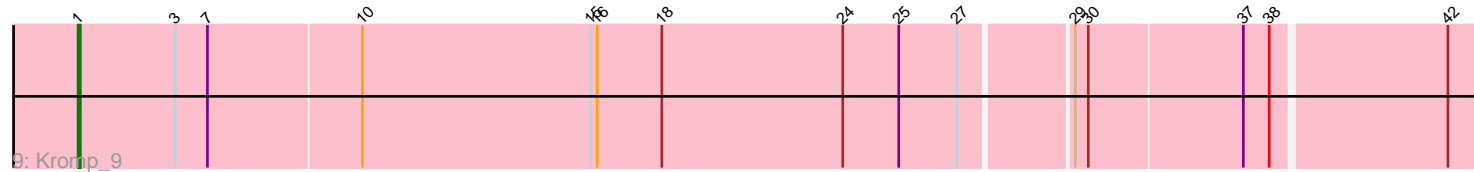
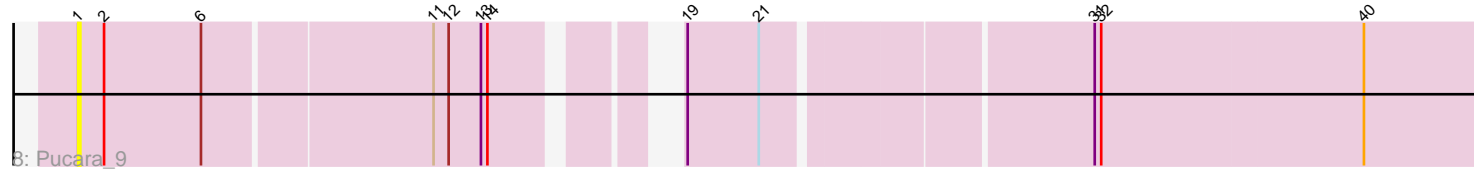
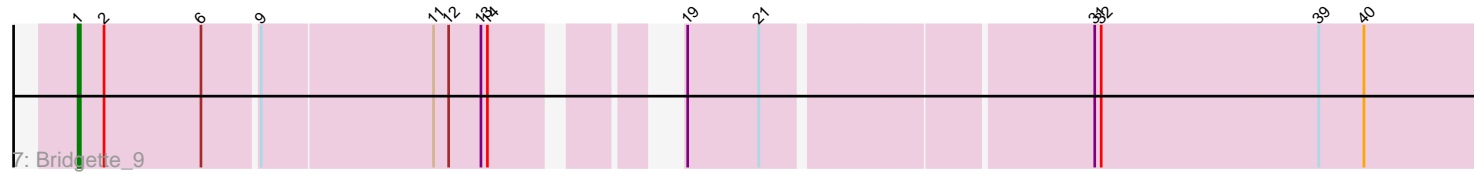
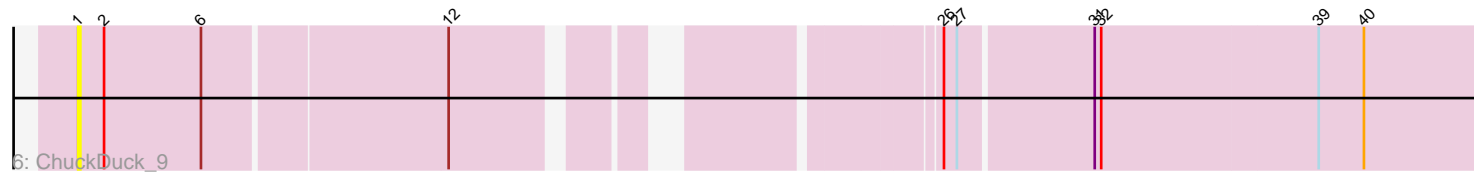
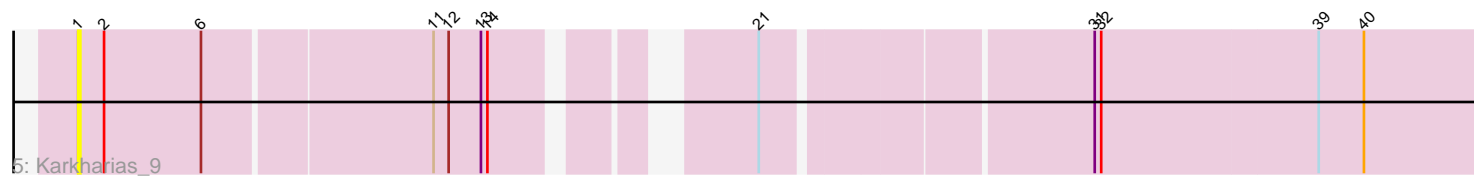
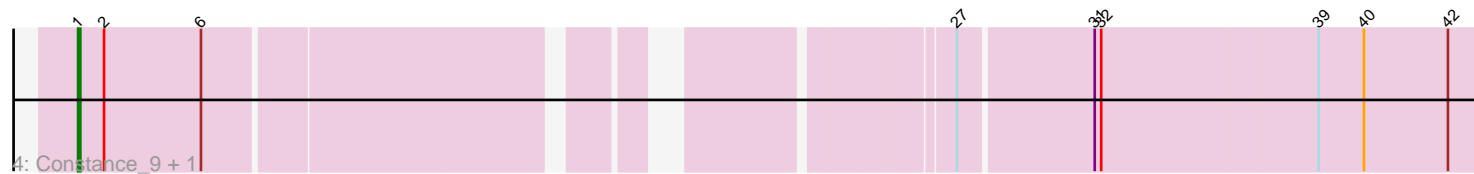
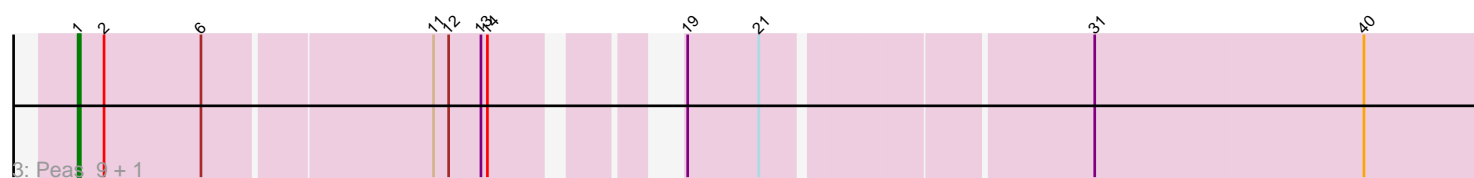
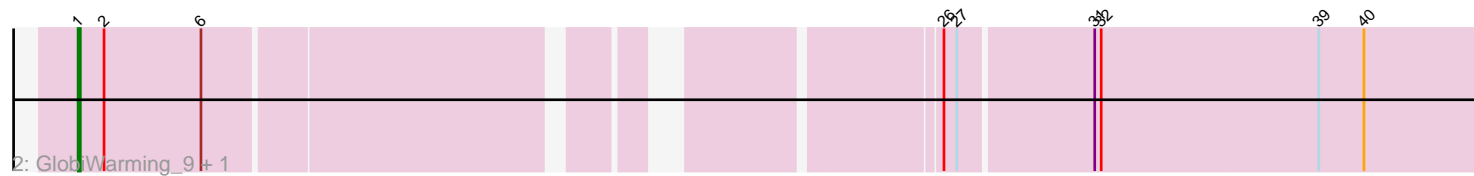
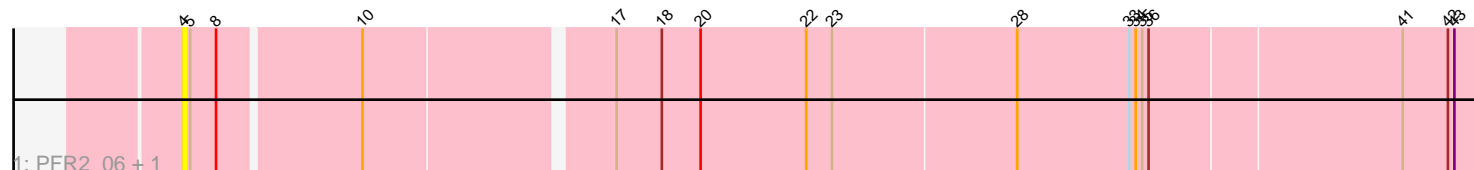


