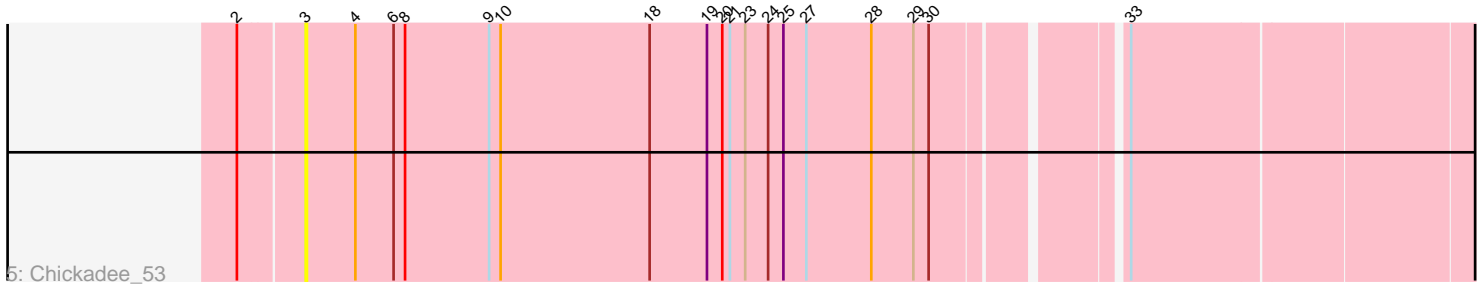
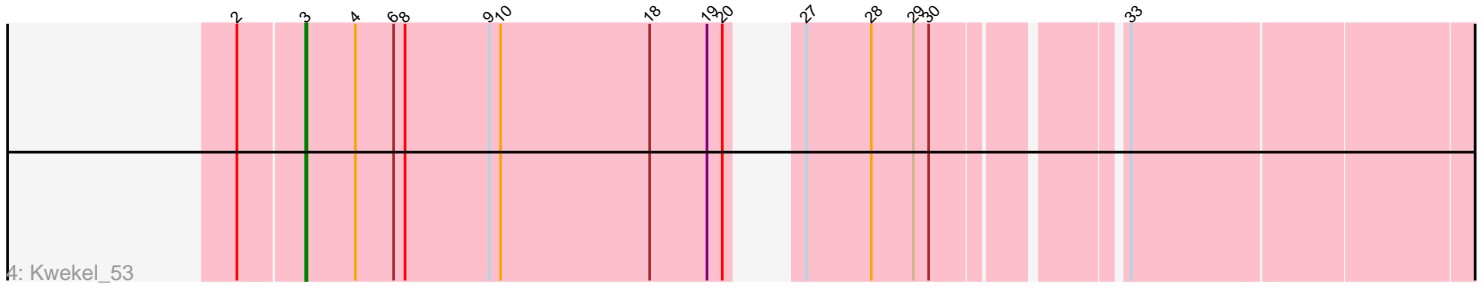
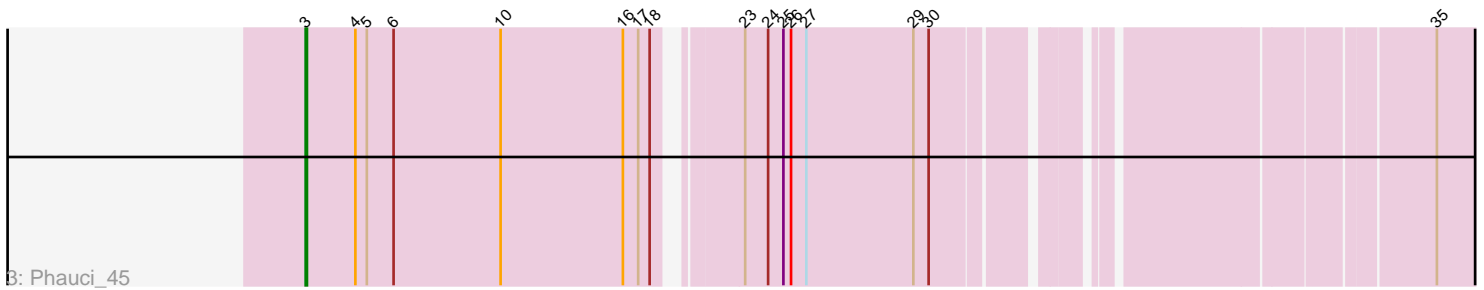
