Pham 280849

1: Srilaccoli3_66

2: Culver_77 + 13

3: Miskis_72
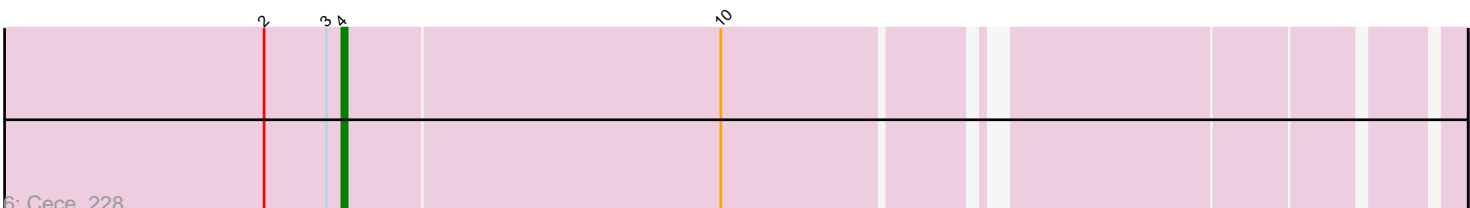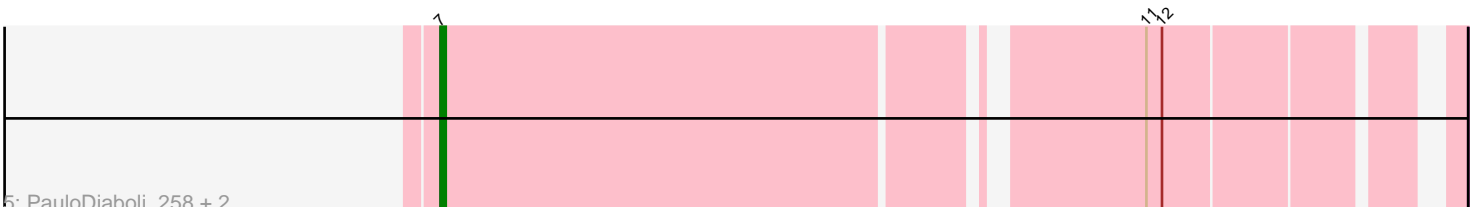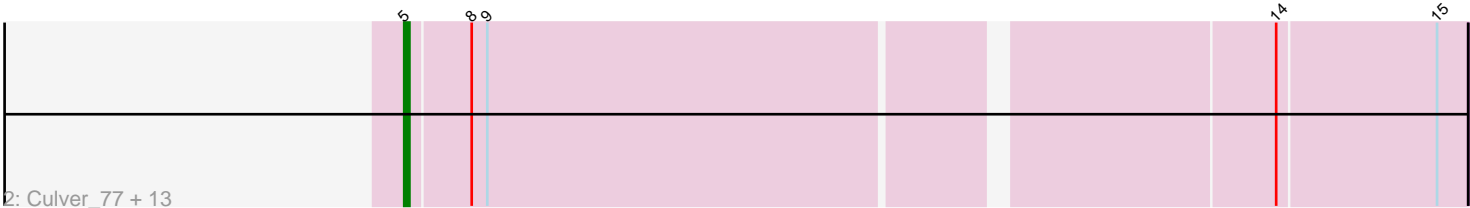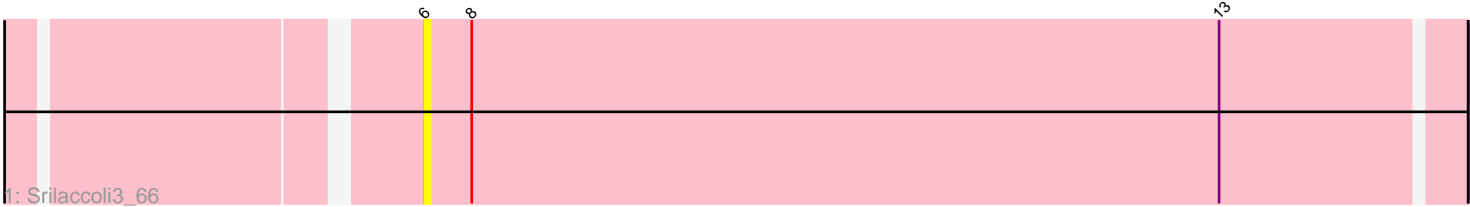
4: Dusty_73

