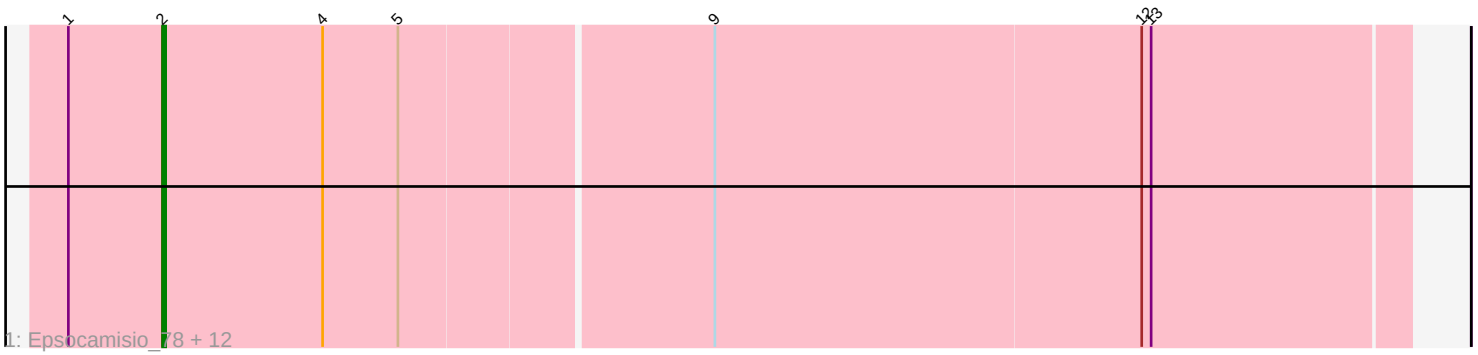
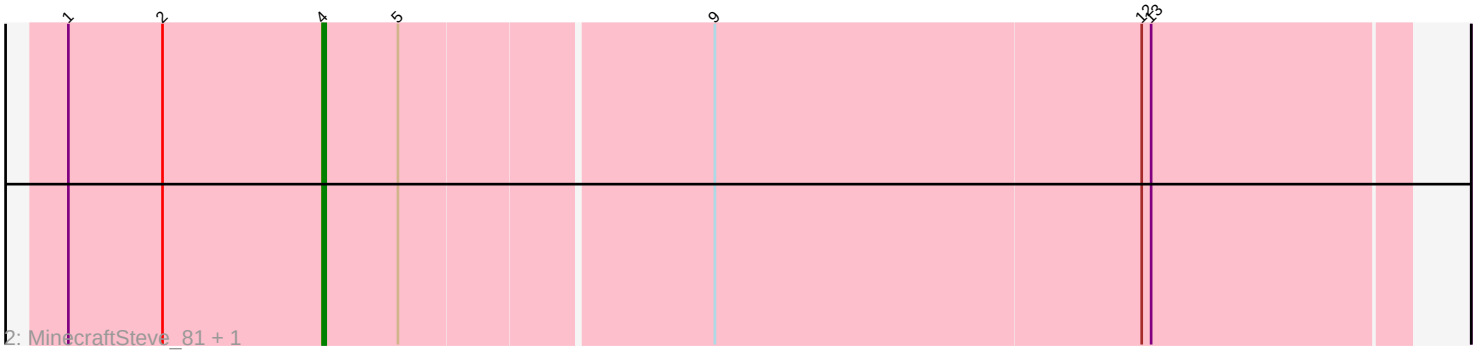
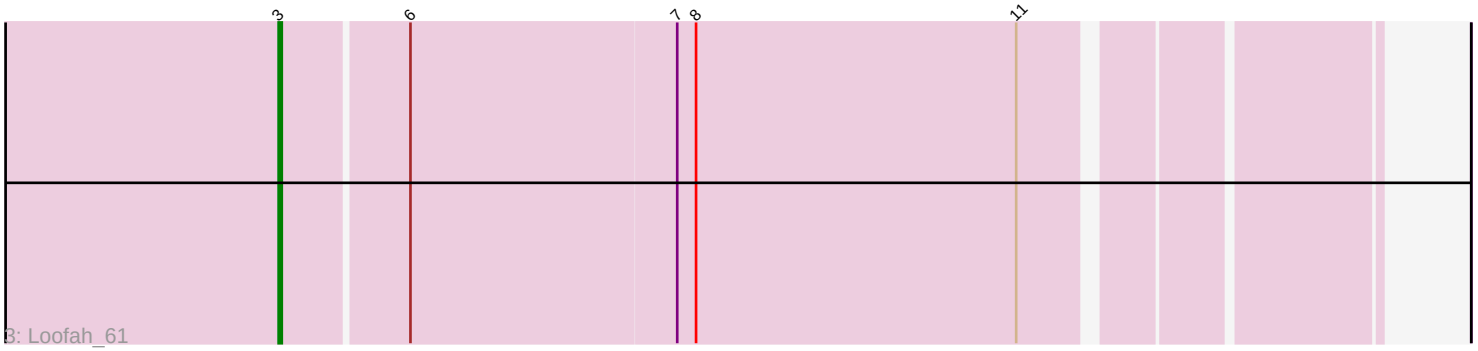
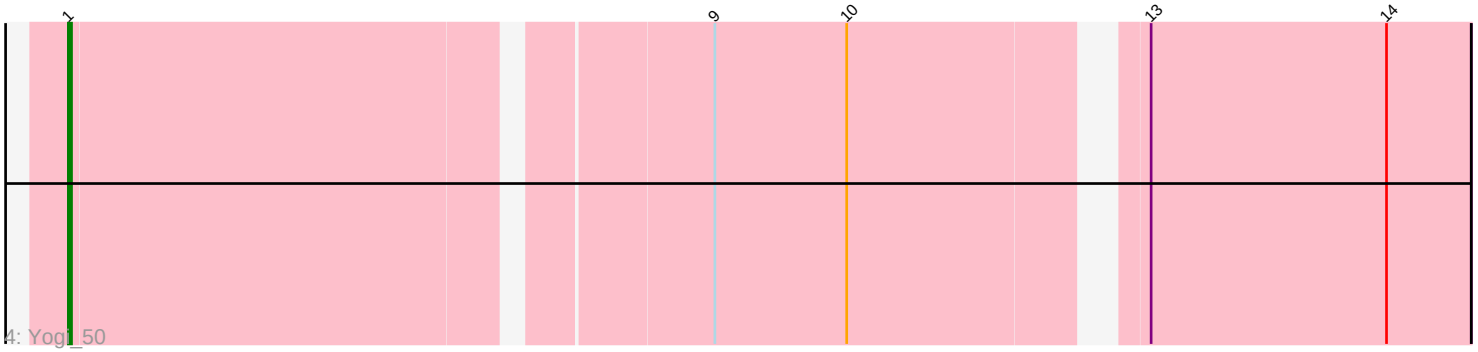
Pham 346227


