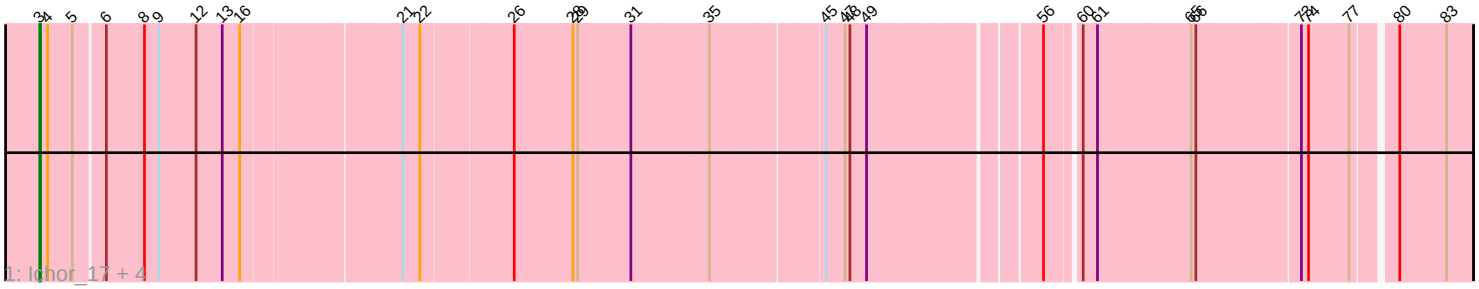
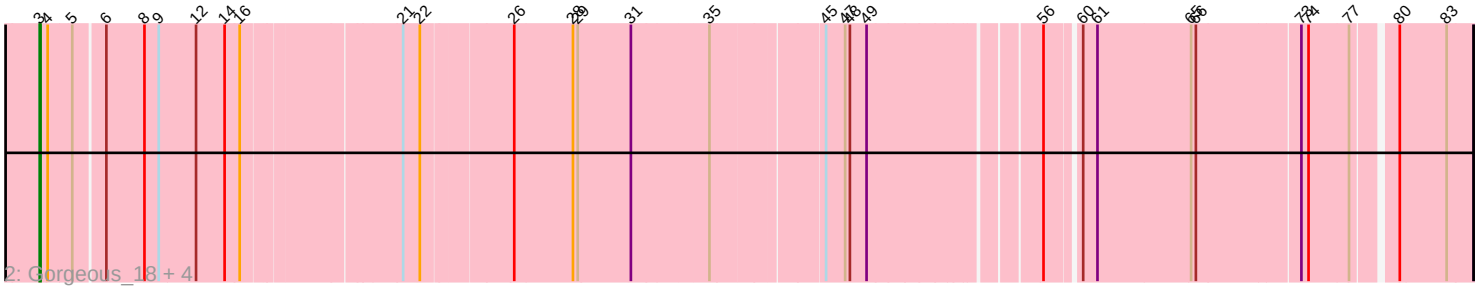
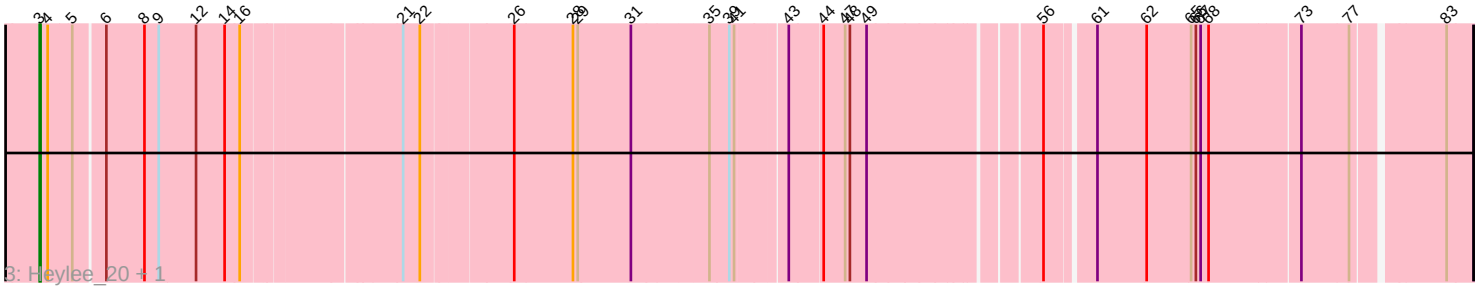
