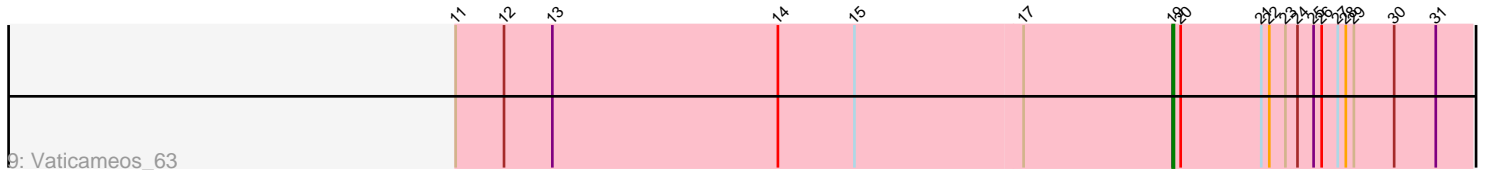
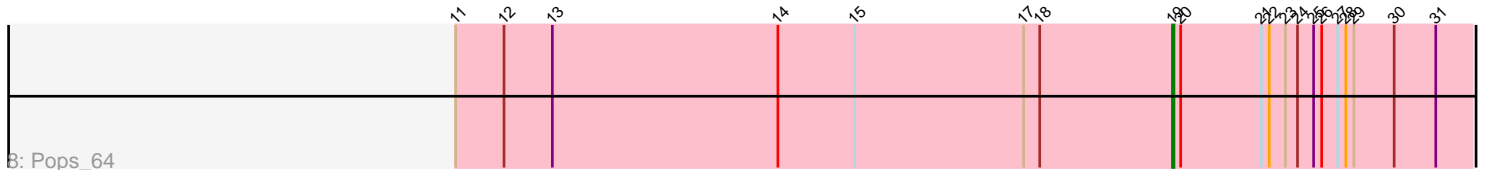
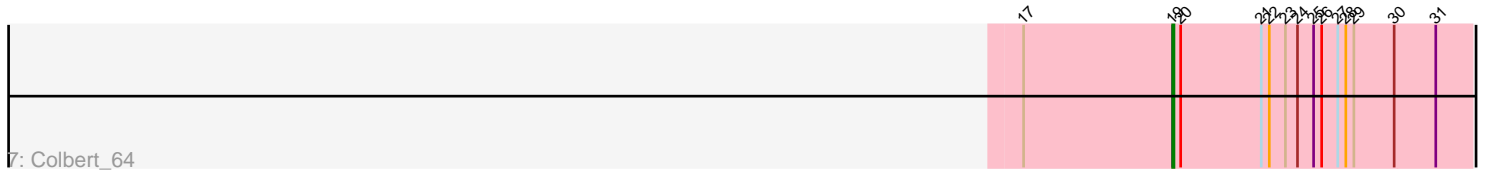
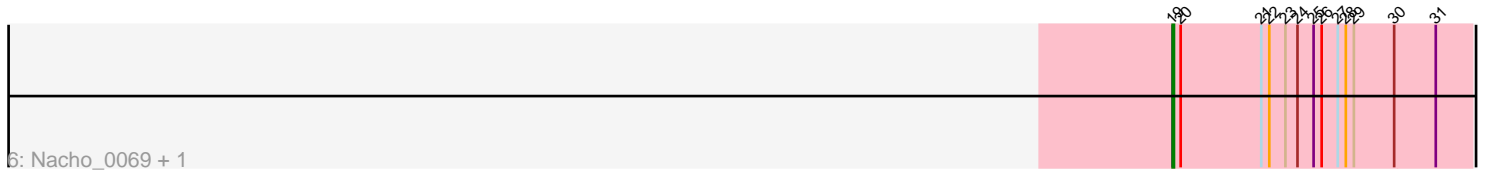
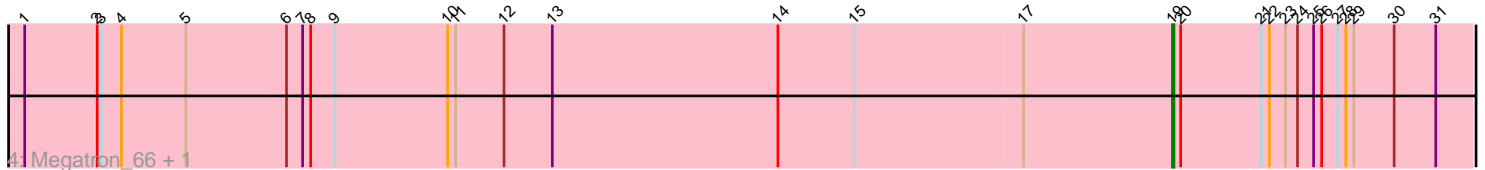
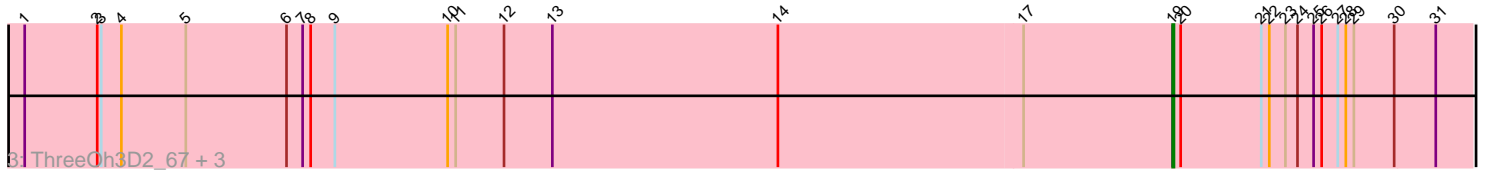
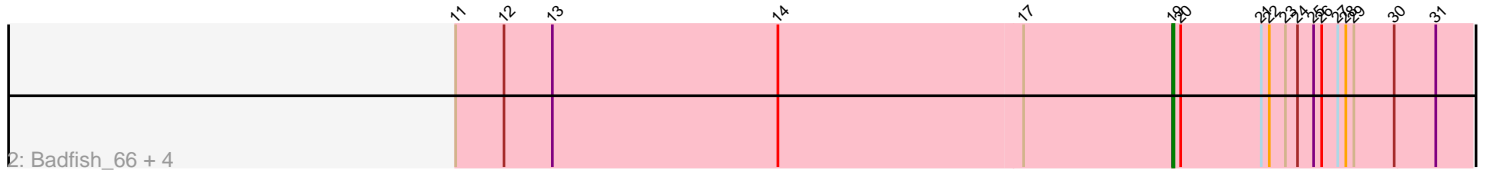


