Pham 116889

1: Settecandela_79 + 1
2: SCentae_119 + 1
3: Pupper_120
4: Skog_182
5: RedWattleHog_47 + 1
6: E3_gp117
7: Finch_49

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 116889 Report

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

Pham number 116889 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Settecandela_79, Phrappuccino_79
• Track 2 : SCentae_119, CherryTomatoes_123
• Track 3 : Pupper_120
• Track 4 : Skog_182
• Track 5 : RedWattleHog_47, Stormageddon_44
• Track 6 : E3_gp117
• Track 7 : Finch_49

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

The start number called the most often in the published annotations is 7, it was called in 2 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Phrappuccino_79, Settecandela_79,

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:
• CherryTomatoes_123, E3_gp117, Finch_49, Pupper_120, RedWattleHog_47, SCentae_119, Skog_182, Stormageddon_44,

Summary by start number:

Start 2:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Pupper_120 (DO),

Start 3:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 8

• Called 75.0% of time when present
• Phage (with cluster) where this start called: CherryTomatoes_123 (DO), SCentae_119 (DO), Skog_182 (DO),

Start 7:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phrappuccino_79 (AA), Settecandela_79 (AA),

Start 9:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: E3_gp117 (singleton), RedWattleHog_47 (DX), Stormageddon_44 (DX),

Start 10:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Finch_49 (singleton),

Summary by clusters:

There are 4 clusters represented in this pham: AA, DO, singleton, DX,

Info for manual annotations of cluster AA:
•Start number 7 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster DO:
•Start number 2 was manually annotated 1 time for cluster DO.
•Start number 3 was manually annotated 2 times for cluster DO.

Info for manual annotations of cluster DX:
•Start number 9 was manually annotated 2 times for cluster DX.

Gene Information:

Gene: CherryTomatoes_123 Start: 74342, Stop: 75157, Start Num: 3
Candidate Starts for CherryTomatoes_123:
(Start: 2 @74333 has 1 MA's), (Start: 3 @74342 has 2 MA's), (19, 74711), (21, 74732), (24, 74747), (31, 74882), (36, 74954), (37, 75146),

Gene: E3_gp117 Start: 71320, Stop: 71931, Start Num: 9
Candidate Starts for E3_gp117:
(1, 70933), (Start: 9 @71320 has 2 MA's), (11, 71353), (13, 71437), (15, 71455), (18, 71494), (19, 71512), (20, 71515), (28, 71626), (29, 71653), (30, 71671), (31, 71683), (33, 71707), (34, 71722),

Gene: Finch_49 Start: 40028, Stop: 40618, Start Num: 10

Candidate Starts for Finch_49:
(4, 39959), (5, 39971), (6, 39977), (Start: 10 @40028 has 1 MA's), (11, 40061), (13, 40145), (17, 40184), (22, 40250), (25, 40286), (26, 40316), (29, 40364), (30, 40382), (31, 40394), (35, 40439),

Gene: Phrappuccino_79 Start: 57046, Stop: 57585, Start Num: 7
Candidate Starts for Phrappuccino_79:
(Start: 7 @57046 has 2 MA's), (8, 57049), (11, 57127), (12, 57187), (13, 57211), (14, 57214), (17, 57250), (19, 57286), (20, 57289), (21, 57307), (22, 57316), (27, 57385), (28, 57400), (32, 57478),

Gene: Pupper_120 Start: 75182, Stop: 76006, Start Num: 2
Candidate Starts for Pupper_120:
(Start: 2 @75182 has 1 MA's), (Start: 3 @75191 has 2 MA's), (19, 75560), (21, 75581), (24, 75596), (31, 75731), (36, 75803), (37, 75995),

Gene: RedWattleHog_47 Start: 45482, Stop: 46126, Start Num: 9
Candidate Starts for RedWattleHog_47:
(Start: 9 @45482 has 2 MA's), (11, 45515), (14, 45602), (16, 45623), (21, 45695), (22, 45704), (23, 45707), (26, 45770), (32, 45869), (38, 46118),

Gene: SCentae_119 Start: 75344, Stop: 76156, Start Num: 3
Candidate Starts for SCentae_119:
(Start: 2 @75335 has 1 MA's), (Start: 3 @75344 has 2 MA's), (19, 75713), (21, 75734), (24, 75749), (31, 75884), (36, 75956), (37, 76145),

Gene: Settecandela_79 Start: 57046, Stop: 57585, Start Num: 7
Candidate Starts for Settecandela_79:
(Start: 7 @57046 has 2 MA's), (8, 57049), (11, 57127), (12, 57187), (13, 57211), (14, 57214), (17, 57250), (19, 57286), (20, 57289), (21, 57307), (22, 57316), (27, 57385), (28, 57400), (32, 57478),

Gene: Skog_182 Start: 105122, Stop: 105937, Start Num: 3
Candidate Starts for Skog_182:
(Start: 2 @105113 has 1 MA's), (Start: 3 @105122 has 2 MA's), (13, 105416), (19, 105491), (21, 105512), (22, 105521), (24, 105527), (31, 105662), (36, 105734),

Gene: Stormageddon_44 Start: 45465, Stop: 46109, Start Num: 9
Candidate Starts for Stormageddon_44:
(Start: 9 @45465 has 2 MA's), (11, 45498), (14, 45585), (16, 45606), (21, 45678), (22, 45687), (23, 45690), (26, 45753), (32, 45852), (38, 46101),