5: PauloDiaboli_258 + 2

6: Cece_228

7: Reynauld_71

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 280849 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280849 has 22 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Srilaccoli3_66
• Track 2 : Culver_77, Norvs_76, Smoothie_77, WilliamBoone_75, PhinkBoden_75, Engineer_77, Lozinak_76, Toniann_76, Aphelion_75, Cucurbita_77, Abscondus_75, ClubL_75, Geeche_74, Bachita_77
• Track 3 : Miskis_72
• Track 4 : Dusty_73
• Track 5 : PauloDiaboli_258, A3Wally_258, Dodo_256
• Track 6 : Cece_228
• Track 7 : Reynauld_71

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

The start number called the most often in the published annotations is 5, it was called in 15 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_75, Aphelion_75, Bachita_77, ClubL_75, Cucurbita_77, Culver_77, Dusty_73, Engineer_77, Geeche_74, Lozinak_76, Miskis_72, Norvs_76, PhinkBoden_75, Smoothie_77, Toniann_76, WilliamBoone_75,

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

Genes that do not have the "Most Annotated" start:
• A3Wally_258, Cece_228, Dodo_256, PauloDiaboli_258, Reynauld_71, Srilaccoli3_66,

Summary by start number:

Start 4:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cece_228 (GD3),

Start 5:
• Found in 16 of 22 (72.7%) of genes in pham
• Manual Annotations of this start: 15 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_75 (CQ1), Aphelion_75 (CQ1), Bachita_77 (CQ1), ClubL_75 (CQ1), Cucurbita_77 (CQ1), Culver_77 (CQ1), Dusty_73 (CQ1), Engineer_77 (CQ1), Geeche_74 (CQ1), Lozinak_76 (CQ1), Miskis_72 (CQ1), Norvs_76 (CQ1), PhinkBoden_75 (CQ1), Smoothie_77 (CQ1), Toniann_76 (CQ1), WilliamBoone_75 (CQ1),

Start 6:
• Found in 2 of 22 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Reynauld_71 (singleton), Srilaccoli3_66 (CH),

Start 7:
• Found in 3 of 22 (13.6%) of genes in pham
• Manual Annotations of this start: 2 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_258 (GD1), Dodo_256 (GD1), PauloDiaboli_258 (GD1),

Summary by clusters:

There are 5 clusters represented in this pham: GD3, GD1, CQ1, CH, singleton,

Info for manual annotations of cluster CQ1:
•Start number 5 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster GD1:
•Start number 7 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD3:
•Start number 4 was manually annotated 1 time for cluster GD3.

Gene Information:

Gene: A3Wally_258 Start: 143338, Stop: 143514, Start Num: 7
Candidate Starts for A3Wally_258:
(Start: 7 @143338 has 2 MA's), (11, 143464), (12, 143467),

Gene: Abscondus_75 Start: 48875, Stop: 49069, Start Num: 5
Candidate Starts for Abscondus_75:
(Start: 5 @48875 has 15 MA's), (8, 48887), (9, 48890), (14, 49034), (15, 49064),

Gene: Aphelion_75 Start: 49497, Stop: 49691, Start Num: 5
Candidate Starts for Aphelion_75:

(Start: 5 @49497 has 15 MA's), (8, 49509), (9, 49512), (14, 49656), (15, 49686),

Gene: Bachita_77 Start: 49922, Stop: 50116, Start Num: 5
Candidate Starts for Bachita_77:
(Start: 5 @49922 has 15 MA's), (8, 49934), (9, 49937), (14, 50081), (15, 50111),

Gene: Cece_228 Start: 137749, Stop: 137946, Start Num: 4
Candidate Starts for Cece_228:
(2, 137734), (3, 137746), (Start: 4 @137749 has 1 MA's), (10, 137821),