Pham 176543



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 176543 Report

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

Pham number 176543 has 21 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Phunky_64, Virapocalypse_67, ShiVal_64, JangoPhett_101
- Track 2 : Badfish_66, Numberten_65, Anderson_67, Hetaeria_65, Lulumae_63
- Track 3 : ThreeOh3D2_67, Oosterbaan_65, Hertubise_65, Serendipity_65
- Track 4 : Megatron_66, Xavier_65
- Track 5 : Freya_63
- Track 6 : Nacho_0069, Suffolk_64
- Track 7 : Colbert_64
- Track 8 : Pops_64
- Track 9 : Vaticameos_63

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

The start number called the most often in the published annotations is 19, it was called in 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Anderson_67, Badfish_66, Colbert_64, Freya_63, Hertubise_65, Hetaeria_65, JangoPhett_101, Lulumae_63, Megatron_66, Nacho_0069, Numberten_65, Oosterbaan_65, Phunky_64, Pops_64, Serendipity_65, ShiVal_64, Suffolk_64, ThreeOh3D2_67, Vaticameos_63, Virapocalypse_67, Xavier_65,

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 19:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 21 of 21
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Anderson_67 (B1), Badfish_66 (B1), Colbert_64 (B1), Freya_63 (B1), Hertubise_65 (B1), Hetaeria_65 (B1), JangoPhett_101 (B1), Lulumae_63 (B1), Megatron_66 (B1), Nacho_0069 (B1), Numberten_65 (B1), Oosterbaan_65 (B1), Phunky_64 (B1), Pops_64 (B1), Serendipity_65 (B1), ShiVal_64 (B1), Suffolk_64 (B1), ThreeOh3D2_67 (B1), Vaticameos_63 (B1), Virapocalypse_67 (B1), Xavier_65 (B1),

Summary by clusters:

There is one cluster represented in this pham: B1

Info for manual annotations of cluster B1:

•Start number 19 was manually annotated 21 times for cluster B1.

Gene Information:

Gene: Anderson_67 Start: 55962, Stop: 56183, Start Num: 19

Candidate Starts for Anderson_67:

(11, 55431), (12, 55467), (13, 55503), (14, 55671), (17, 55851), (Start: 19 @55962 has 21 MA's), (20, 55968), (21, 56028), (22, 56034), (23, 56046), (24, 56055), (25, 56067), (26, 56073), (27, 56085), (28, 56091), (29, 56097), (30, 56127), (31, 56157),

Gene: Badfish_66 Start: 56248, Stop: 56469, Start Num: 19

Candidate Starts for Badfish_66:

(11, 55717), (12, 55753), (13, 55789), (14, 55957), (17, 56137), (Start: 19 @56248 has 21 MA's), (20, 56254), (21, 56314), (22, 56320), (23, 56332), (24, 56341), (25, 56353), (26, 56359), (27, 56371), (28, 56377), (29, 56383), (30, 56413), (31, 56443),