1
2
4
5
9
12
13
1: Epsocamisio_78 + 12


1
2
4
5
9
12
13
2: MinecraftSteve_81 + 1


3
6
7
8
11
3: Loofah_61


1
9
10
13
14
4: Yogi_50

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 346227 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346227 has 17 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Epsocamisio_78, Boohoo_81, Switzerland_80, Looper_80, KatherineG_81, LastResort_79, Battleship_83, ShayRa_81, Anaysia_81, DekHockey33_82, Rosalind_79, ReMo_79, Nebulosus_78
• Track 2 : MinecraftSteve_81, JSwag_81
• Track 3 : Loofah_61
• Track 4 : Yogi_50

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

The start number called the most often in the published annotations is 2, it was called in 13 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anaysia_81, Battleship_83, Boohoo_81, DekHockey33_82, Epsocamisio_78, KatherineG_81, LastResort_79, Looper_80, Nebulosus_78, ReMo_79, Rosalind_79, ShayRa_81, Switzerland_80,

Genes that have the "Most Annotated" start but do not call it:
• JSwag_81, MinecraftSteve_81,

Genes that do not have the "Most Annotated" start:
• Loofah_61, Yogi_50,

Summary by start number:

Start 1:
• Found in 16 of 17 (94.1%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 6.2% of time when present
• Phage (with cluster) where this start called: Yogi_50 (CA),

Start 2:
• Found in 15 of 17 (88.2%) of genes in pham
• Manual Annotations of this start: 13 of 17

• Called 86.7% of time when present
• Phage (with cluster) where this start called: Anaysia_81 (A15), Battleship_83 (A15), Boohoo_81 (A15), DekHockey33_82 (A15), Epsocamisio_78 (A15), KatherineG_81 (A15), LastResort_79 (A15), Looper_80 (A15), Nebulosus_78 (A15), ReMo_79 (A15), Rosalind_79 (A15), ShayRa_81 (A15), Switzerland_80 (A15),

Start 3:
• Found in 1 of 17 (5.9%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Loofah_61 (BD2),

Start 4:
• Found in 15 of 17 (88.2%) of genes in pham
• Manual Annotations of this start: 2 of 17
• Called 13.3% of time when present
• Phage (with cluster) where this start called: JSwag_81 (A15), MinecraftSteve_81 (A15),

Summary by clusters:

There are 3 clusters represented in this pham: A15, CA, BD2,

Info for manual annotations of cluster A15:
•Start number 2 was manually annotated 13 times for cluster A15.
•Start number 4 was manually annotated 2 times for cluster A15.

Info for manual annotations of cluster BD2:
•Start number 3 was manually annotated 1 time for cluster BD2.