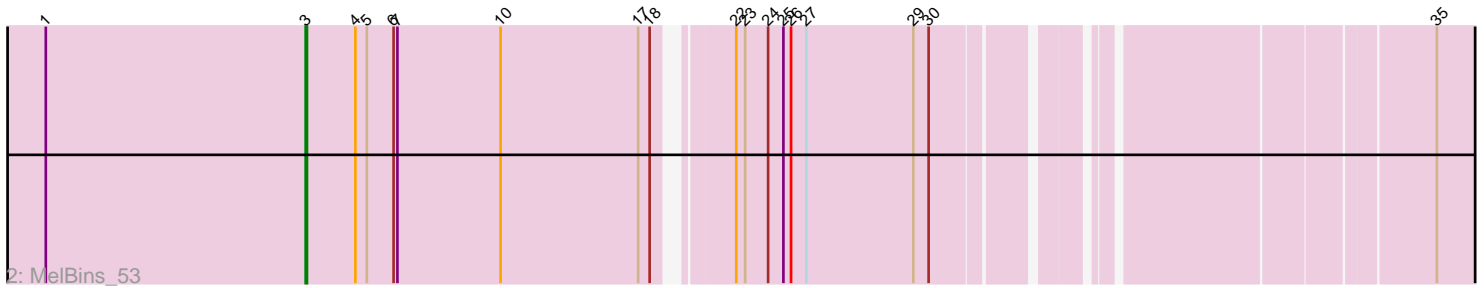
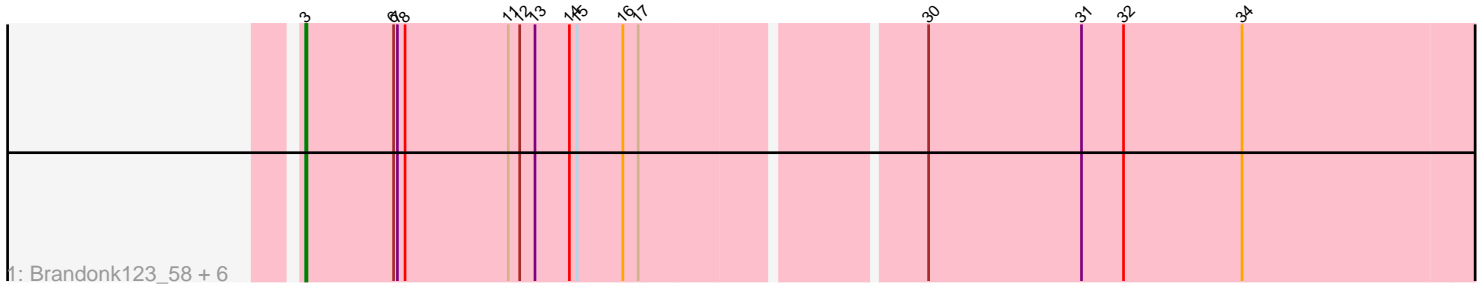