Gene: Colbert_64 Start: 55301, Stop: 55522, Start Num: 19

Candidate Starts for Colbert_64:

(17, 55190), (Start: 19 @55301 has 21 MA's), (20, 55307), (21, 55367), (22, 55373), (23, 55385), (24, 55394), (25, 55406), (26, 55412), (27, 55424), (28, 55430), (29, 55436), (30, 55466), (31, 55496),

Gene: Freya_63 Start: 55433, Stop: 55681, Start Num: 19

Candidate Starts for Freya_63:

(17, 55322), (Start: 19 @55433 has 21 MA's), (20, 55439), (21, 55499), (22, 55505), (23, 55517), (24, 55526), (25, 55538), (26, 55544), (27, 55556), (28, 55562), (29, 55568),

Gene: Hertubise_65 Start: 56020, Stop: 56241, Start Num: 19

Candidate Starts for Hertubise_65:

(1, 55168), (2, 55222), (3, 55225), (4, 55240), (5, 55288), (6, 55363), (7, 55375), (8, 55381), (9, 55399), (10, 55483), (11, 55489), (12, 55525), (13, 55561), (14, 55729), (17, 55909), (Start: 19 @56020 has 21 MA's), (20, 56026), (21, 56086), (22, 56092), (23, 56104), (24, 56113), (25, 56125), (26, 56131), (27, 56143), (28, 56149), (29, 56155), (30, 56185), (31, 56215),

Gene: Hetaeria_65 Start: 55960, Stop: 56181, Start Num: 19

Candidate Starts for Hetaeria_65:

(11, 55429), (12, 55465), (13, 55501), (14, 55669), (17, 55849), (Start: 19 @55960 has 21 MA's), (20, 55966), (21, 56026), (22, 56032), (23, 56044), (24, 56053), (25, 56065), (26, 56071), (27, 56083), (28, 56089), (29, 56095), (30, 56125), (31, 56155),

Gene: JangoPhett_101 Start: 56048, Stop: 56296, Start Num: 19

Candidate Starts for JangoPhett_101:

(16, 55901), (17, 55937), (18, 55949), (Start: 19 @56048 has 21 MA's), (20, 56054), (21, 56114), (22, 56120), (23, 56132), (24, 56141), (25, 56153), (26, 56159), (27, 56171), (28, 56177), (29, 56183),

Gene: Lulumae_63 Start: 55437, Stop: 55658, Start Num: 19

Candidate Starts for Lulumae_63:

(11, 54906), (12, 54942), (13, 54978), (14, 55146), (17, 55326), (Start: 19 @55437 has 21 MA's), (20, 55443), (21, 55503), (22, 55509), (23, 55521), (24, 55530), (25, 55542), (26, 55548), (27, 55560), (28, 55566), (29, 55572), (30, 55602), (31, 55632),

Gene: Megatron_66 Start: 56230, Stop: 56451, Start Num: 19

Candidate Starts for Megatron_66:

(1, 55378), (2, 55432), (3, 55435), (4, 55450), (5, 55498), (6, 55573), (7, 55585), (8, 55591), (9, 55609), (10, 55693), (11, 55699), (12, 55735), (13, 55771), (14, 55939), (15, 55996), (17, 56119), (Start: 19 @56230 has 21 MA's), (20, 56236), (21, 56296), (22, 56302), (23, 56314), (24, 56323), (25, 56335), (26, 56341), (27, 56353), (28, 56359), (29, 56365), (30, 56395), (31, 56425),

Gene: Nacho_0069 Start: 56765, Stop: 56986, Start Num: 19

Candidate Starts for Nacho_0069:

(Start: 19 @56765 has 21 MA's), (20, 56771), (21, 56831), (22, 56837), (23, 56849), (24, 56858), (25, 56870), (26, 56876), (27, 56888), (28, 56894), (29, 56900), (30, 56930), (31, 56960),

Gene: Numberten_65 Start: 55950, Stop: 56171, Start Num: 19

Candidate Starts for Numberten_65:

(11, 55419), (12, 55455), (13, 55491), (14, 55659), (17, 55839), (Start: 19 @55950 has 21 MA's), (20, 55956), (21, 56016), (22, 56022), (23, 56034), (24, 56043), (25, 56055), (26, 56061), (27, 56073), (28, 56079), (29, 56085), (30, 56115), (31, 56145),

Gene: Oosterbaan_65 Start: 56007, Stop: 56228, Start Num: 19

Candidate Starts for Oosterbaan_65:

(1, 55155), (2, 55209), (3, 55212), (4, 55227), (5, 55275), (6, 55350), (7, 55362), (8, 55368), (9, 55386), (10, 55470), (11, 55476), (12, 55512), (13, 55548), (14, 55716), (17, 55896), (Start: 19 @56007 has 21 MA's), (20, 56013), (21, 56073), (22, 56079), (23, 56091), (24, 56100), (25, 56112), (26, 56118), (27, 56130), (28, 56136), (29, 56142), (30, 56172), (31, 56202),