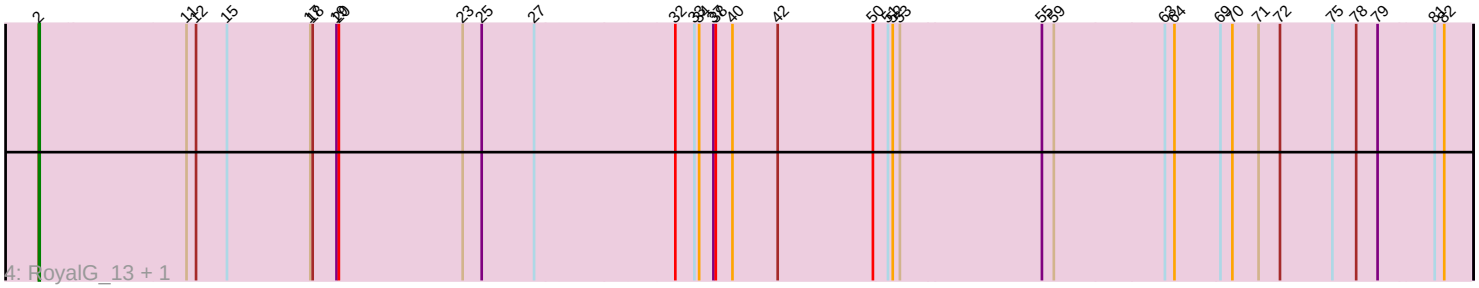
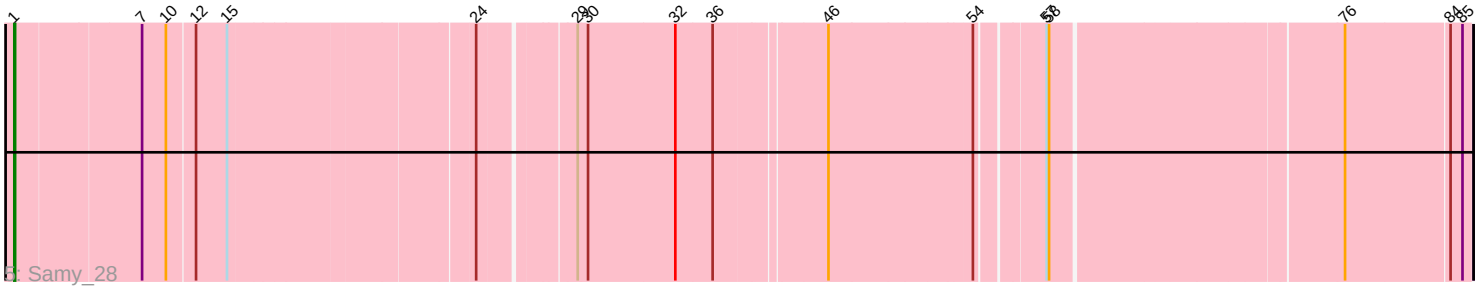
Pham 344525











