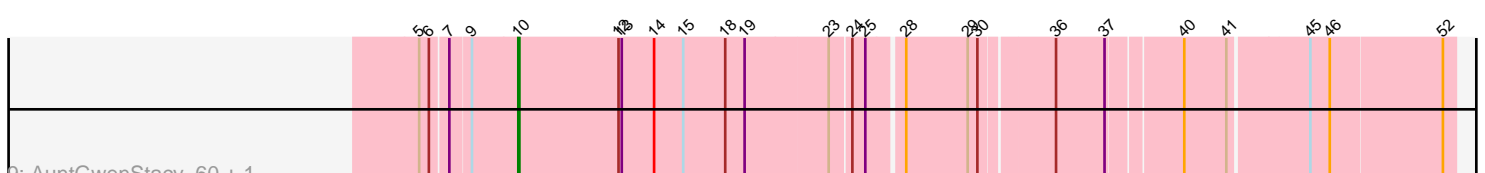
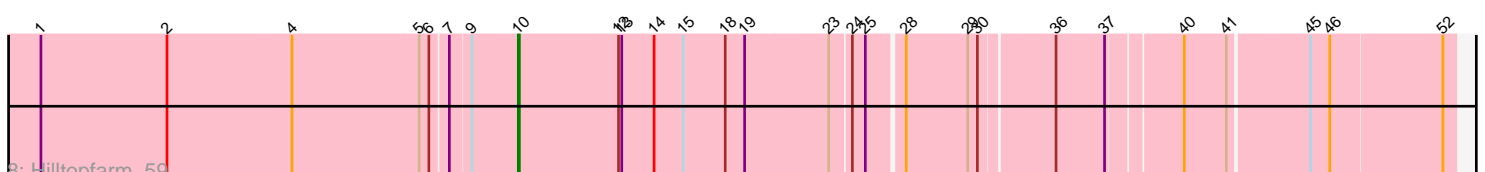
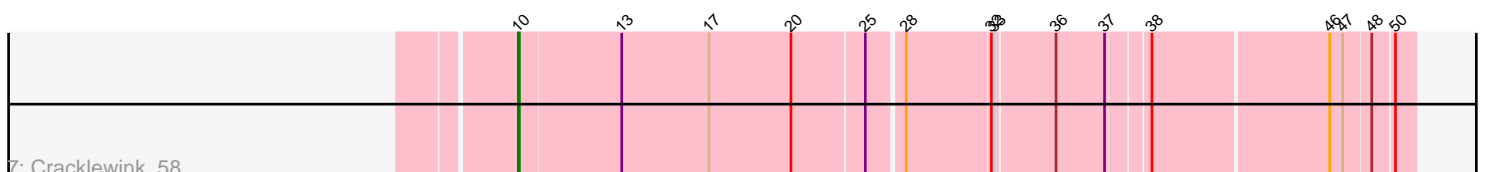
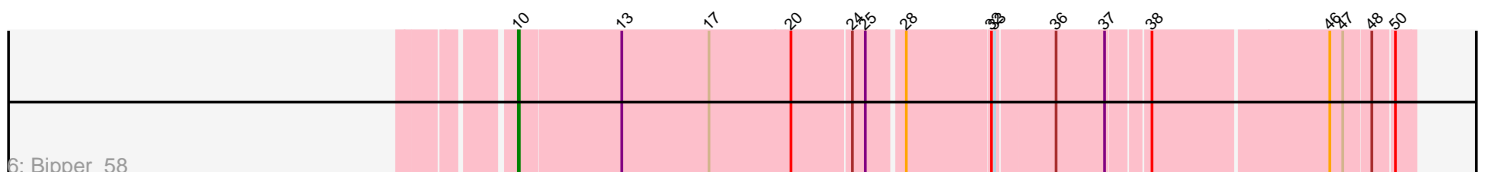
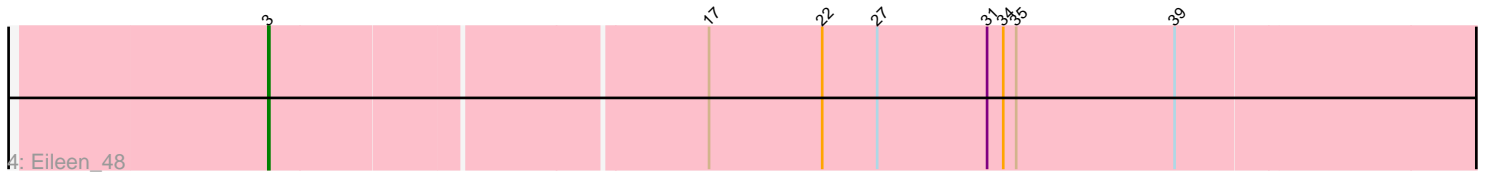
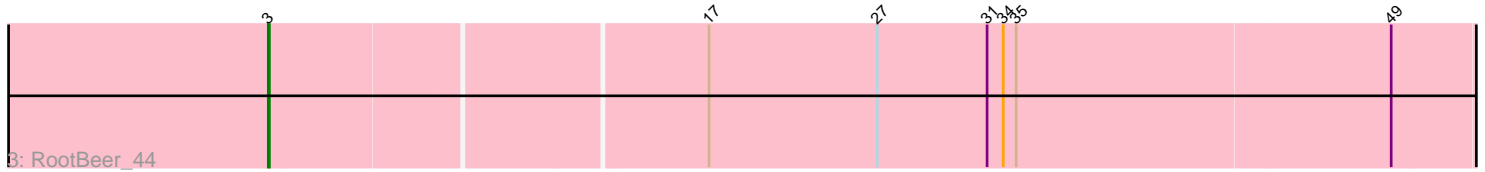
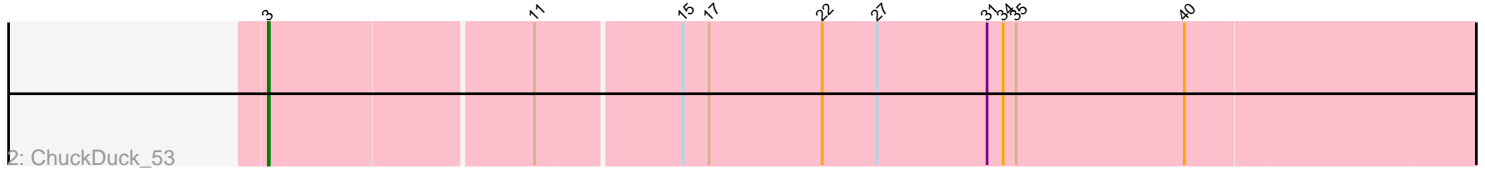
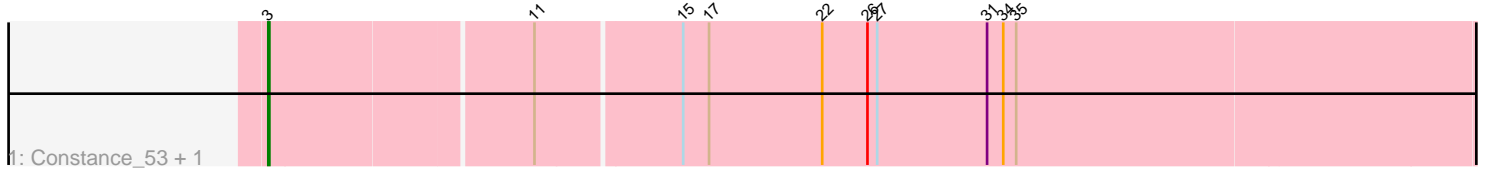


