Pham 8955

1: Wolfstar_116
2: Lupine_110
3: Hubbs_114
4: PhillyPhilly_110
5: Ravlo_112
6: DejaVu_116 + 1

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 8955 Report

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

Pham number 8955 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Wolfstar_116
• Track 2 : Lupine_110
• Track 3 : Hubbs_114
• Track 4 : PhillyPhilly_110
• Track 5 : Pavlo_112
• Track 6 : DejaVu_116, Roman_116

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

The start number called the most often in the published annotations is 10, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DejaVu_116, Hubbs_114, Lupine_110, Roman_116,

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:
• Pavlo_112, PhillyPhilly_110, Wolfstar_116,

Summary by start number:

Start 6:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pavlo_112 (ED1),

Start 8:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PhillyPhilly_110 (ED1),

Start 10:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DejaVu_116 (ED1), Hubbs_114 (ED1), Lupine_110 (ED1), Roman_116 (ED1),

Start 12:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Wolfstar_116 (ED),

Summary by clusters:

There are 2 clusters represented in this pham: ED, ED1,

Info for manual annotations of cluster ED1:
•Start number 6 was manually annotated 1 time for cluster ED1.
•Start number 8 was manually annotated 1 time for cluster ED1.
•Start number 10 was manually annotated 4 times for cluster ED1.

Gene Information:

Gene: DejaVu_116 Start: 60113, Stop: 59355, Start Num: 10
Candidate Starts for DejaVu_116:
(Start: 10 @60113 has 4 MA's), (11, 60095), (13, 60077), (17, 59996), (19, 59960), (20, 59945), (21, 59933), (22, 59915), (23, 59870), (24, 59864), (26, 59822), (27, 59756), (28, 59735), (33, 59657), (38, 59564), (40, 59522), (41, 59426), (44, 59378),

Gene: Hubbs_114 Start: 60132, Stop: 59350, Start Num: 10
Candidate Starts for Hubbs_114:
(Start: 10 @60132 has 4 MA's), (11, 60114), (13, 60096), (17, 60015), (19, 59979), (20, 59964), (21, 59952), (22, 59934), (23, 59889), (24, 59883), (26, 59841), (27, 59775), (33, 59676), (37, 59592), (38, 59583), (40, 59541), (41, 59445), (44, 59397), (46, 59355),

Gene: Lupine_110 Start: 59007, Stop: 58249, Start Num: 10
Candidate Starts for Lupine_110:
(Start: 10 @59007 has 4 MA's), (11, 58989), (13, 58971), (17, 58890), (19, 58854), (20, 58839), (21, 58827), (22, 58809), (24, 58758), (26, 58716), (27, 58650), (28, 58629), (33, 58551), (37, 58467), (38, 58458), (40, 58416), (41, 58320), (44, 58272),

Gene: Pavlo_112 Start: 60137, Stop: 59193, Start Num: 6
Candidate Starts for Pavlo_112:
(1, 60314), (2, 60302), (3, 60254), (4, 60212), (5, 60167), (Start: 6 @60137 has 1 MA's), (7, 60056), (13, 59951), (14, 59918), (18, 59858), (20, 59822), (21, 59810), (23, 59747), (24, 59741), (31, 59543), (34, 59525), (38, 59429), (40, 59387), (41, 59291), (44, 59243), (47, 59198),

Gene: PhillyPhilly_110 Start: 59257, Stop: 58451, Start Num: 8

Candidate Starts for PhillyPhilly_110:
(Start: 8 @59257 has 1 MA's), (9, 59227), (13, 59182), (16, 59110), (20, 59053), (21, 59041), (22, 59023), (23, 58978), (24, 58972), (28, 58843), (29, 58834), (32, 58768), (38, 58660), (40, 58618), (41, 58522), (44, 58474),

Gene: Roman_116 Start: 60821, Stop: 60063, Start Num: 10
Candidate Starts for Roman_116:
(Start: 10 @60821 has 4 MA's), (11, 60803), (13, 60785), (17, 60704), (19, 60668), (20, 60653), (21, 60641), (22, 60623), (23, 60578), (24, 60572), (26, 60530), (27, 60464), (28, 60443), (33, 60365), (38, 60272), (40, 60230), (41, 60134), (44, 60086),

Gene: Wolfstar_116 Start: 60836, Stop: 60099, Start Num: 12
Candidate Starts for Wolfstar_116:
(12, 60836), (15, 60776), (23, 60629), (25, 60614), (30, 60494), (35, 60377), (36, 60374), (38, 60335), (39, 60314), (42, 60167), (43, 60161), (45, 60131), (46, 60107),