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 344525 Report

This analysis was run 11/14/26 on database version 672.

Pham number 344525 has 15 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Ichor_17, Amigo_18, Jaek_17, Yeezus_17, Boersma_19
• Track 2 : Gorgeous_18, Anansi_18, Rings_17, Thunderclap_18, SorJuana_18
• Track 3 : Heylee_20, Amavida_20
• Track 4 : RoyalG_13, SteveFrench_11
• Track 5 : Samy_28

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 12 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amavida_20, Amigo_18, Anansi_18, Boersma_19, Gorgeous_18, Heylee_20, Ichor_17, Jaek_17, Rings_17, SorJuana_18, Thunderclap_18, Yeezus_17,

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

Genes that do not have the "Most Annotated" start:
• RoyalG_13, Samy_28, SteveFrench_11,

Summary by start number:

Start 1:
• Found in 1 of 15 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Samy_28 (singleton),

Start 2:
• Found in 2 of 15 (13.3%) of genes in pham
• Manual Annotations of this start: 2 of 15
• Called 100.0% of time when present

• Phage (with cluster) where this start called: RoyalG_13 (CS2), SteveFrench_11 (CS2),

Start 3:
• Found in 12 of 15 (80.0%) of genes in pham
• Manual Annotations of this start: 12 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amavida_20 (AQ), Amigo_18 (AQ), Anansi_18 (AQ), Boersma_19 (AQ), Gorgeous_18 (AQ), Heylee_20 (AQ), Ichor_17 (AQ), Jaek_17 (AQ), Rings_17 (AQ), SorJuana_18 (AQ), Thunderclap_18 (AQ), Yeezus_17 (AQ),

Summary by clusters:

There are 3 clusters represented in this pham: AQ, singleton, CS2,

Info for manual annotations of cluster AQ:
•Start number 3 was manually annotated 12 times for cluster AQ.

Info for manual annotations of cluster CS2:
•Start number 2 was manually annotated 2 times for cluster CS2.

Gene Information:

Gene: Amavida_20 Start: 5088, Stop: 6713, Start Num: 3
Candidate Starts for Amavida_20:
(Start: 3 @5088 has 12 MA's), (4, 5097), (5, 5124), (6, 5160), (8, 5205), (9, 5223), (12, 5268), (14, 5304), (16, 5322), (21, 5502), (22, 5520), (26, 5625), (28, 5697), (29, 5703), (31, 5766), (35, 5856), (39, 5880), (41, 5886), (43, 5943), (44, 5982), (47, 6009), (48, 6015), (49, 6036), (56, 6225), (61, 6279), (62, 6339), (65, 6393), (66, 6399), (67, 6405), (68, 6414), (73, 6522), (77, 6579), (83, 6681),

Gene: Amigo_18 Start: 4962, Stop: 6587, Start Num: 3
Candidate Starts for Amigo_18:
(Start: 3 @4962 has 12 MA's), (4, 4971), (5, 4998), (6, 5034), (8, 5079), (9, 5097), (12, 5142), (13, 5175), (16, 5196), (21, 5376), (22, 5394), (26, 5499), (28, 5571), (29, 5577), (31, 5640), (35, 5730), (45, 5859), (47, 5883), (48, 5889), (49, 5910), (56, 6099), (60, 6135), (61, 6153), (65, 6267), (66, 6273), (73, 6396), (74, 6405), (77, 6453), (80, 6498), (83, 6555),

Gene: Anansi_18 Start: 4971, Stop: 6596, Start Num: 3
Candidate Starts for Anansi_18:
(Start: 3 @4971 has 12 MA's), (4, 4980), (5, 5007), (6, 5043), (8, 5088), (9, 5106), (12, 5151), (14, 5187), (16, 5205), (21, 5385), (22, 5403), (26, 5508), (28, 5580), (29, 5586), (31, 5649), (35, 5739), (45, 5868), (47, 5892), (48, 5898), (49, 5919), (56, 6108), (60, 6144), (61, 6162), (65, 6276), (66, 6282), (73, 6405), (74, 6414), (77, 6462), (80, 6507), (83, 6564),

Gene: Boersma_19 Start: 4962, Stop: 6587, Start Num: 3
Candidate Starts for Boersma_19:
(Start: 3 @4962 has 12 MA's), (4, 4971), (5, 4998), (6, 5034), (8, 5079), (9, 5097), (12, 5142), (13, 5175), (16, 5196), (21, 5376), (22, 5394), (26, 5499), (28, 5571), (29, 5577), (31, 5640), (35, 5730), (45, 5859), (47, 5883), (48, 5889), (49, 5910), (56, 6099), (60, 6135), (61, 6153), (65, 6267), (66, 6273), (73, 6396), (74, 6405), (77, 6453), (80, 6498), (83, 6555),

