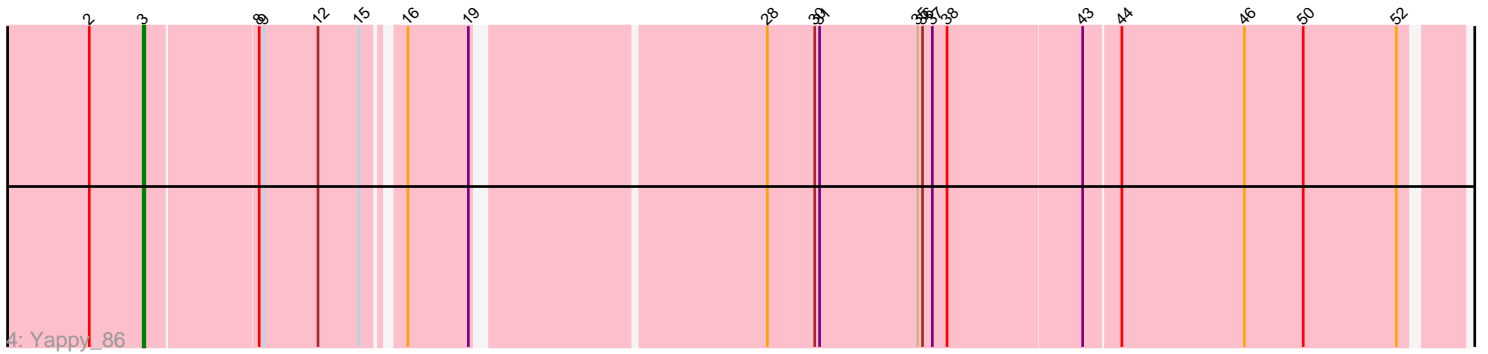
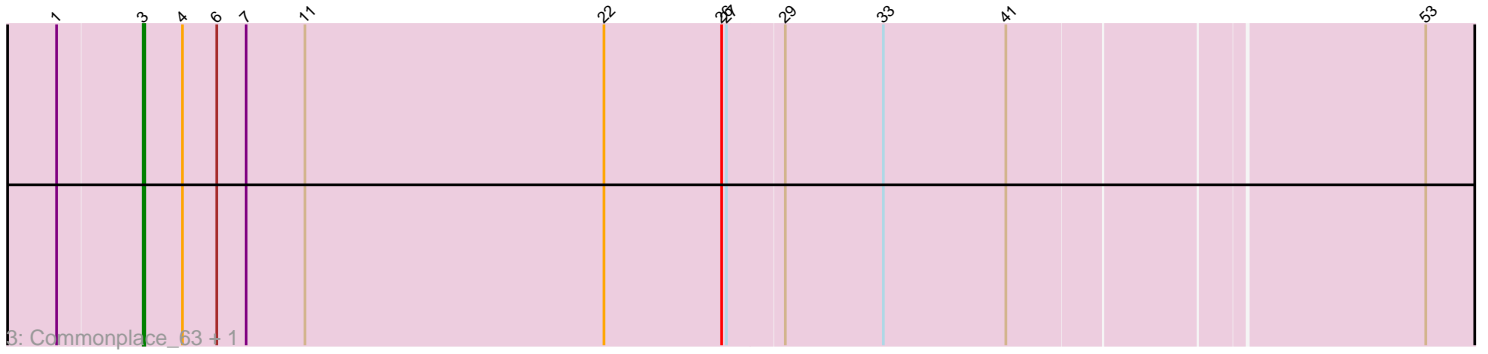
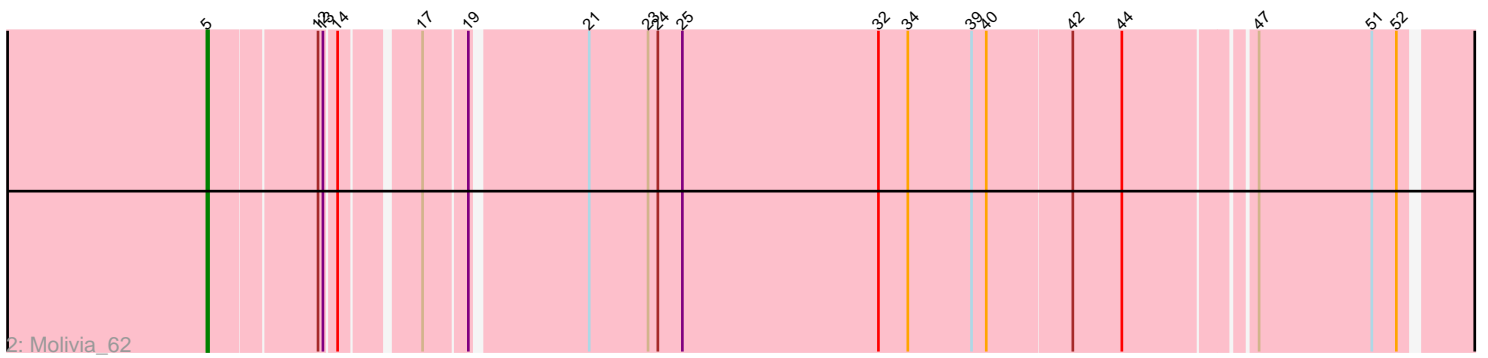
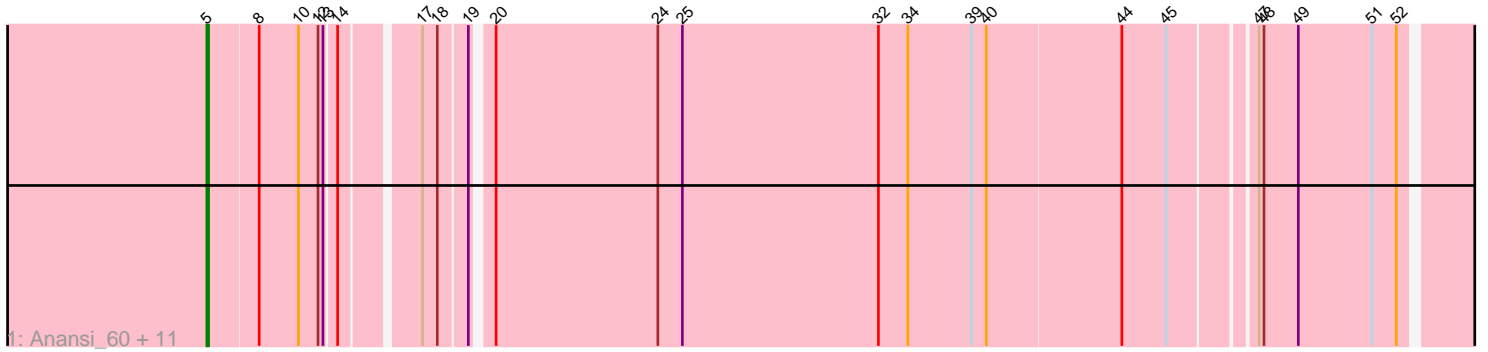


