Pham 197080

1: Weirdo19_28
2: Poco6_012
3: Pepy6_010
4: JulesRay_11
5: BluerMoon_15
6: Secretariat_9
7: Gusicorn_15 + 1
8: Schwartz33_13

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 197080 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197080 has 9 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Weirdo19_28
• Track 2 : Poco6_012
• Track 3 : Pepy6_010
• Track 4 : JulesRay_11
• Track 5 : BluerMoon_15
• Track 6 : Secretariat_9
• Track 7 : Gusicorn_15, ShaggyRogers_16
• Track 8 : Schwartz33_13

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

The start number called the most often in the published annotations is 16, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Secretariat_9,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• BluerMoon_15, Gusicorn_15, JulesRay_11, Pepy6_010, Poco6_012, Schwartz33_13, ShaggyRogers_16, Weirdo19_28,

Summary by start number:

Start 11:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Weirdo19_28 (AH),

Start 15:
• Found in 6 of 9 (66.7%) of genes in pham

• Manual Annotations of this start: 1 of 2
• Called 50.0% of time when present
• Phage (with cluster) where this start called: BluerMoon_15 (DJ), JulesRay_11 (DJ), Schwartz33_13 (DJ),

Start 16:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Secretariat_9 (DJ),

Start 20:
• Found in 3 of 9 (33.3%) of genes in pham
• No Manual Annotations of this start.
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Pepy6_010 (CC), Poco6_012 (CC),

Start 32:
• Found in 6 of 9 (66.7%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Gusicorn_15 (DJ), ShaggyRogers_16 (DJ),

Summary by clusters:

There are 3 clusters represented in this pham: CC, AH, DJ,

Info for manual annotations of cluster DJ:
•Start number 15 was manually annotated 1 time for cluster DJ.
•Start number 16 was manually annotated 1 time for cluster DJ.

Gene Information:

Gene: BluerMoon_15 Start: 7109, Stop: 7933, Start Num: 15
Candidate Starts for BluerMoon_15:
(2, 6647), (3, 6665), (5, 6803), (6, 6896), (7, 7010), (10, 7058), (Start: 15 @7109 has 1 MA's), (18, 7145), (19, 7151), (31, 7337), (32, 7352), (39, 7490), (48, 7667), (50, 7712), (51, 7730), (60, 7853), (61, 7865),

Gene: Gusicorn_15 Start: 7148, Stop: 7729, Start Num: 32
Candidate Starts for Gusicorn_15:
(1, 6440), (2, 6443), (3, 6461), (4, 6515), (6, 6692), (Start: 15 @6905 has 1 MA's), (18, 6941), (19, 6947), (23, 6974), (29, 7106), (31, 7133), (32, 7148), (34, 7157), (36, 7190), (39, 7286), (48, 7463), (50, 7508), (51, 7526), (65, 7718),

Gene: JulesRay_11 Start: 4264, Stop: 5085, Start Num: 15
Candidate Starts for JulesRay_11:

(2, 3802), (3, 3820), (6, 4051), (Start: 15 @4264 has 1 MA's), (20, 4309), (26, 4387), (27, 4399), (31, 4492), (32, 4507), (37, 4591), (39, 4645), (42, 4690), (45, 4771), (50, 4864), (55, 4960), (61, 5017),

Gene: Pepy6_010 Start: 9009, Stop: 9806, Start Num: 20
Candidate Starts for Pepy6_010:
(12, 8955), (14, 8961), (19, 9006), (20, 9009), (37, 9291), (39, 9345), (45, 9471), (48, 9522), (50, 9561), (52, 9630), (54, 9645), (55, 9657), (58, 9693), (59, 9699), (61, 9735), (62, 9744), (64, 9765),

Gene: Poco6_012 Start: 12440, Stop: 13237, Start Num: 20
Candidate Starts for Poco6_012:
(12, 12386), (14, 12392), (19, 12437), (20, 12440), (29, 12596), (37, 12722), (39, 12776), (45, 12902), (48, 12953), (50, 12992), (54, 13076), (56, 13097), (61, 13166), (62, 13175), (64, 13196),

Gene: Schwartz33_13 Start: 6686, Stop: 7513, Start Num: 15
Candidate Starts for Schwartz33_13:
(8, 6608), (9, 6614), (Start: 15 @6686 has 1 MA's), (22, 6740), (23, 6755), (32, 6929), (37, 7013), (39, 7067), (43, 7133), (44, 7160), (50, 7295), (61, 7448), (62, 7457), (63, 7469),

Gene: Secretariat_9 Start: 4290, Stop: 5117, Start Num: 16
Candidate Starts for Secretariat_9:
(Start: 15 @4287 has 1 MA's), (Start: 16 @4290 has 1 MA's), (21, 4338), (23, 4356), (30, 4500), (31, 4515), (32, 4530), (39, 4668), (43, 4734), (50, 4896), (55, 4992), (57, 5019), (60, 5037), (61, 5049),

Gene: ShaggyRogers_16 Start: 7147, Stop: 7728, Start Num: 32
Candidate Starts for ShaggyRogers_16:
(1, 6439), (2, 6442), (3, 6460), (4, 6514), (6, 6691), (Start: 15 @6904 has 1 MA's), (18, 6940), (19, 6946), (23, 6973), (29, 7105), (31, 7132), (32, 7147), (34, 7156), (36, 7189), (39, 7285), (48, 7462), (50, 7507), (51, 7525), (65, 7717),

Gene: Weirdo19_28 Start: 25821, Stop: 26675, Start Num: 11
Candidate Starts for Weirdo19_28:
(11, 25821), (13, 25824), (17, 25848), (21, 25884), (24, 25911), (25, 25920), (28, 25974), (33, 26082), (35, 26103), (38, 26166), (40, 26256), (41, 26277), (45, 26373), (46, 26394), (47, 26406), (49, 26427), (53, 26553),