Pham 158291



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 158291 Report

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

Pham number 158291 has 13 members, 5 are drafts.

Phages represented in each track:

- Track 1 : PFR2_06, PFR1_06
- Track 2 : GlobiWarming_9, Judy_9
- Track 3 : Peas_9, Eileen_9
- Track 4 : Constance_9, PeggyLeg03_9
- Track 5 : Karkharias_9
- Track 6 : ChuckDuck_9
- Track 7 : Bridgette_9
- Track 8 : Pucara_9
- Track 9 : Kromp_9

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bridgette_9, ChuckDuck_9, Constance_9, Eileen_9, GlobiWarming_9, Judy_9, Karkharias_9, Kromp_9, Peas_9, PeggyLeg03_9, Pucara_9,

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

-

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

- PFR1_06, PFR2_06,

Summary by start number:

Start 1:

- Found in 11 of 13 (84.6%) of genes in pham
- Manual Annotations of this start: 8 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bridgette_9 (FA), ChuckDuck_9 (FA), Constance_9 (FA), Eileen_9 (FA), GlobiWarming_9 (FA), Judy_9 (FA), Karkharias_9 (FA), Kromp_9 (singleton), Peas_9 (FA), PeggyLeg03_9 (FA), Pucara_9 (FA),

Start 4:

- Found in 2 of 13 (15.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PFR1_06 (BX), PFR2_06 (BX),

Summary by clusters:

There are 3 clusters represented in this pham: FA, singleton, BX,

Info for manual annotations of cluster FA:

- Start number 1 was manually annotated 7 times for cluster FA.