Pham 203411



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 203411 Report

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

Pham number 203411 has 16 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Anansi_60, SorJuana_60, Jaek_60, Boersma_63, Yeezus_60, Amavida_62, Ichor_60, Gorgeous_60, Rings_61, Thunderclap_60, Heylee_63, Amigo_61
- Track 2 : Molivia_62
- Track 3 : Commonplace_63, Nonagon_62
- Track 4 : Yappy_86

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 13 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amavida_62, Amigo_61, Anansi_60, Boersma_63, Gorgeous_60, Heylee_63, Ichor_60, Jaek_60, Molivia_62, Rings_61, SorJuana_60, Thunderclap_60, Yeezus_60,

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

-

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

- Commonplace_63, Nonagon_62, Yappy_86,

Summary by start number:

Start 3:

- Found in 3 of 16 (18.8%) of genes in pham
- Manual Annotations of this start: 3 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Commonplace_63 (JD), Nonagon_62 (JD), Yappy_86 (singleton),

Start 5:

- Found in 13 of 16 (81.2%) of genes in pham

- Manual Annotations of this start: 13 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amavida_62 (AQ), Amigo_61 (AQ), Anansi_60 (AQ), Boersma_63 (AQ), Gorgeous_60 (AQ), Heylee_63 (AQ), Ichor_60 (AQ), Jaek_60 (AQ), Molivia_62 (AQ), Rings_61 (AQ), SorJuana_60 (AQ), Thunderclap_60 (AQ), Yeezus_60 (AQ),

Summary by clusters:

There are 3 clusters represented in this pham: AQ, JD, singleton,

Info for manual annotations of cluster AQ:

- Start number 5 was manually annotated 13 times for cluster AQ.