Pham 159557



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 159557 Report

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

Pham number 159557 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Brandonk123_58, Vivi2_60, Lennon_56, Sitar_56, Charming_57, Rofo_56, Tangent_57
- Track 2 : MelBins_53
- Track 3 : Phauci_45
- Track 4 : Kwekel_53
- Track 5 : Chickadee_53

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Brandonk123_58, Charming_57, Chickadee_53, Kwekel_53, Lennon_56, MelBins_53, Phauci_45, Rofo_56, Sitar_56, Tangent_57, Vivi2_60,

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

-

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

-

Summary by start number:

Start 3:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Brandonk123_58 (DE1), Charming_57 (DE1), Chickadee_53 (DE3), Kwekel_53 (DE3), Lennon_56 (DE1), MelBins_53 (DE2), Phauci_45 (DE2), Rofo_56 (DE1), Sitar_56 (DE1), Tangent_57 (DE1), Vivi2_60 (DE1),

Summary by clusters:

There are 3 clusters represented in this pham: DE1, DE2, DE3,

Info for manual annotations of cluster DE1:

- Start number 3 was manually annotated 7 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 3 was manually annotated 2 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 3 was manually annotated 1 time for cluster DE3.

Gene Information:

Gene: Brandonk123_58 Start: 45610, Stop: 46653, Start Num: 3

Candidate Starts for Brandonk123_58:

(Start: 3 @45610 has 10 MA's), (6, 45679), (7, 45682), (8, 45688), (11, 45769), (12, 45778), (13, 45790), (14, 45817), (15, 45823), (16, 45859), (17, 45871), (30, 46075), (31, 46195), (32, 46228), (34, 46321),

Gene: Charming_57 Start: 45104, Stop: 46147, Start Num: 3

Candidate Starts for Charming_57:

(Start: 3 @45104 has 10 MA's), (6, 45173), (7, 45176), (8, 45182), (11, 45263), (12, 45272), (13, 45284), (14, 45311), (15, 45317), (16, 45353), (17, 45365), (30, 45569), (31, 45689), (32, 45722), (34, 45815),

Gene: Chickadee_53 Start: 41704, Stop: 42621, Start Num: 3

Candidate Starts for Chickadee_53:

(2, 41656), (Start: 3 @41704 has 10 MA's), (4, 41743), (6, 41773), (8, 41782), (9, 41848), (10, 41857), (18, 41974), (19, 42019), (20, 42031), (21, 42037), (23, 42049), (24, 42067), (25, 42079), (27, 42097), (28, 42148), (29, 42181), (30, 42193), (33, 42322),

Gene: Kwekel_53 Start: 41665, Stop: 42534, Start Num: 3

Candidate Starts for Kwekel_53:

(2, 41617), (Start: 3 @41665 has 10 MA's), (4, 41704), (6, 41734), (8, 41743), (9, 41809), (10, 41818), (18, 41935), (19, 41980), (20, 41992), (27, 42010), (28, 42061), (29, 42094), (30, 42106), (33, 42235),

Gene: Lennon_56 Start: 46386, Stop: 47429, Start Num: 3

Candidate Starts for Lennon_56:

(Start: 3 @46386 has 10 MA's), (6, 46455), (7, 46458), (8, 46464), (11, 46545), (12, 46554), (13, 46566), (14, 46593), (15, 46599), (16, 46635), (17, 46647), (30, 46851), (31, 46971), (32, 47004), (34, 47097),

Gene: MelBins_53 Start: 44186, Stop: 45055, Start Num: 3

Candidate Starts for MelBins_53:

(1, 43982), (Start: 3 @44186 has 10 MA's), (4, 44225), (5, 44234), (6, 44255), (7, 44258), (10, 44339), (17, 44447), (18, 44456), (22, 44501), (23, 44507), (24, 44525), (25, 44537), (26, 44543), (27, 44555), (29, 44639), (30, 44651), (35, 44987),

Gene: Phauci_45 Start: 40849, Stop: 41718, Start Num: 3

Candidate Starts for Phauci_45:

(Start: 3 @40849 has 10 MA's), (4, 40888), (5, 40897), (6, 40918), (10, 41002), (16, 41098), (17, 41110), (18, 41119), (23, 41170), (24, 41188), (25, 41200), (26, 41206), (27, 41218), (29, 41302), (30, 41314), (35, 41650),

Gene: Rofo_56 Start: 45493, Stop: 46536, Start Num: 3

Candidate Starts for Rofo_56:

(Start: 3 @45493 has 10 MA's), (6, 45562), (7, 45565), (8, 45571), (11, 45652), (12, 45661), (13, 45673), (14, 45700), (15, 45706), (16, 45742), (17, 45754), (30, 45958), (31, 46078), (32, 46111), (34, 46204),

Gene: Sitar_56 Start: 46386, Stop: 47429, Start Num: 3

Candidate Starts for Sitar_56:

(Start: 3 @46386 has 10 MA's), (6, 46455), (7, 46458), (8, 46464), (11, 46545), (12, 46554), (13, 46566), (14, 46593), (15, 46599), (16, 46635), (17, 46647), (30, 46851), (31, 46971), (32, 47004), (34, 47097),

Gene: Tangent_57 Start: 45116, Stop: 46159, Start Num: 3

Candidate Starts for Tangent_57:

(Start: 3 @45116 has 10 MA's), (6, 45185), (7, 45188), (8, 45194), (11, 45275), (12, 45284), (13, 45296), (14, 45323), (15, 45329), (16, 45365), (17, 45377), (30, 45581), (31, 45701), (32, 45734), (34, 45827),

Gene: Vivi2_60 Start: 46593, Stop: 47636, Start Num: 3

Candidate Starts for Vivi2_60:

(Start: 3 @46593 has 10 MA's), (6, 46662), (7, 46665), (8, 46671), (11, 46752), (12, 46761), (13, 46773), (14, 46800), (15, 46806), (16, 46842), (17, 46854), (30, 47058), (31, 47178), (32, 47211), (34, 47304),