Pham 5541

1: Stuff_68
2: Araceli_68 + 2
3: Microdoh_67
4: JackieBl_69
5: Marky_72
6: Bogota_69
7: Intolerant_66
8: Crosby_70
9: LazerLemon_69

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 5541 Report

This analysis was run 04/12/24 on database version 558.

Pham number 5541 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Stuff_68
• Track 2 : Araceli_68, Henoccus_69, UNTPL_70
• Track 3 : Microdon_67
• Track 4 : JackieB_69
• Track 5 : Marky_72
• Track 6 : Bogota_69
• Track 7 : Intolerant_66
• Track 8 : Crosby_70
• Track 9 : LazerLemon_69

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

The start number called the most often in the published annotations is 1, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Araceli_68, Bogota_69, Crosby_70, Henoccus_69, Intolerant_66, JackieB_69, LazerLemon_69, Microdon_67, Stuff_68, UNTPL_70,

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:
• Marky_72,

Summary by start number:

Start 1:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Araceli_68 (BH), Bogota_69 (BH), Crosby_70 (BH), Henoccus_69 (BH), Intolerant_66 (BH), JackieB_69 (BH), LazerLemon_69 (BH), Microdon_67 (BH), Stuff_68 (BH), UNTPL_70 (BH),

Start 2:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Marky_72 (BH),

Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:
•Start number 1 was manually annotated 10 times for cluster BH.
•Start number 2 was manually annotated 1 time for cluster BH.

Gene Information:

Gene: Araceli_68 Start: 48547, Stop: 48933, Start Num: 1
Candidate Starts for Araceli_68:
(Start: 1 @48547 has 10 MA's), (3, 48580), (5, 48616), (6, 48622), (10, 48718), (13, 48754), (16, 48778), (22, 48847), (24, 48859), (26, 48895), (29, 48904), (30, 48913), (31, 48928),

Gene: Bogota_69 Start: 48804, Stop: 49208, Start Num: 1
Candidate Starts for Bogota_69:
(Start: 1 @48804 has 10 MA's), (3, 48840), (12, 49002), (17, 49032), (21, 49074), (22, 49101), (25, 49146), (26, 49170), (31, 49203),

Gene: Crosby_70 Start: 48776, Stop: 49180, Start Num: 1
Candidate Starts for Crosby_70:
(Start: 1 @48776 has 10 MA's), (3, 48812), (10, 48950), (12, 48974), (14, 48992), (17, 49004), (19, 49025), (25, 49118), (27, 49145), (30, 49160), (31, 49175),

Gene: Henoccus_69 Start: 48686, Stop: 49072, Start Num: 1
Candidate Starts for Henoccus_69:
(Start: 1 @48686 has 10 MA's), (3, 48719), (5, 48755), (6, 48761), (10, 48857), (13, 48893), (16, 48917), (22, 48986), (24, 48998), (26, 49034), (29, 49043), (30, 49052), (31, 49067),

Gene: Intolerant_66 Start: 48496, Stop: 48900, Start Num: 1
Candidate Starts for Intolerant_66:
(Start: 1 @48496 has 10 MA's), (3, 48532), (10, 48670), (12, 48694), (17, 48724), (21, 48766), (22, 48793), (25, 48838), (27, 48865), (31, 48895),

Gene: JackieB_69 Start: 48406, Stop: 48792, Start Num: 1
Candidate Starts for JackieB_69:
(Start: 1 @48406 has 10 MA's), (3, 48439), (5, 48475), (6, 48481), (10, 48577), (13, 48613), (22, 48706), (24, 48718), (26, 48754), (29, 48763), (30, 48772), (31, 48787),

Gene: LazerLemon_69 Start: 49248, Stop: 49628, Start Num: 1
Candidate Starts for LazerLemon_69:
(Start: 1 @49248 has 10 MA's), (3, 49290), (4, 49317), (5, 49326), (8, 49401), (10, 49428), (11, 49431), (15, 49479), (17, 49482), (20, 49500), (23, 49554), (30, 49608), (31, 49623),

Gene: Marky_72 Start: 49032, Stop: 49409, Start Num: 2
Candidate Starts for Marky_72:
(Start: 2 @49032 has 1 MA's), (7, 49137), (9, 49185), (14, 49239), (15, 49248), (25, 49347), (26, 49371), (28, 49377), (31, 49404),

Gene: Microdon_67 Start: 48036, Stop: 48419, Start Num: 1
Candidate Starts for Microdon_67:
(Start: 1 @48036 has 10 MA's), (10, 48204), (13, 48240), (16, 48264), (18, 48285), (22, 48333), (24, 48345), (26, 48381), (29, 48390), (30, 48399), (31, 48414),

Gene: Stuff_68 Start: 48782, Stop: 49165, Start Num: 1
Candidate Starts for Stuff_68:
(Start: 1 @48782 has 10 MA's), (10, 48950), (13, 48986), (16, 49010), (22, 49079), (24, 49091), (26, 49127), (29, 49136), (30, 49145), (31, 49160),

Gene: UNTPL_70 Start: 48840, Stop: 49226, Start Num: 1
Candidate Starts for UNTPL_70:
(Start: 1 @48840 has 10 MA's), (3, 48873), (5, 48909), (6, 48915), (10, 49011), (13, 49047), (16, 49071), (22, 49140), (24, 49152), (26, 49188), (29, 49197), (30, 49206), (31, 49221),