Gene: Phunky_64 Start: 55747, Stop: 55995, Start Num: 19

Candidate Starts for Phunky_64:

(16, 55600), (17, 55636), (18, 55648), (Start: 19 @55747 has 21 MA's), (20, 55753), (21, 55813), (22, 55819), (23, 55831), (24, 55840), (25, 55852), (26, 55858), (27, 55870), (28, 55876), (29, 55882),

Gene: Pops_64 Start: 55747, Stop: 55968, Start Num: 19

Candidate Starts for Pops_64:

(11, 55213), (12, 55249), (13, 55285), (14, 55453), (15, 55510), (17, 55636), (18, 55648), (Start: 19 @55747 has 21 MA's), (20, 55753), (21, 55813), (22, 55819), (23, 55831), (24, 55840), (25, 55852), (26, 55858), (27, 55870), (28, 55876), (29, 55882), (30, 55912), (31, 55942),

Gene: Serendipity_65 Start: 56026, Stop: 56247, Start Num: 19

Candidate Starts for Serendipity_65:

(1, 55174), (2, 55228), (3, 55231), (4, 55246), (5, 55294), (6, 55369), (7, 55381), (8, 55387), (9, 55405), (10, 55489), (11, 55495), (12, 55531), (13, 55567), (14, 55735), (17, 55915), (Start: 19 @56026 has 21 MA's), (20, 56032), (21, 56092), (22, 56098), (23, 56110), (24, 56119), (25, 56131), (26, 56137), (27, 56149), (28, 56155), (29, 56161), (30, 56191), (31, 56221),

Gene: ShiVal_64 Start: 55751, Stop: 55999, Start Num: 19

Candidate Starts for ShiVal_64:

(16, 55604), (17, 55640), (18, 55652), (Start: 19 @55751 has 21 MA's), (20, 55757), (21, 55817), (22, 55823), (23, 55835), (24, 55844), (25, 55856), (26, 55862), (27, 55874), (28, 55880), (29, 55886),

Gene: Suffolk_64 Start: 55522, Stop: 55743, Start Num: 19

Candidate Starts for Suffolk_64:

(Start: 19 @55522 has 21 MA's), (20, 55528), (21, 55588), (22, 55594), (23, 55606), (24, 55615), (25, 55627), (26, 55633), (27, 55645), (28, 55651), (29, 55657), (30, 55687), (31, 55717),

Gene: ThreeOh3D2_67 Start: 56236, Stop: 56457, Start Num: 19

Candidate Starts for ThreeOh3D2_67:

(1, 55384), (2, 55438), (3, 55441), (4, 55456), (5, 55504), (6, 55579), (7, 55591), (8, 55597), (9, 55615), (10, 55699), (11, 55705), (12, 55741), (13, 55777), (14, 55945), (17, 56125), (Start: 19 @56236 has 21 MA's), (20, 56242), (21, 56302), (22, 56308), (23, 56320), (24, 56329), (25, 56341), (26, 56347), (27, 56359), (28, 56365), (29, 56371), (30, 56401), (31, 56431),

Gene: Vaticameos_63 Start: 54263, Stop: 54484, Start Num: 19

Candidate Starts for Vaticameos_63:

(11, 53732), (12, 53768), (13, 53804), (14, 53972), (15, 54029), (17, 54152), (Start: 19 @54263 has 21 MA's), (20, 54269), (21, 54329), (22, 54335), (23, 54347), (24, 54356), (25, 54368), (26, 54374), (27, 54386), (28, 54392), (29, 54398), (30, 54428), (31, 54458),

Gene: Virapocalypse_67 Start: 56057, Stop: 56305, Start Num: 19

Candidate Starts for Virapocalypse_67:

(16, 55910), (17, 55946), (18, 55958), (Start: 19 @56057 has 21 MA's), (20, 56063), (21, 56123), (22, 56129), (23, 56141), (24, 56150), (25, 56162), (26, 56168), (27, 56180), (28, 56186), (29, 56192),

Gene: Xavier_65 Start: 55720, Stop: 55941, Start Num: 19

Candidate Starts for Xavier_65:

(1, 54868), (2, 54922), (3, 54925), (4, 54940), (5, 54988), (6, 55063), (7, 55075), (8, 55081), (9, 55099), (10, 55183), (11, 55189), (12, 55225), (13, 55261), (14, 55429), (15, 55486), (17, 55609), (Start: 19 @55720 has 21 MA's), (20, 55726), (21, 55786), (22, 55792), (23, 55804), (24, 55813), (25, 55825), (26, 55831), (27, 55843), (28, 55849), (29, 55855), (30, 55885), (31, 55915),