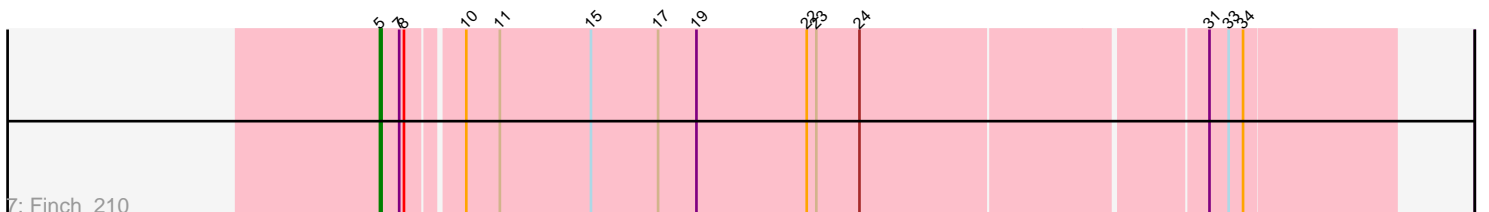
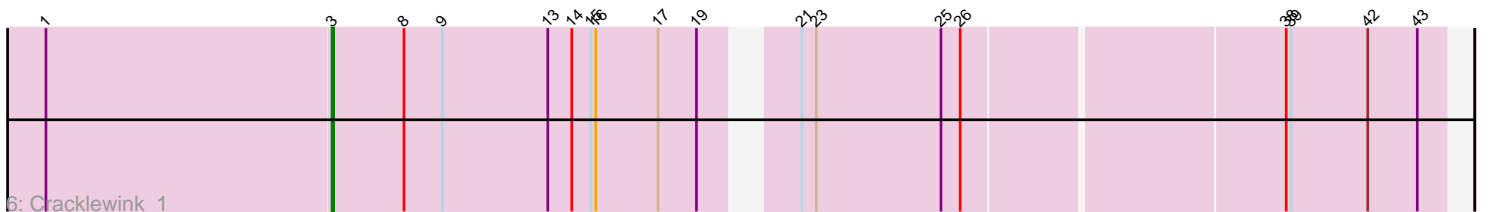
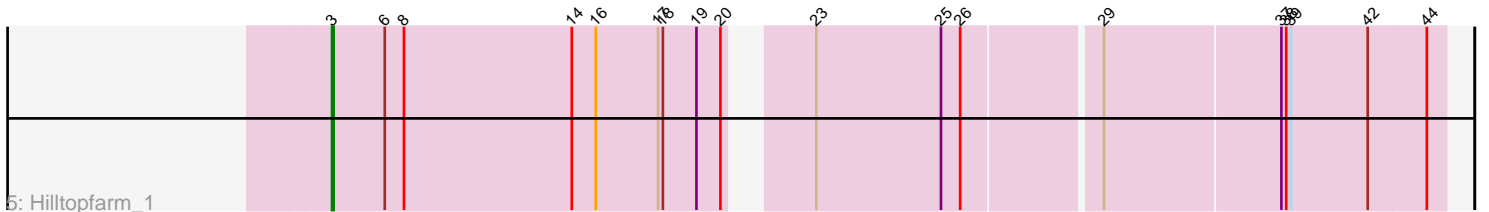
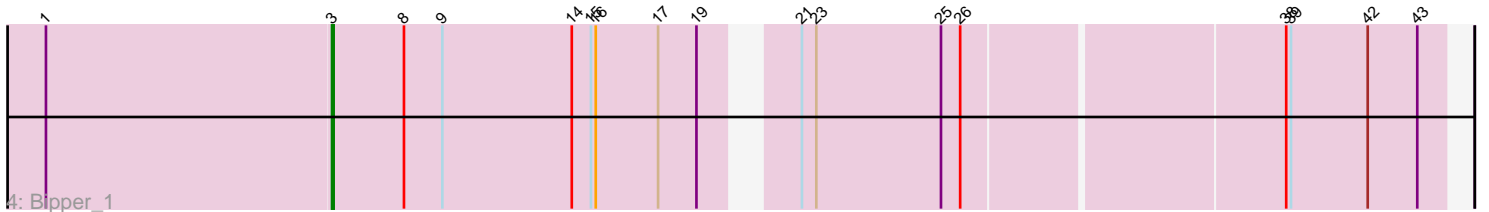
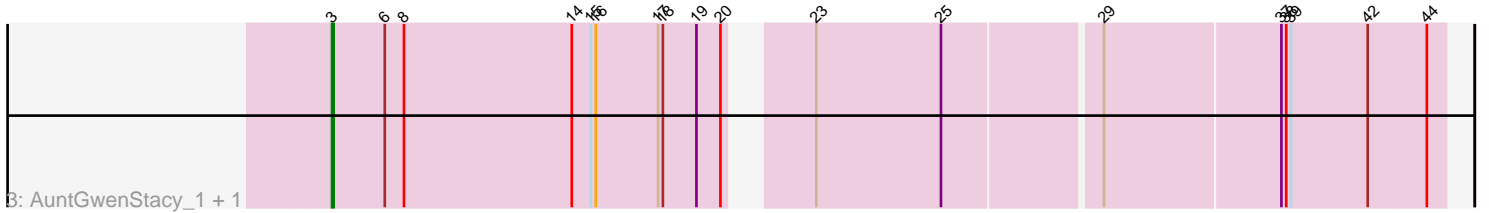
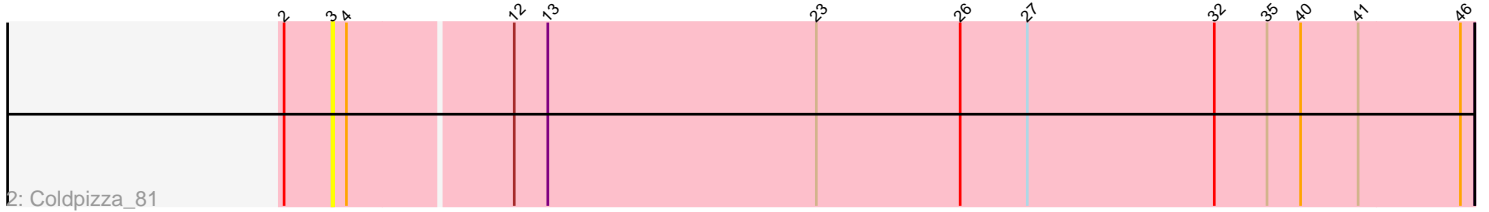


