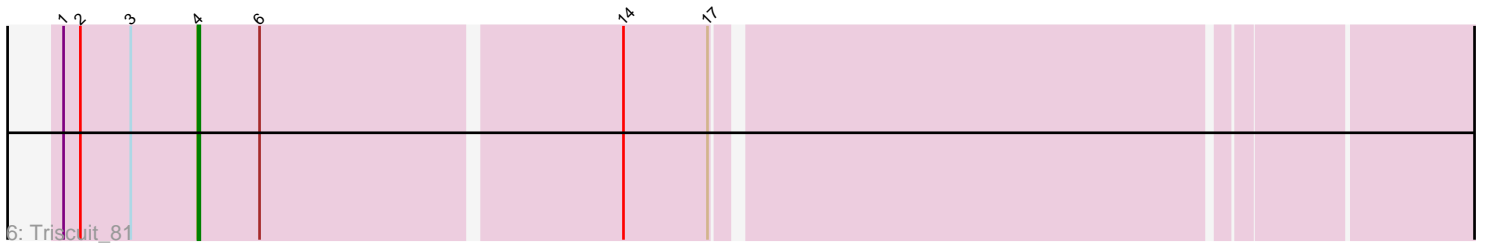
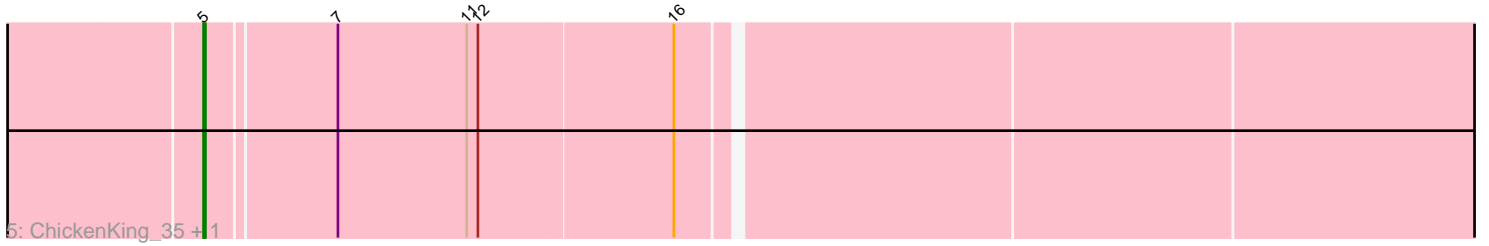
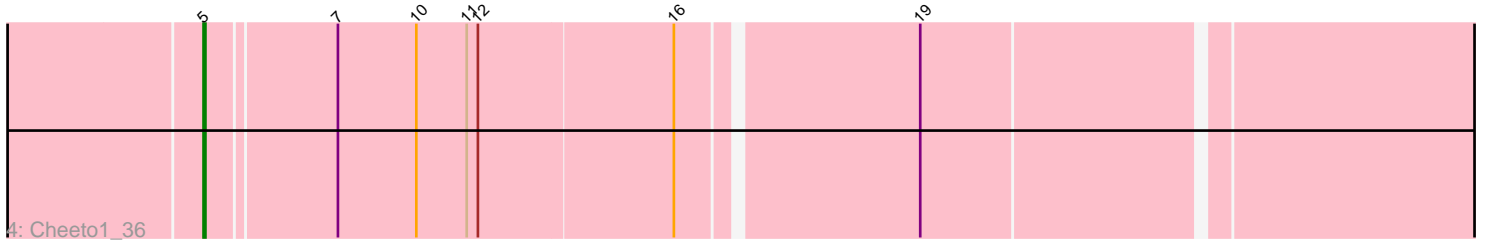
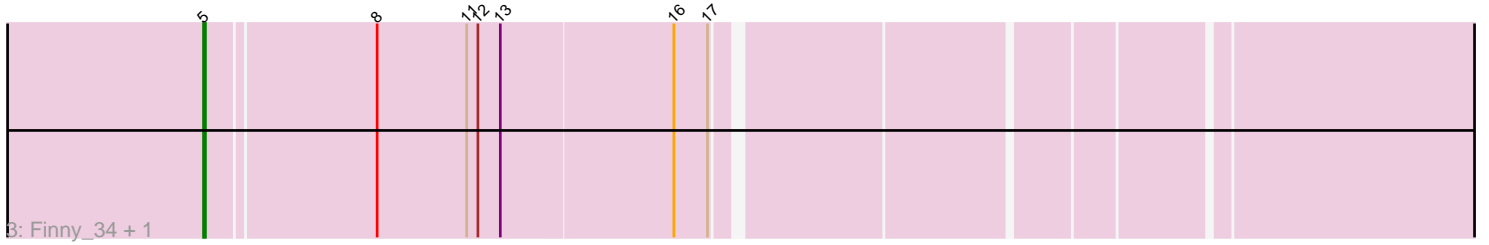
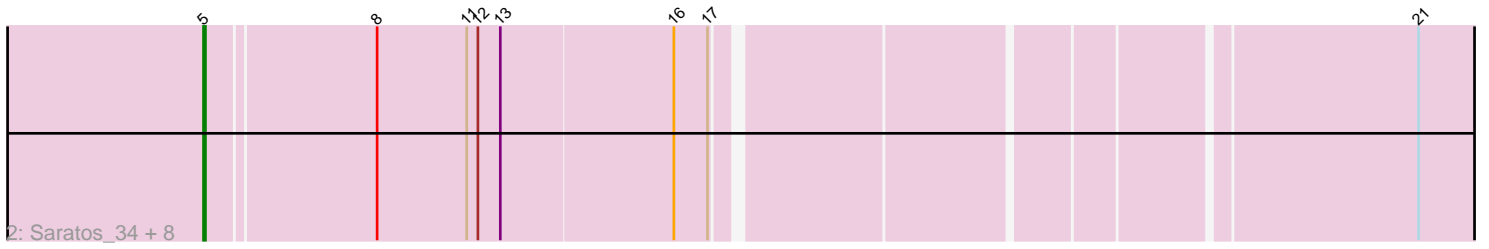
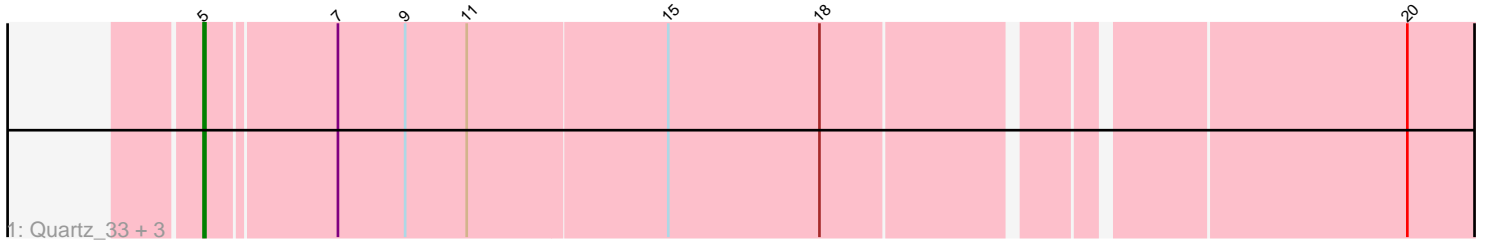