Gene: Gorgeous_18 Start: 4971, Stop: 6596, Start Num: 3
Candidate Starts for Gorgeous_18:
(Start: 3 @4971 has 12 MA's), (4, 4980), (5, 5007), (6, 5043), (8, 5088), (9, 5106), (12, 5151), (14, 5187), (16, 5205), (21, 5385), (22, 5403), (26, 5508), (28, 5580), (29, 5586), (31, 5649), (35, 5739), (45, 5868), (47, 5892), (48, 5898), (49, 5919), (56, 6108), (60, 6144), (61, 6162), (65, 6276), (66, 6282), (73, 6405), (74, 6414), (77, 6462), (80, 6507), (83, 6564),

Gene: Heylee_20 Start: 5088, Stop: 6713, Start Num: 3
Candidate Starts for Heylee_20:
(Start: 3 @5088 has 12 MA's), (4, 5097), (5, 5124), (6, 5160), (8, 5205), (9, 5223), (12, 5268), (14, 5304), (16, 5322), (21, 5502), (22, 5520), (26, 5625), (28, 5697), (29, 5703), (31, 5766), (35, 5856), (39, 5880), (41, 5886), (43, 5943), (44, 5982), (47, 6009), (48, 6015), (49, 6036), (56, 6225), (61, 6279), (62, 6339), (65, 6393), (66, 6399), (67, 6405), (68, 6414), (73, 6522), (77, 6579), (83, 6681),

Gene: Ichor_17 Start: 4962, Stop: 6587, Start Num: 3
Candidate Starts for Ichor_17:
(Start: 3 @4962 has 12 MA's), (4, 4971), (5, 4998), (6, 5034), (8, 5079), (9, 5097), (12, 5142), (13, 5175), (16, 5196), (21, 5376), (22, 5394), (26, 5499), (28, 5571), (29, 5577), (31, 5640), (35, 5730), (45, 5859), (47, 5883), (48, 5889), (49, 5910), (56, 6099), (60, 6135), (61, 6153), (65, 6267), (66, 6273), (73, 6396), (74, 6405), (77, 6453), (80, 6498), (83, 6555),

Gene: Jaek_17 Start: 4962, Stop: 6587, Start Num: 3
Candidate Starts for Jaek_17:
(Start: 3 @4962 has 12 MA's), (4, 4971), (5, 4998), (6, 5034), (8, 5079), (9, 5097), (12, 5142), (13, 5175), (16, 5196), (21, 5376), (22, 5394), (26, 5499), (28, 5571), (29, 5577), (31, 5640), (35, 5730), (45, 5859), (47, 5883), (48, 5889), (49, 5910), (56, 6099), (60, 6135), (61, 6153), (65, 6267), (66, 6273), (73, 6396), (74, 6405), (77, 6453), (80, 6498), (83, 6555),

Gene: Rings_17 Start: 5093, Stop: 6718, Start Num: 3
Candidate Starts for Rings_17:
(Start: 3 @5093 has 12 MA's), (4, 5102), (5, 5129), (6, 5165), (8, 5210), (9, 5228), (12, 5273), (14, 5309), (16, 5327), (21, 5507), (22, 5525), (26, 5630), (28, 5702), (29, 5708), (31, 5771), (35, 5861), (45, 5990), (47, 6014), (48, 6020), (49, 6041), (56, 6230), (60, 6266), (61, 6284), (65, 6398), (66, 6404), (73, 6527), (74, 6536), (77, 6584), (80, 6629), (83, 6686),