Pham 203629



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 203629 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203629 has 8 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Evaa_1
- Track 2 : Coldpizza_81
- Track 3 : AuntGwenStacy_1, Typha_1
- Track 4 : Bipper_1
- Track 5 : Hilltopfarm_1
- Track 6 : Cracklewink_1
- Track 7 : Finch_210

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

Genes that call this "Most Annotated" start:

- AuntGwenStacy_1, Bipper_1, Coldpizza_81, Cracklewink_1, Hilltopfarm_1, Typha_1,

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

-

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

- Evaa_1, Finch_210,

Summary by start number:

Start 3:

- Found in 6 of 8 (75.0%) 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: AuntGwenStacy_1 (Y), Bipper_1 (Y), Coldpizza_81 (DR), Cracklewink_1 (Y), Hilltopfarm_1 (Y), Typha_1 (Y),

Start 4:

- Found in 2 of 8 (25.0%) of genes in pham

- Manual Annotations of this start: 1 of 6
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Evaa_1 (DR),

Start 5:

- Found in 1 of 8 (12.5%) 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: Finch_210 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: Y, singleton, DR,

Info for manual annotations of cluster DR:

- Start number 4 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster Y:

- Start number 3 was manually annotated 4 times for cluster Y.

Gene Information:

Gene: AuntGwenStacy_1 Start: 202, Stop: 861, Start Num: 3

Candidate Starts for AuntGwenStacy_1:

(Start: 3 @202 has 4 MA's), (6, 235), (8, 247), (14, 352), (15, 364), (16, 367), (17, 406), (18, 409), (19, 430), (20, 445), (23, 481), (25, 559), (29, 652), (37, 760), (38, 763), (39, 766), (42, 814), (44, 850),

Gene: Bipper_1 Start: 202, Stop: 861, Start Num: 3

Candidate Starts for Bipper_1:

(1, 25), (Start: 3 @202 has 4 MA's), (8, 247), (9, 271), (14, 352), (15, 364), (16, 367), (17, 406), (19, 430), (21, 472), (23, 481), (25, 559), (26, 571), (38, 763), (39, 766), (42, 814), (43, 844),

Gene: Coldpizza_81 Start: 61643, Stop: 699, Start Num: 3

Candidate Starts for Coldpizza_81:

(2, 61613), (Start: 3 @61643 has 4 MA's), (Start: 4 @61652 has 1 MA's), (12, 61751), (13, 61772), (23, 61940), (26, 62030), (27, 62072), (32, 62189), (35, 62222), (40, 62243), (41, 62279), (46, 62342),

Gene: Cracklewink_1 Start: 202, Stop: 861, Start Num: 3

Candidate Starts for Cracklewink_1:

(1, 25), (Start: 3 @202 has 4 MA's), (8, 247), (9, 271), (13, 337), (14, 352), (15, 364), (16, 367), (17, 406), (19, 430), (21, 472), (23, 481), (25, 559), (26, 571), (38, 763), (39, 766), (42, 814), (43, 844),

Gene: Evaa_1 Start: 1, Stop: 699, Start Num: 4

Candidate Starts for Evaa_1:

(Start: 4 @1 has 1 MA's), (17, 190), (24, 316), (26, 379), (28, 457), (30, 517), (32, 538), (36, 577), (45, 676), (46, 691),

Gene: Finch_210 Start: 122277, Stop: 122888, Start Num: 5

Candidate Starts for Finch_210:

(Start: 5 @122277 has 1 MA's), (7, 122289), (8, 122292), (10, 122322), (11, 122343), (15, 122400), (17, 122442), (19, 122466), (22, 122535), (23, 122541), (24, 122568), (31, 122775), (33, 122787), (34,

122796),

Gene: Hilltopfarm_1 Start: 202, Stop: 861, Start Num: 3

Candidate Starts for Hilltopfarm_1:

(Start: 3 @202 has 4 MA's), (6, 235), (8, 247), (14, 352), (16, 367), (17, 406), (18, 409), (19, 430), (20, 445), (23, 481), (25, 559), (26, 571), (29, 652), (37, 760), (38, 763), (39, 766), (42, 814), (44, 850),

Gene: Typha_1 Start: 202, Stop: 861, Start Num: 3

Candidate Starts for Typha_1:

(Start: 3 @202 has 4 MA's), (6, 235), (8, 247), (14, 352), (15, 364), (16, 367), (17, 406), (18, 409), (19, 430), (20, 445), (23, 481), (25, 559), (29, 652), (37, 760), (38, 763), (39, 766), (42, 814), (44, 850),