Pham 194528



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 194528 Report

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

Pham number 194528 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Constance_53, KayMoney_52
- Track 2 : ChuckDuck_53
- Track 3 : RootBeer_44
- Track 4 : Eileen_48
- Track 5 : Kukla_59
- Track 6 : Bipper_58
- Track 7 : Cracklewink_58
- Track 8 : Hilltopfarm_59
- Track 9 : AuntGwenStacy_60, Typha_59

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AuntGwenStacy_60, Bipper_58, Cracklewink_58, Hilltopfarm_59, Typha_59,

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

-

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

- ChuckDuck_53, Constance_53, Eileen_48, KayMoney_52, Kukla_59, RootBeer_44,

Summary by start number:

Start 3:

- Found in 5 of 11 (45.5%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ChuckDuck_53 (FA), Constance_53 (FA), Eileen_48 (FA), KayMoney_52 (FA), RootBeer_44 (FA),

Start 8:

- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kukla_59 (FJ),

Start 10:

- Found in 5 of 11 (45.5%) of genes in pham
- Manual Annotations of this start: 4 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AuntGwenStacy_60 (Y), Bipper_58 (Y), Cracklewink_58 (Y), Hilltopfarm_59 (Y), Typha_59 (Y),

Summary by clusters:

There are 3 clusters represented in this pham: Y, FA, FJ,

Info for manual annotations of cluster FA:

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

Info for manual annotations of cluster FJ:

- Start number 8 was manually annotated 1 time for cluster FJ.

Info for manual annotations of cluster Y:

- Start number 10 was manually annotated 4 times for cluster Y.

