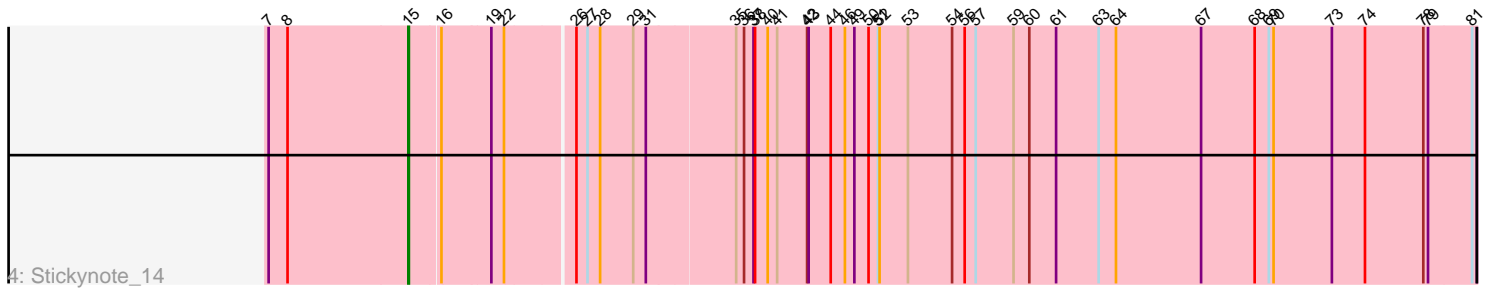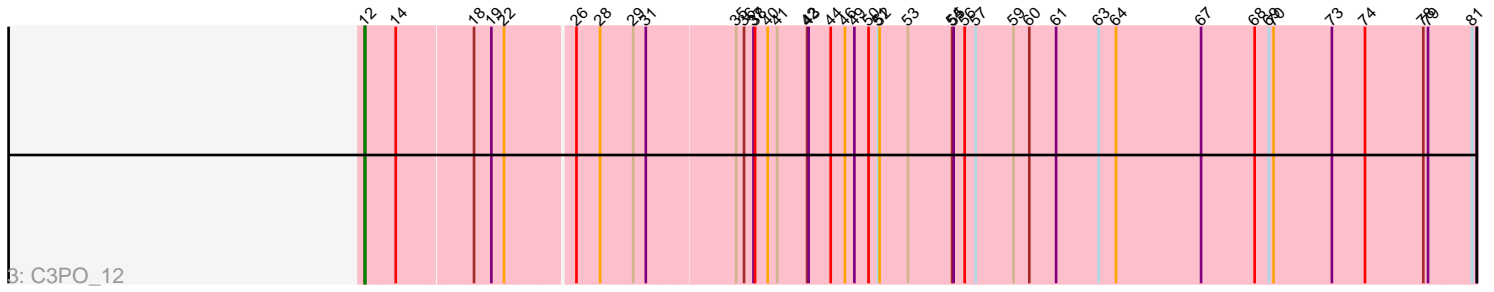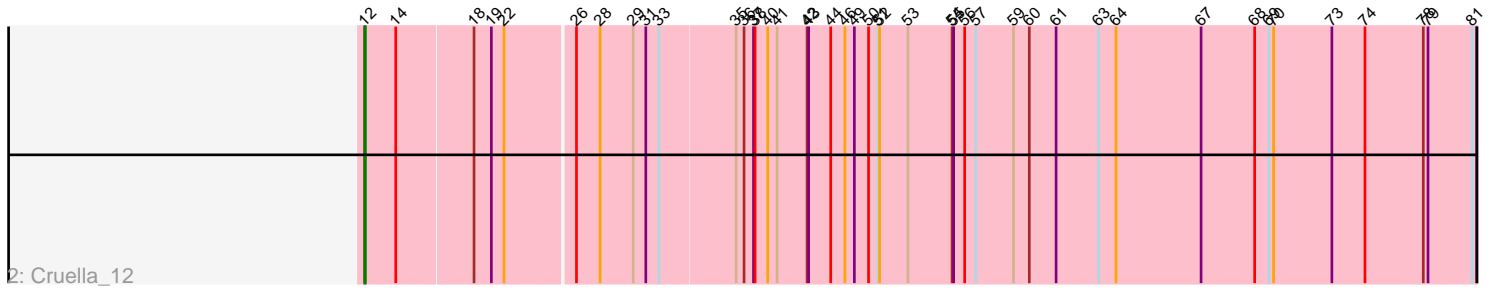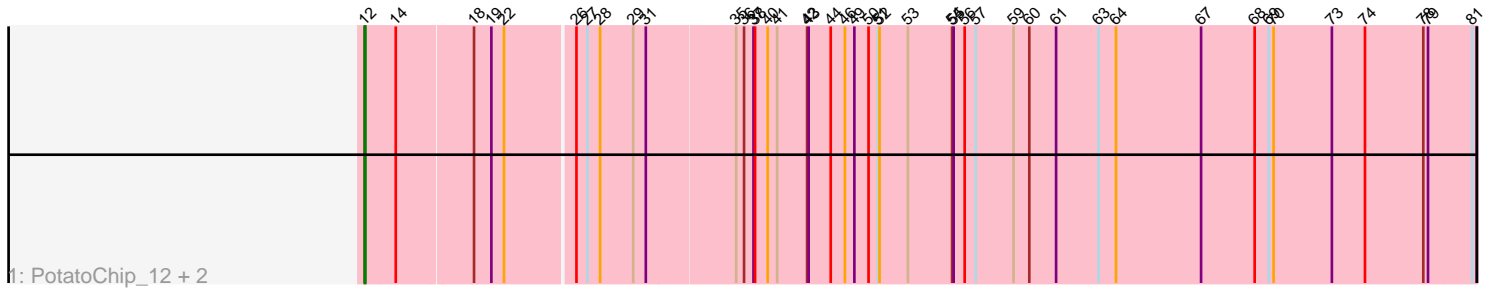# Pham 197176