Pham 163955



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 163955 Report

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

Pham number 163955 has 19 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Quartz_33, Carostasia_32, Mandalorian_32, Nucci_32
- Track 2 : Saratos_34, Andromedas_34, Shamu_34, Zenitsu_34, Eleri_34, ColaCorta_34, ChikPic_34, Glamour_33, Sansa_33
- Track 3 : Finny_34, MCubed_34
- Track 4 : Cheeto1_36
- Track 5 : ChickenKing_35, GaeCeo_36
- Track 6 : Triscuit_81

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

The start number called the most often in the published annotations is 5, it was called in 17 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Andromedas_34, Carostasia_32, Cheeto1_36, ChickenKing_35, ChikPic_34, ColaCorta_34, Eleri_34, Finny_34, GaeCeo_36, Glamour_33, MCubed_34, Mandalorian_32, Nucci_32, Quartz_33, Sansa_33, Saratos_34, Shamu_34, Zenitsu_34,

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

-

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

- Triscuit_81,

Summary by start number:

Start 4:

- Found in 1 of 19 (5.3%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Triscuit_81 (GG),

Start 5:

- Found in 18 of 19 (94.7%) of genes in pham
- Manual Annotations of this start: 17 of 18
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Andromedas_34 (EA2), Carostasia_32 (EA10), Cheeto1_36 (EA9), ChickenKing_35 (EA9), ChikPic_34 (EA2), ColaCorta_34 (EA2), Eleri_34 (EA2), Finny_34 (EA2), GaeGeo_36 (EA9), Glamour_33 (EA2), MCubed_34 (EA2), Mandalorian_32 (EA10), Nucci_32 (EA10), Quartz_33 (EA10), Sansa_33 (EA2), Saratos_34 (EA2), Shamu_34 (EA2), Zenitsu_34 (EA2),

Summary by clusters:

There are 4 clusters represented in this pham: EA9, GG, EA2, EA10,

Info for manual annotations of cluster EA10:

- Start number 5 was manually annotated 3 times for cluster EA10.

Info for manual annotations of cluster EA2:

- Start number 5 was manually annotated 11 times for cluster EA2.

Info for manual annotations of cluster EA9:

- Start number 5 was manually annotated 3 times for cluster EA9.