Gene: ClubL_75 Start: 48610, Stop: 48804, Start Num: 5
Candidate Starts for ClubL_75:
(Start: 5 @48610 has 15 MA's), (8, 48622), (9, 48625), (14, 48769), (15, 48799),

Gene: Cucurbita_77 Start: 50429, Stop: 50623, Start Num: 5
Candidate Starts for Cucurbita_77:
(Start: 5 @50429 has 15 MA's), (8, 50441), (9, 50444), (14, 50588), (15, 50618),

Gene: Culver_77 Start: 48527, Stop: 48721, Start Num: 5
Candidate Starts for Culver_77:
(Start: 5 @48527 has 15 MA's), (8, 48539), (9, 48542), (14, 48686), (15, 48716),

Gene: Dodo_256 Start: 143025, Stop: 143201, Start Num: 7
Candidate Starts for Dodo_256:
(Start: 7 @143025 has 2 MA's), (11, 143151), (12, 143154),

Gene: Dusty_73 Start: 48122, Stop: 48316, Start Num: 5
Candidate Starts for Dusty_73:
(3, 48107), (Start: 5 @48122 has 15 MA's), (9, 48137), (14, 48281), (15, 48311),

Gene: Engineer_77 Start: 49895, Stop: 50089, Start Num: 5
Candidate Starts for Engineer_77:
(Start: 5 @49895 has 15 MA's), (8, 49907), (9, 49910), (14, 50054), (15, 50084),

Gene: Geeche_74 Start: 48959, Stop: 49153, Start Num: 5
Candidate Starts for Geeche_74:
(Start: 5 @48959 has 15 MA's), (8, 48971), (9, 48974), (14, 49118), (15, 49148),

Gene: Lozinak_76 Start: 49733, Stop: 49927, Start Num: 5
Candidate Starts for Lozinak_76:
(Start: 5 @49733 has 15 MA's), (8, 49745), (9, 49748), (14, 49892), (15, 49922),

Gene: Miskis_72 Start: 48279, Stop: 48473, Start Num: 5
Candidate Starts for Miskis_72:
(Start: 5 @48279 has 15 MA's), (9, 48294), (14, 48438), (15, 48468),

Gene: Norvs_76 Start: 49142, Stop: 49336, Start Num: 5
Candidate Starts for Norvs_76:
(Start: 5 @49142 has 15 MA's), (8, 49154), (9, 49157), (14, 49301), (15, 49331),

Gene: PauloDiaboli_258 Start: 140540, Stop: 140716, Start Num: 7
Candidate Starts for PauloDiaboli_258:
(Start: 7 @140540 has 2 MA's), (11, 140666), (12, 140669),

Gene: PhinkBoden_75 Start: 49523, Stop: 49717, Start Num: 5
Candidate Starts for PhinkBoden_75:
(Start: 5 @49523 has 15 MA's), (8, 49535), (9, 49538), (14, 49682), (15, 49712),

Gene: Reynauld_71 Start: 59587, Stop: 59387, Start Num: 6
Candidate Starts for Reynauld_71:
(1, 59638), (Start: 6 @59587 has 1 MA's), (13, 59434),

Gene: Smoothie_77 Start: 49733, Stop: 49927, Start Num: 5
Candidate Starts for Smoothie_77:
(Start: 5 @49733 has 15 MA's), (8, 49745), (9, 49748), (14, 49892), (15, 49922),

Gene: Srilaccoli3_66 Start: 58739, Stop: 58542, Start Num: 6
Candidate Starts for Srilaccoli3_66:
(Start: 6 @58739 has 1 MA's), (8, 58730), (13, 58586),

Gene: Toniann_76 Start: 49085, Stop: 49279, Start Num: 5
Candidate Starts for Toniann_76:
(Start: 5 @49085 has 15 MA's), (8, 49097), (9, 49100), (14, 49244), (15, 49274),

Gene: WilliamBoone_75 Start: 47833, Stop: 48027, Start Num: 5
Candidate Starts for WilliamBoone_75:
(Start: 5 @47833 has 15 MA's), (8, 47845), (9, 47848), (14, 47992), (15, 48022),