Gene Information:

Gene: Bridgette_9 Start: 7210, Stop: 7803, Start Num: 1

Candidate Starts for Bridgette_9:

(Start: 1 @7210 has 8 MA's), (2, 7222), (6, 7267), (9, 7291), (11, 7369), (12, 7375), (13, 7390), (14, 7393), (19, 7453), (21, 7486), (31, 7627), (32, 7630), (39, 7729), (40, 7750),

Gene: ChuckDuck_9 Start: 7169, Stop: 7759, Start Num: 1

Candidate Starts for ChuckDuck_9:

(Start: 1 @7169 has 8 MA's), (2, 7181), (6, 7226), (12, 7334), (26, 7517), (27, 7523), (31, 7583), (32, 7586), (39, 7685), (40, 7706),

Gene: Constance_9 Start: 7215, Stop: 7805, Start Num: 1

Candidate Starts for Constance_9:

(Start: 1 @7215 has 8 MA's), (2, 7227), (6, 7272), (27, 7569), (31, 7629), (32, 7632), (39, 7731), (40, 7752), (42, 7791),

Gene: Eileen_9 Start: 7175, Stop: 7768, Start Num: 1

Candidate Starts for Eileen_9:

(Start: 1 @7175 has 8 MA's), (2, 7187), (6, 7232), (11, 7334), (12, 7340), (13, 7355), (14, 7358), (19, 7418), (21, 7451), (31, 7592), (40, 7715),

Gene: GlobiWarming_9 Start: 7170, Stop: 7760, Start Num: 1

Candidate Starts for GlobiWarming_9:

(Start: 1 @7170 has 8 MA's), (2, 7182), (6, 7227), (26, 7518), (27, 7524), (31, 7584), (32, 7587), (39, 7686), (40, 7707),

Gene: Judy_9 Start: 7214, Stop: 7804, Start Num: 1

Candidate Starts for Judy_9:

(Start: 1 @7214 has 8 MA's), (2, 7226), (6, 7271), (26, 7562), (27, 7568), (31, 7628), (32, 7631), (39, 7730), (40, 7751),

Gene: Karkharias_9 Start: 7171, Stop: 7764, Start Num: 1

Candidate Starts for Karkharias_9:

(Start: 1 @7171 has 8 MA's), (2, 7183), (6, 7228), (11, 7330), (12, 7336), (13, 7351), (14, 7354), (21, 7447), (31, 7588), (32, 7591), (39, 7690), (40, 7711),

Gene: Kromp_9 Start: 7708, Stop: 8337, Start Num: 1

Candidate Starts for Kromp_9:

(Start: 1 @7708 has 8 MA's), (3, 7753), (7, 7768), (10, 7837), (15, 7942), (16, 7945), (18, 7975), (24, 8059), (25, 8083), (27, 8110), (29, 8158), (30, 8164), (37, 8233), (38, 8245), (42, 8323),

Gene: PFR1_06 Start: 6360, Stop: 6935, Start Num: 4

Candidate Starts for PFR1_06:

(4, 6360), (5, 6363), (8, 6375), (10, 6438), (17, 6546), (18, 6567), (20, 6585), (22, 6633), (23, 6645), (28, 6729), (33, 6780), (34, 6783), (35, 6786), (36, 6789), (41, 6903), (42, 6924), (43, 6927),

Gene: PFR2_06 Start: 6360, Stop: 6935, Start Num: 4

Candidate Starts for PFR2_06:

(4, 6360), (5, 6363), (8, 6375), (10, 6438), (17, 6546), (18, 6567), (20, 6585), (22, 6633), (23, 6645), (28, 6729), (33, 6780), (34, 6783), (35, 6786), (36, 6789), (41, 6903), (42, 6924), (43, 6927),

Gene: Peas_9 Start: 7175, Stop: 7768, Start Num: 1

Candidate Starts for Peas_9:

(Start: 1 @7175 has 8 MA's), (2, 7187), (6, 7232), (11, 7334), (12, 7340), (13, 7355), (14, 7358), (19, 7418), (21, 7451), (31, 7592), (40, 7715),

Gene: PeggyLeg03_9 Start: 7215, Stop: 7805, Start Num: 1

Candidate Starts for PeggyLeg03_9:

(Start: 1 @7215 has 8 MA's), (2, 7227), (6, 7272), (27, 7569), (31, 7629), (32, 7632), (39, 7731), (40, 7752), (42, 7791),

Gene: Pucara_9 Start: 7174, Stop: 7767, Start Num: 1

Candidate Starts for Pucara_9:

(Start: 1 @7174 has 8 MA's), (2, 7186), (6, 7231), (11, 7333), (12, 7339), (13, 7354), (14, 7357), (19, 7417), (21, 7450), (31, 7591), (32, 7594), (40, 7714),