Gene Information:

Gene: AuntGwenStacy_60 Start: 43522, Stop: 44343, Start Num: 10

Candidate Starts for AuntGwenStacy_60:

(5, 43438), (6, 43447), (7, 43462), (9, 43480), (Start: 10 @43522 has 4 MA's), (12, 43615), (13, 43618), (14, 43648), (15, 43675), (18, 43714), (19, 43732), (23, 43807), (24, 43825), (25, 43837), (28, 43867), (29, 43924), (30, 43933), (36, 43996), (37, 44041), (40, 44104), (41, 44143), (45, 44212), (46, 44230), (52, 44332),

Gene: Bipper_58 Start: 42349, Stop: 43125, Start Num: 10

Candidate Starts for Bipper_58:

(Start: 10 @42349 has 4 MA's), (13, 42442), (17, 42523), (20, 42598), (24, 42649), (25, 42661), (28, 42691), (32, 42766), (33, 42769), (36, 42820), (37, 42865), (38, 42898), (46, 43054), (47, 43066), (48, 43090), (50, 43108),

Gene: ChuckDuck_53 Start: 34124, Stop: 35224, Start Num: 3

Candidate Starts for ChuckDuck_53:

(Start: 3 @34124 has 4 MA's), (11, 34358), (15, 34487), (17, 34511), (22, 34616), (27, 34667), (31, 34769), (34, 34784), (35, 34796), (40, 34952),

Gene: Constance_53 Start: 34710, Stop: 35807, Start Num: 3

Candidate Starts for Constance_53:

(Start: 3 @34710 has 4 MA's), (11, 34944), (15, 35073), (17, 35097), (22, 35202), (26, 35244), (27, 35253), (31, 35355), (34, 35370), (35, 35382),

Gene: Cracklewink_58 Start: 42330, Stop: 43106, Start Num: 10

Candidate Starts for Cracklewink_58:

(Start: 10 @42330 has 4 MA's), (13, 42423), (17, 42504), (20, 42579), (25, 42642), (28, 42672), (32, 42747), (33, 42750), (36, 42801), (37, 42846), (38, 42879), (46, 43035), (47, 43047), (48, 43071), (50, 43089),

Gene: Eileen_48 Start: 31825, Stop: 32925, Start Num: 3

Candidate Starts for Eileen_48:

(Start: 3 @31825 has 4 MA's), (17, 32212), (22, 32317), (27, 32368), (31, 32470), (34, 32485), (35, 32497), (39, 32644),

Gene: Hilltopfarm_59 Start: 43214, Stop: 44035, Start Num: 10

Candidate Starts for Hilltopfarm_59:

(1, 42782), (2, 42899), (4, 43013), (5, 43130), (6, 43139), (7, 43154), (9, 43172), (Start: 10 @43214 has 4 MA's), (12, 43307), (13, 43310), (14, 43340), (15, 43367), (18, 43406), (19, 43424), (23, 43499), (24, 43517), (25, 43529), (28, 43559), (29, 43616), (30, 43625), (36, 43688), (37, 43733), (40, 43796), (41, 43835), (45, 43904), (46, 43922), (52, 44024),

Gene: KayMoney_52 Start: 34053, Stop: 35150, Start Num: 3

Candidate Starts for KayMoney_52:

(Start: 3 @34053 has 4 MA's), (11, 34287), (15, 34416), (17, 34440), (22, 34545), (26, 34587), (27, 34596), (31, 34698), (34, 34713), (35, 34725),

Gene: Kukla_59 Start: 36053, Stop: 36976, Start Num: 8

Candidate Starts for Kukla_59:

(Start: 8 @36053 has 1 MA's), (16, 36269), (19, 36314), (21, 36383), (27, 36437), (34, 36554), (35, 36566), (42, 36770), (43, 36788), (44, 36791), (51, 36941), (53, 36959),

Gene: RootBeer_44 Start: 30900, Stop: 31997, Start Num: 3

Candidate Starts for RootBeer_44:

(Start: 3 @30900 has 4 MA's), (17, 31287), (27, 31443), (31, 31545), (34, 31560), (35, 31572), (49, 31914),

Gene: Typha_59 Start: 43522, Stop: 44343, Start Num: 10

Candidate Starts for Typha_59:

(5, 43438), (6, 43447), (7, 43462), (9, 43480), (Start: 10 @43522 has 4 MA's), (12, 43615), (13, 43618), (14, 43648), (15, 43675), (18, 43714), (19, 43732), (23, 43807), (24, 43825), (25, 43837), (28, 43867), (29, 43924), (30, 43933), (36, 43996), (37, 44041), (40, 44104), (41, 44143), (45, 44212), (46, 44230), (52, 44332),