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 197176 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197176 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : PotatoChip_12, Zion_12, PeteyPab_12
• Track 2 : Cruella_12
• Track 3 : C3PO_12
• Track 4 : Stickynote_14
• Track 5 : P1201_27

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

The start number called the most often in the published annotations is 12, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• C3PO_12, Cruella_12, PeteyPab_12, PotatoChip_12, Zion_12,

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

Genes that do not have the "Most Annotated" start:
• P1201_27, Stickynote_14,

Summary by start number:

Start 1:
• 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: P1201_27 (singleton),

Start 12:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: C3PO_12 (EN), Cruella_12 (EN), PeteyPab_12 (EN), PotatoChip_12 (EN), Zion_12 (EN),

Start 15:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stickynote_14 (EN),

Summary by clusters:

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

Info for manual annotations of cluster EN:
•Start number 12 was manually annotated 5 times for cluster EN.
•Start number 15 was manually annotated 1 time for cluster EN.

Gene Information:
Gene: C3PO_12 Start: 6699, Stop: 8765, Start Num: 12
Candidate Starts for C3PO_12:
(Start: 12 @6699 has 5 MA's), (14, 6756), (18, 6894), (19, 6924), (22, 6948), (26, 7065), (28, 7110), (29, 7173), (31, 7197), (35, 7359), (36, 7374), (37, 7392), (38, 7395), (40, 7419), (41, 7437), (42, 7494), (43, 7497), (44, 7539), (46, 7566), (49, 7584), (50, 7611), (51, 7629), (52, 7632), (53, 7686), (54, 7770), (55, 7773), (56, 7794), (57, 7815), (59, 7887), (60, 7917), (61, 7968), (63, 8049), (64, 8082), (67, 8244), (68, 8346), (69, 8373), (70, 8382), (73, 8493), (74, 8556), (78, 8667), (79, 8676), (81, 8757),

Gene: Cruella_12 Start: 6699, Stop: 8765, Start Num: 12
Candidate Starts for Cruella_12:
(Start: 12 @6699 has 5 MA's), (14, 6756), (18, 6894), (19, 6924), (22, 6948), (26, 7065), (28, 7110), (29, 7173), (31, 7197), (33, 7221), (35, 7359), (36, 7374), (37, 7392), (38, 7395), (40, 7419), (41, 7437), (42, 7494), (43, 7497), (44, 7539), (46, 7566), (49, 7584), (50, 7611), (51, 7629), (52, 7632), (53, 7686), (54, 7770), (55, 7773), (56, 7794), (57, 7815), (59, 7887), (60, 7917), (61, 7968), (63, 8049), (64, 8082), (67, 8244), (68, 8346), (69, 8373), (70, 8382), (73, 8493), (74, 8556), (78, 8667), (79, 8676), (81, 8757),