Info for manual annotations of cluster JD:

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

Gene Information:

Gene: Amavida_62 Start: 40997, Stop: 40257, Start Num: 5

Candidate Starts for Amavida_62:

(Start: 5 @40997 has 13 MA's), (8, 40967), (10, 40943), (12, 40931), (13, 40928), (14, 40922), (17, 40880), (18, 40871), (19, 40856), (20, 40847), (24, 40748), (25, 40733), (32, 40613), (34, 40595), (39, 40556), (40, 40547), (44, 40466), (45, 40439), (47, 40394), (48, 40391), (49, 40370), (51, 40325), (52, 40310),

Gene: Amigo_61 Start: 41212, Stop: 40472, Start Num: 5

Candidate Starts for Amigo_61:

(Start: 5 @41212 has 13 MA's), (8, 41182), (10, 41158), (12, 41146), (13, 41143), (14, 41137), (17, 41095), (18, 41086), (19, 41071), (20, 41062), (24, 40963), (25, 40948), (32, 40828), (34, 40810), (39, 40771), (40, 40762), (44, 40681), (45, 40654), (47, 40609), (48, 40606), (49, 40585), (51, 40540), (52, 40525),

Gene: Anansi_60 Start: 40819, Stop: 40079, Start Num: 5

Candidate Starts for Anansi_60:

(Start: 5 @40819 has 13 MA's), (8, 40789), (10, 40765), (12, 40753), (13, 40750), (14, 40744), (17, 40702), (18, 40693), (19, 40678), (20, 40669), (24, 40570), (25, 40555), (32, 40435), (34, 40417), (39, 40378), (40, 40369), (44, 40288), (45, 40261), (47, 40216), (48, 40213), (49, 40192), (51, 40147), (52, 40132),

Gene: Boersma_63 Start: 41212, Stop: 40472, Start Num: 5

Candidate Starts for Boersma_63:

(Start: 5 @41212 has 13 MA's), (8, 41182), (10, 41158), (12, 41146), (13, 41143), (14, 41137), (17, 41095), (18, 41086), (19, 41071), (20, 41062), (24, 40963), (25, 40948), (32, 40828), (34, 40810), (39, 40771), (40, 40762), (44, 40681), (45, 40654), (47, 40609), (48, 40606), (49, 40585), (51, 40540), (52, 40525),

Gene: Commonplace_63 Start: 41846, Stop: 41034, Start Num: 3

Candidate Starts for Commonplace_63:

(1, 41897), (Start: 3 @41846 has 3 MA's), (4, 41822), (6, 41801), (7, 41783), (11, 41747), (22, 41564), (26, 41492), (27, 41489), (29, 41456), (33, 41396), (41, 41321), (53, 41078),

Gene: Gorgeous_60 Start: 40819, Stop: 40079, Start Num: 5

Candidate Starts for Gorgeous_60:

(Start: 5 @40819 has 13 MA's), (8, 40789), (10, 40765), (12, 40753), (13, 40750), (14, 40744), (17, 40702), (18, 40693), (19, 40678), (20, 40669), (24, 40570), (25, 40555), (32, 40435), (34, 40417), (39, 40378), (40, 40369), (44, 40288), (45, 40261), (47, 40216), (48, 40213), (49, 40192), (51, 40147), (52, 40132),

Gene: Heylee_63 Start: 40997, Stop: 40257, Start Num: 5

Candidate Starts for Heylee_63:

(Start: 5 @40997 has 13 MA's), (8, 40967), (10, 40943), (12, 40931), (13, 40928), (14, 40922), (17, 40880), (18, 40871), (19, 40856), (20, 40847), (24, 40748), (25, 40733), (32, 40613), (34, 40595), (39, 40556), (40, 40547), (44, 40466), (45, 40439), (47, 40394), (48, 40391), (49, 40370), (51, 40325), (52, 40310),

Gene: Ichor_60 Start: 41212, Stop: 40472, Start Num: 5

Candidate Starts for Ichor_60:

(Start: 5 @41212 has 13 MA's), (8, 41182), (10, 41158), (12, 41146), (13, 41143), (14, 41137), (17, 41095), (18, 41086), (19, 41071), (20, 41062), (24, 40963), (25, 40948), (32, 40828), (34, 40810), (39, 40771), (40, 40762), (44, 40681), (45, 40654), (47, 40609), (48, 40606), (49, 40585), (51, 40540), (52, 40525),