Gene: RoyalG_13 Start: 11077, Stop: 12855, Start Num: 2
Candidate Starts for RoyalG_13:
(Start: 2 @11077 has 2 MA's), (11, 11257), (12, 11269), (15, 11308), (17, 11413), (18, 11416), (19, 11446), (20, 11449), (23, 11605), (25, 11629), (27, 11695), (32, 11863), (33, 11887), (34, 11893), (37, 11911), (38, 11914), (40, 11935), (42, 11992), (50, 12112), (51, 12130), (52, 12136), (53, 12145), (55, 12322), (59, 12337), (63, 12475), (64, 12487), (69, 12544), (70, 12559), (71, 12592), (72, 12619), (75, 12685), (78, 12715), (79, 12742), (81, 12811), (82, 12823),

Gene: Samy_28 Start: 22024, Stop: 23688, Start Num: 1
Candidate Starts for Samy_28:
(Start: 1 @22024 has 1 MA's), (7, 22174), (10, 22204), (12, 22234), (15, 22273), (24, 22558), (29, 22663), (30, 22675), (32, 22783), (36, 22825), (46, 22951), (54, 23122), (57, 23197), (58, 23200), (76, 23539), (84, 23665), (85, 23680),

Gene: SorJuana_18 Start: 4971, Stop: 6596, Start Num: 3
Candidate Starts for SorJuana_18:

(Start: 3 @4971 has 12 MA's), (4, 4980), (5, 5007), (6, 5043), (8, 5088), (9, 5106), (12, 5151), (14, 5187), (16, 5205), (21, 5385), (22, 5403), (26, 5508), (28, 5580), (29, 5586), (31, 5649), (35, 5739), (45, 5868), (47, 5892), (48, 5898), (49, 5919), (56, 6108), (60, 6144), (61, 6162), (65, 6276), (66, 6282), (73, 6405), (74, 6414), (77, 6462), (80, 6507), (83, 6564),

Gene: SteveFrench_11 Start: 10671, Stop: 12449, Start Num: 2
Candidate Starts for SteveFrench_11:
(Start: 2 @10671 has 2 MA's), (11, 10851), (12, 10863), (15, 10902), (17, 11007), (18, 11010), (19, 11040), (20, 11043), (23, 11199), (25, 11223), (27, 11289), (32, 11457), (33, 11481), (34, 11487), (37, 11505), (38, 11508), (40, 11529), (42, 11586), (50, 11706), (51, 11724), (52, 11730), (53, 11739), (55, 11916), (59, 11931), (63, 12069), (64, 12081), (69, 12138), (70, 12153), (71, 12186), (72, 12213), (75, 12279), (78, 12309), (79, 12336), (81, 12405), (82, 12417),

Gene: Thunderclap_18 Start: 4992, Stop: 6617, Start Num: 3
Candidate Starts for Thunderclap_18:
(Start: 3 @4992 has 12 MA's), (4, 5001), (5, 5028), (6, 5064), (8, 5109), (9, 5127), (12, 5172), (14, 5208), (16, 5226), (21, 5406), (22, 5424), (26, 5529), (28, 5601), (29, 5607), (31, 5670), (35, 5760), (45, 5889), (47, 5913), (48, 5919), (49, 5940), (56, 6129), (60, 6165), (61, 6183), (65, 6297), (66, 6303), (73, 6426), (74, 6435), (77, 6483), (80, 6528), (83, 6585),

Gene: Yeezus_17 Start: 4961, Stop: 6586, Start Num: 3
Candidate Starts for Yeezus_17:
(Start: 3 @4961 has 12 MA's), (4, 4970), (5, 4997), (6, 5033), (8, 5078), (9, 5096), (12, 5141), (13, 5174), (16, 5195), (21, 5375), (22, 5393), (26, 5498), (28, 5570), (29, 5576), (31, 5639), (35, 5729), (45, 5858), (47, 5882), (48, 5888), (49, 5909), (56, 6098), (60, 6134), (61, 6152), (65, 6266), (66, 6272), (73, 6395), (74, 6404), (77, 6452), (80, 6497), (83, 6554),