Gene: P1201_27 Start: 12800, Stop: 15562, Start Num: 1
Candidate Starts for P1201_27:
(1, 12800), (2, 12992), (3, 13025), (4, 13055), (5, 13235), (6, 13262), (9, 13355), (10, 13400), (11, 13418), (13, 13502), (17, 13661), (19, 13706), (20, 13718), (21, 13721), (23, 13763), (24, 13823), (25, 13856), (27, 13886), (30, 13973), (32, 14000), (34, 14102), (38, 14198), (39, 14213), (44, 14342), (45, 14351), (47, 14375), (48, 14384), (49, 14387), (50, 14411), (51, 14429), (54, 14570), (57, 14615), (58, 14681), (60, 14717), (62, 14840), (65, 14891), (66, 14993), (67, 15044), (70, 15182), (71, 15248), (72, 15281), (75, 15386), (76, 15419), (77, 15437), (78, 15467), (80, 15512),

Gene: PeteyPab_12 Start: 6676, Stop: 8742, Start Num: 12
Candidate Starts for PeteyPab_12:
(Start: 12 @6676 has 5 MA's), (14, 6733), (18, 6871), (19, 6901), (22, 6925), (26, 7042), (27, 7063), (28, 7087), (29, 7150), (31, 7174), (35, 7336), (36, 7351), (37, 7369), (38, 7372), (40, 7396), (41, 7414), (42, 7471), (43, 7474), (44, 7516), (46, 7543), (49, 7561), (50, 7588), (51, 7606), (52, 7609), (53, 7663), (54, 7747), (55, 7750), (56, 7771), (57, 7792), (59, 7864), (60, 7894), (61, 7945), (63, 8026), (64, 8059), (67, 8221), (68, 8323), (69, 8350), (70, 8359), (73, 8470), (74, 8533), (78, 8644),

(79, 8653), (81, 8734),

Gene: PotatoChip_12 Start: 6678, Stop: 8744, Start Num: 12
Candidate Starts for PotatoChip_12:
(Start: 12 @6678 has 5 MA's), (14, 6735), (18, 6873), (19, 6903), (22, 6927), (26, 7044), (27, 7065), (28, 7089), (29, 7152), (31, 7176), (35, 7338), (36, 7353), (37, 7371), (38, 7374), (40, 7398), (41, 7416), (42, 7473), (43, 7476), (44, 7518), (46, 7545), (49, 7563), (50, 7590), (51, 7608), (52, 7611), (53, 7665), (54, 7749), (55, 7752), (56, 7773), (57, 7794), (59, 7866), (60, 7896), (61, 7947), (63, 8028), (64, 8061), (67, 8223), (68, 8325), (69, 8352), (70, 8361), (73, 8472), (74, 8535), (78, 8646), (79, 8655), (81, 8736),

Gene: Stickynote_14 Start: 7569, Stop: 9554, Start Num: 15
Candidate Starts for Stickynote_14:
(7, 7305), (8, 7341), (Start: 15 @7569 has 1 MA's), (16, 7623), (19, 7713), (22, 7737), (26, 7854), (27, 7875), (28, 7899), (29, 7962), (31, 7986), (35, 8148), (36, 8163), (37, 8181), (38, 8184), (40, 8208), (41, 8226), (42, 8283), (43, 8286), (44, 8328), (46, 8355), (49, 8373), (50, 8400), (51, 8418), (52, 8421), (53, 8475), (54, 8559), (56, 8583), (57, 8604), (59, 8676), (60, 8706), (61, 8757), (63, 8838), (64, 8871), (67, 9033), (68, 9135), (69, 9162), (70, 9171), (73, 9282), (74, 9345), (78, 9456), (79, 9465), (81, 9546),

Gene: Zion_12 Start: 6676, Stop: 8742, Start Num: 12
Candidate Starts for Zion_12:
(Start: 12 @6676 has 5 MA's), (14, 6733), (18, 6871), (19, 6901), (22, 6925), (26, 7042), (27, 7063), (28, 7087), (29, 7150), (31, 7174), (35, 7336), (36, 7351), (37, 7369), (38, 7372), (40, 7396), (41, 7414), (42, 7471), (43, 7474), (44, 7516), (46, 7543), (49, 7561), (50, 7588), (51, 7606), (52, 7609), (53, 7663), (54, 7747), (55, 7750), (56, 7771), (57, 7792), (59, 7864), (60, 7894), (61, 7945), (63, 8026), (64, 8059), (67, 8221), (68, 8323), (69, 8350), (70, 8359), (73, 8470), (74, 8533), (78, 8644), (79, 8653), (81, 8734),