Gene: Jaek_60 Start: 41212, Stop: 40472, Start Num: 5

Candidate Starts for Jaek_60:

(Start: 5 @41212 has 13 MA's), (8, 41182), (10, 41158), (12, 41146), (13, 41143), (14, 41137), (17, 41095), (18, 41086), (19, 41071), (20, 41062), (24, 40963), (25, 40948), (32, 40828), (34, 40810), (39, 40771), (40, 40762), (44, 40681), (45, 40654), (47, 40609), (48, 40606), (49, 40585), (51, 40540), (52, 40525),

Gene: Molivia_62 Start: 39615, Stop: 38878, Start Num: 5

Candidate Starts for Molivia_62:

(Start: 5 @39615 has 13 MA's), (12, 39552), (13, 39549), (14, 39543), (17, 39501), (19, 39477), (21, 39411), (23, 39375), (24, 39369), (25, 39354), (32, 39234), (34, 39216), (39, 39177), (40, 39168), (42, 39117), (44, 39087), (47, 39015), (51, 38946), (52, 38931),

Gene: Nonagon_62 Start: 41552, Stop: 40740, Start Num: 3

Candidate Starts for Nonagon_62:

(1, 41603), (Start: 3 @41552 has 3 MA's), (4, 41528), (6, 41507), (7, 41489), (11, 41453), (22, 41270), (26, 41198), (27, 41195), (29, 41162), (33, 41102), (41, 41027), (53, 40784),

Gene: Rings_61 Start: 41260, Stop: 40520, Start Num: 5

Candidate Starts for Rings_61:

(Start: 5 @41260 has 13 MA's), (8, 41230), (10, 41206), (12, 41194), (13, 41191), (14, 41185), (17, 41143), (18, 41134), (19, 41119), (20, 41110), (24, 41011), (25, 40996), (32, 40876), (34, 40858), (39, 40819), (40, 40810), (44, 40729), (45, 40702), (47, 40657), (48, 40654), (49, 40633), (51, 40588), (52, 40573),

Gene: SorJuana_60 Start: 40819, Stop: 40079, Start Num: 5

Candidate Starts for SorJuana_60:

(Start: 5 @40819 has 13 MA's), (8, 40789), (10, 40765), (12, 40753), (13, 40750), (14, 40744), (17, 40702), (18, 40693), (19, 40678), (20, 40669), (24, 40570), (25, 40555), (32, 40435), (34, 40417), (39, 40378), (40, 40369), (44, 40288), (45, 40261), (47, 40216), (48, 40213), (49, 40192), (51, 40147), (52, 40132),

Gene: Thunderclap_60 Start: 41241, Stop: 40501, Start Num: 5

Candidate Starts for Thunderclap_60:

(Start: 5 @41241 has 13 MA's), (8, 41211), (10, 41187), (12, 41175), (13, 41172), (14, 41166), (17, 41124), (18, 41115), (19, 41100), (20, 41091), (24, 40992), (25, 40977), (32, 40857), (34, 40839), (39, 40800), (40, 40791), (44, 40710), (45, 40683), (47, 40638), (48, 40635), (49, 40614), (51, 40569), (52, 40554),

Gene: Yappy_86 Start: 44513, Stop: 43758, Start Num: 3

Candidate Starts for Yappy_86:

(2, 44546), (Start: 3 @44513 has 3 MA's), (8, 44447), (9, 44444), (12, 44411), (15, 44387), (16, 44369), (19, 44333), (28, 44168), (30, 44141), (31, 44138), (35, 44078), (36, 44075), (37, 44069), (38, 44060), (43, 43979), (44, 43958), (46, 43883), (50, 43847), (52, 43790),

Gene: Yeezus_60 Start: 41211, Stop: 40471, Start Num: 5

Candidate Starts for Yeezus_60:

(Start: 5 @41211 has 13 MA's), (8, 41181), (10, 41157), (12, 41145), (13, 41142), (14, 41136), (17, 41094), (18, 41085), (19, 41070), (20, 41061), (24, 40962), (25, 40947), (32, 40827), (34, 40809), (39, 40770), (40, 40761), (44, 40680), (45, 40653), (47, 40608), (48, 40605), (49, 40584), (51, 40539), (52, 40524),