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

Gene Information:

Gene: Anaysia_81 Start: 44115, Stop: 43726, Start Num: 2
Candidate Starts for Anaysia_81:
(Start: 1 @44145 has 1 MA's), (Start: 2 @44115 has 13 MA's), (Start: 4 @44064 has 2 MA's), (5, 44040), (9, 43944), (12, 43809), (13, 43806),

Gene: Battleship_83 Start: 43988, Stop: 43599, Start Num: 2
Candidate Starts for Battleship_83:
(Start: 1 @44018 has 1 MA's), (Start: 2 @43988 has 13 MA's), (Start: 4 @43937 has 2 MA's), (5, 43913), (9, 43817), (12, 43682), (13, 43679),

Gene: Boohoo_81 Start: 44115, Stop: 43726, Start Num: 2
Candidate Starts for Boohoo_81:
(Start: 1 @44145 has 1 MA's), (Start: 2 @44115 has 13 MA's), (Start: 4 @44064 has 2 MA's), (5, 44040), (9, 43944), (12, 43809), (13, 43806),

Gene: DekHockey33_82 Start: 44073, Stop: 43684, Start Num: 2

Candidate Starts for DekHockey33_82:
(Start: 1 @44103 has 1 MA's), (Start: 2 @44073 has 13 MA's), (Start: 4 @44022 has 2 MA's), (5, 43998), (9, 43902), (12, 43767), (13, 43764),

Gene: Epsocamisio_78 Start: 43363, Stop: 42974, Start Num: 2
Candidate Starts for Epsocamisio_78:
(Start: 1 @43393 has 1 MA's), (Start: 2 @43363 has 13 MA's), (Start: 4 @43312 has 2 MA's), (5, 43288), (9, 43192), (12, 43057), (13, 43054),

Gene: JSwag_81 Start: 43597, Stop: 43259, Start Num: 4
Candidate Starts for JSwag_81:
(Start: 1 @43678 has 1 MA's), (Start: 2 @43648 has 13 MA's), (Start: 4 @43597 has 2 MA's), (5, 43573), (9, 43477), (12, 43342), (13, 43339),

Gene: KatherineG_81 Start: 43960, Stop: 43571, Start Num: 2
Candidate Starts for KatherineG_81:
(Start: 1 @43990 has 1 MA's), (Start: 2 @43960 has 13 MA's), (Start: 4 @43909 has 2 MA's), (5, 43885), (9, 43789), (12, 43654), (13, 43651),

Gene: LastResort_79 Start: 43891, Stop: 43502, Start Num: 2
Candidate Starts for LastResort_79:
(Start: 1 @43921 has 1 MA's), (Start: 2 @43891 has 13 MA's), (Start: 4 @43840 has 2 MA's), (5, 43816), (9, 43720), (12, 43585), (13, 43582),

Gene: Loofah_61 Start: 41684, Stop: 41352, Start Num: 3
Candidate Starts for Loofah_61:
(Start: 3 @41684 has 1 MA's), (6, 41645), (7, 41561), (8, 41555), (11, 41453),

Gene: Looper_80 Start: 43803, Stop: 43414, Start Num: 2
Candidate Starts for Looper_80:
(Start: 1 @43833 has 1 MA's), (Start: 2 @43803 has 13 MA's), (Start: 4 @43752 has 2 MA's), (5, 43728), (9, 43632), (12, 43497), (13, 43494),

Gene: MinecraftSteve_81 Start: 43733, Stop: 43395, Start Num: 4
Candidate Starts for MinecraftSteve_81:
(Start: 1 @43814 has 1 MA's), (Start: 2 @43784 has 13 MA's), (Start: 4 @43733 has 2 MA's), (5, 43709), (9, 43613), (12, 43478), (13, 43475),

Gene: Nebulosus_78 Start: 43448, Stop: 43059, Start Num: 2
Candidate Starts for Nebulosus_78:
(Start: 1 @43478 has 1 MA's), (Start: 2 @43448 has 13 MA's), (Start: 4 @43397 has 2 MA's), (5, 43373), (9, 43277), (12, 43142), (13, 43139),

Gene: ReMo_79 Start: 43888, Stop: 43499, Start Num: 2
Candidate Starts for ReMo_79:
(Start: 1 @43918 has 1 MA's), (Start: 2 @43888 has 13 MA's), (Start: 4 @43837 has 2 MA's), (5, 43813), (9, 43717), (12, 43582), (13, 43579),

Gene: Rosalind_79 Start: 43712, Stop: 43323, Start Num: 2
Candidate Starts for Rosalind_79:
(Start: 1 @43742 has 1 MA's), (Start: 2 @43712 has 13 MA's), (Start: 4 @43661 has 2 MA's), (5, 43637), (9, 43541), (12, 43406), (13, 43403),

Gene: ShayRa_81 Start: 43741, Stop: 43352, Start Num: 2
Candidate Starts for ShayRa_81:
(Start: 1 @43771 has 1 MA's), (Start: 2 @43741 has 13 MA's), (Start: 4 @43690 has 2 MA's), (5, 43666), (9, 43570), (12, 43435), (13, 43432),

Gene: Switzerland_80 Start: 43880, Stop: 43491, Start Num: 2
Candidate Starts for Switzerland_80:
(Start: 1 @43910 has 1 MA's), (Start: 2 @43880 has 13 MA's), (Start: 4 @43829 has 2 MA's), (5, 43805), (9, 43709), (12, 43574), (13, 43571),

Gene: Yogi_50 Start: 36746, Stop: 36330, Start Num: 1
Candidate Starts for Yogi_50:
(Start: 1 @36746 has 1 MA's), (9, 36554), (10, 36512), (13, 36431), (14, 36356),