Info for manual annotations of cluster GG:

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

Gene Information:

Gene: Andromedas_34 Start: 24807, Stop: 23983, Start Num: 5

Candidate Starts for Andromedas_34:

(Start: 5 @24807 has 17 MA's), (8, 24720), (11, 24672), (12, 24666), (13, 24654), (16, 24564), (17, 24546), (21, 24201),

Gene: Carostasia_32 Start: 24484, Stop: 23654, Start Num: 5

Candidate Starts for Carostasia_32:

(Start: 5 @24484 has 17 MA's), (7, 24418), (9, 24382), (11, 24349), (15, 24244), (18, 24163), (20, 23866),

Gene: Cheeto1_36 Start: 25345, Stop: 24524, Start Num: 5

Candidate Starts for Cheeto1_36:

(Start: 5 @25345 has 17 MA's), (7, 25279), (10, 25237), (11, 25210), (12, 25204), (16, 25102), (19, 24982),

Gene: ChickenKing_35 Start: 25261, Stop: 24437, Start Num: 5

Candidate Starts for ChickenKing_35:

(Start: 5 @25261 has 17 MA's), (7, 25195), (11, 25126), (12, 25120), (16, 25018),

Gene: ChikPic_34 Start: 24817, Stop: 23999, Start Num: 5

Candidate Starts for ChikPic_34:

(Start: 5 @24817 has 17 MA's), (8, 24730), (11, 24682), (12, 24676), (13, 24664), (16, 24574), (17, 24556), (21, 24211),

Gene: ColaCorta_34 Start: 24807, Stop: 23983, Start Num: 5

Candidate Starts for ColaCorta_34:

(Start: 5 @24807 has 17 MA's), (8, 24720), (11, 24672), (12, 24666), (13, 24654), (16, 24564), (17, 24546), (21, 24201),

Gene: Eleri_34 Start: 24808, Stop: 23996, Start Num: 5

Candidate Starts for Eleri_34:

(Start: 5 @24808 has 17 MA's), (8, 24721), (11, 24673), (12, 24667), (13, 24655), (16, 24565), (17, 24547), (21, 24202),

Gene: Finny_34 Start: 24848, Stop: 24036, Start Num: 5

Candidate Starts for Finny_34:

(Start: 5 @24848 has 17 MA's), (8, 24761), (11, 24713), (12, 24707), (13, 24695), (16, 24605), (17, 24587),

Gene: GaeCeo_36 Start: 25494, Stop: 24673, Start Num: 5

Candidate Starts for GaeCeo_36:

(Start: 5 @25494 has 17 MA's), (7, 25428), (11, 25359), (12, 25353), (16, 25251),

Gene: Glamour_33 Start: 24799, Stop: 23984, Start Num: 5

Candidate Starts for Glamour_33:

(Start: 5 @24799 has 17 MA's), (8, 24712), (11, 24664), (12, 24658), (13, 24646), (16, 24556), (17, 24538), (21, 24196),

Gene: MCubed_34 Start: 24824, Stop: 24006, Start Num: 5

Candidate Starts for MCubed_34:

(Start: 5 @24824 has 17 MA's), (8, 24737), (11, 24689), (12, 24683), (13, 24671), (16, 24581), (17, 24563),

Gene: Mandalorian_32 Start: 24494, Stop: 23652, Start Num: 5

Candidate Starts for Mandalorian_32:

(Start: 5 @24494 has 17 MA's), (7, 24428), (9, 24392), (11, 24359), (15, 24254), (18, 24173), (20, 23876),

Gene: Nucci_32 Start: 24489, Stop: 23641, Start Num: 5

Candidate Starts for Nucci_32:

(Start: 5 @24489 has 17 MA's), (7, 24423), (9, 24387), (11, 24354), (15, 24249), (18, 24168), (20, 23871),

Gene: Quartz_33 Start: 24607, Stop: 23777, Start Num: 5

Candidate Starts for Quartz_33:

(Start: 5 @24607 has 17 MA's), (7, 24541), (9, 24505), (11, 24472), (15, 24367), (18, 24286), (20, 23998),

Gene: Sansa_33 Start: 24885, Stop: 24067, Start Num: 5

Candidate Starts for Sansa_33:

(Start: 5 @24885 has 17 MA's), (8, 24798), (11, 24750), (12, 24744), (13, 24732), (16, 24642), (17, 24624), (21, 24273),

Gene: Saratos_34 Start: 24793, Stop: 23981, Start Num: 5

Candidate Starts for Saratos_34:

(Start: 5 @24793 has 17 MA's), (8, 24706), (11, 24658), (12, 24652), (13, 24640), (16, 24550), (17, 24532), (21, 24187),

Gene: Shamu_34 Start: 24814, Stop: 23996, Start Num: 5

Candidate Starts for Shamu_34:

(Start: 5 @24814 has 17 MA's), (8, 24727), (11, 24679), (12, 24673), (13, 24661), (16, 24571), (17, 24553), (21, 24208),

Gene: Triscuit_81 Start: 50647, Stop: 51474, Start Num: 4

Candidate Starts for Triscuit_81:

(1, 50575), (2, 50584), (3, 50611), (Start: 4 @50647 has 1 MA's), (6, 50680), (14, 50866), (17, 50911),

Gene: Zenitsu_34 Start: 24829, Stop: 24011, Start Num: 5

Candidate Starts for Zenitsu_34:

(Start: 5 @24829 has 17 MA's), (8, 24742), (11, 24694), (12, 24688), (13, 24676), (16, 24586), (17, 24568), (21, 24223),