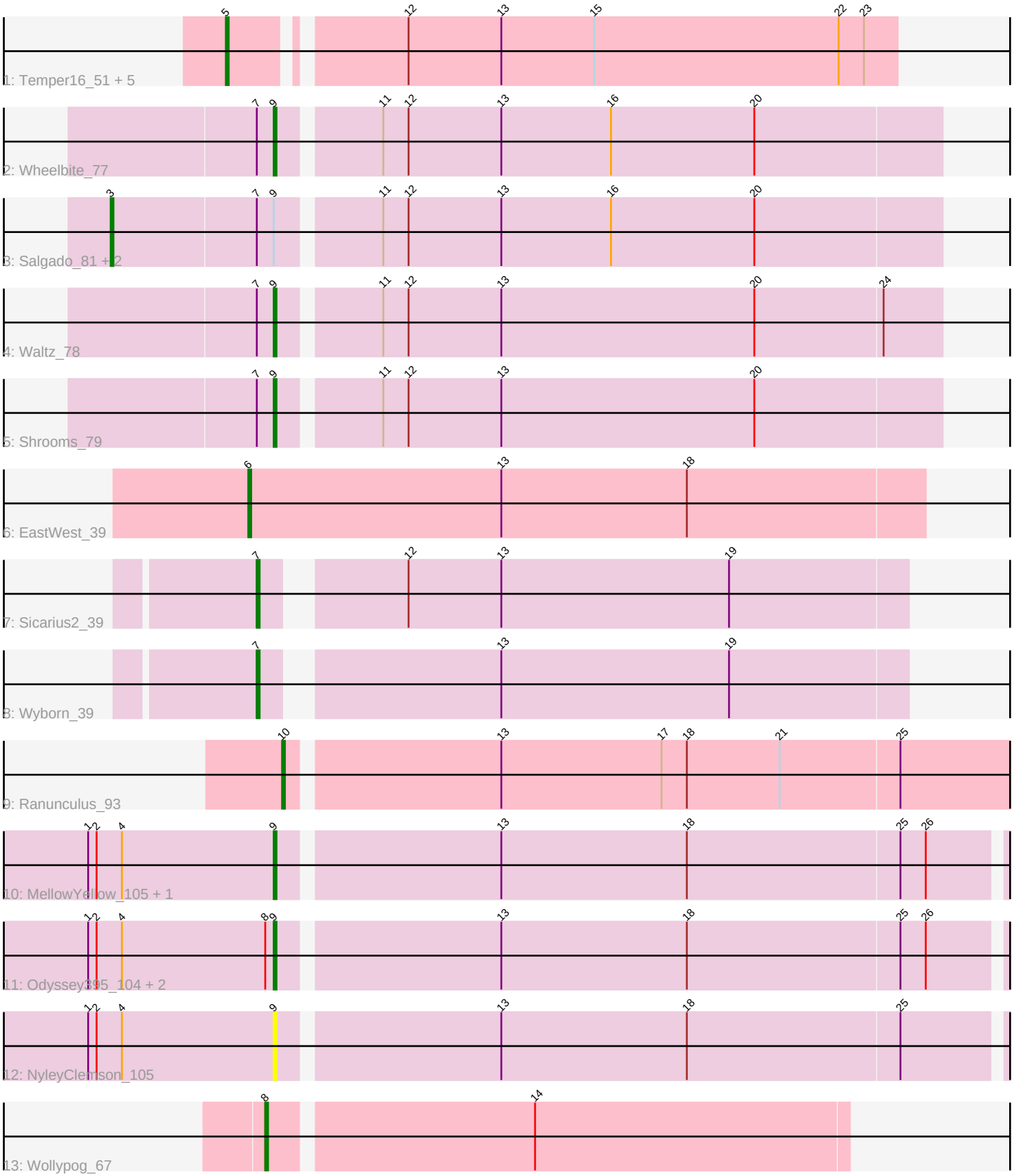
Pham 196801


1: Temper16_51 + 5
2: Wheelbite_77
3: Salgado_81 + 2
4: Waltz_78
5: Shrooms_79
6: EastWest_39
7: Sicarius2_39
8: Wyborn_39
9: Ranunculus_93
10: MellowYellow_105 + 1
11: Odyssey395_104 + 2
12: NyleyClemson_105
13: Wollypog_67

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 196801 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196801 has 23 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Temper16_51, Sergei_51, Maria1952_50, Daiboju_51, KingBob_51, Herb_51
• Track 2 : Wheelbite_77
• Track 3 : Salgado_81, LiSara_78, Laroye_81
• Track 4 : Waltz_78
• Track 5 : Shrooms_79
• Track 6 : EastWest_39
• Track 7 : Sicarius2_39
• Track 8 : Wyborn_39
• Track 9 : Ranunculus_93
• Track 10 : MellowYellow_105, Pureglobe5_104
• Track 11 : Odyssey395_104, Pointis_101, Beagle_106
• Track 12 : NyleyClemson_105
• Track 13 : Wollypog_67

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

The start number called the most often in the published annotations is 9, it was called in 8 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beagle_106, MellowYellow_105, NyleyClemson_105, Odyssey395_104, Pointis_101, Pureglobe5_104, Shrooms_79, Waltz_78, Wheelbite_77,

Genes that have the "Most Annotated" start but do not call it:
• Laroye_81, LiSara_78, Salgado_81,

Genes that do not have the "Most Annotated" start:
• Daiboju_51, EastWest_39, Herb_51, KingBob_51, Maria1952_50, Ranunculus_93, Sergei_51, Sicarius2_39, Temper16_51, Wollypog_67, Wyborn_39,

Summary by start number:

Start 3:

• Found in 3 of 23 (13.0%) of genes in pham
• Manual Annotations of this start: 3 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Laroye_81 (AL), LiSara_78 (AL), Salgado_81 (AL),

Start 5:
• Found in 6 of 23 (26.1%) of genes in pham
• Manual Annotations of this start: 6 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daiboju_51 (AK), Herb_51 (AK), KingBob_51 (AK), Maria1952_50 (AK), Sergei_51 (AK), Temper16_51 (AK),

Start 6:
• Found in 1 of 23 (4.3%) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EastWest_39 (AO),

Start 7:
• Found in 8 of 23 (34.8%) of genes in pham
• Manual Annotations of this start: 2 of 22
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Sicarius2_39 (AO2), Wyborn_39 (AO2),

Start 8:
• Found in 4 of 23 (17.4%) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Wollypog_67 (singleton),

Start 9:
• Found in 12 of 23 (52.2%) of genes in pham
• Manual Annotations of this start: 8 of 22
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Beagle_106 (AP2), MellowYellow_105 (AP2), NyleyClemson_105 (AP2), Odyssey395_104 (AP2), Pointis_101 (AP2), Pureglobe5_104 (AP2), Shrooms_79 (AL), Waltz_78 (AL), Wheelbite_77 (AL),

Start 10:
• Found in 1 of 23 (4.3%) of genes in pham
• Manual Annotations of this start: 1 of 22
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ranunculus_93 (AP),

Summary by clusters:

There are 7 clusters represented in this pham: singleton, AP2, AK, AL, AO, AP, AO2,

Info for manual annotations of cluster AK:
•Start number 5 was manually annotated 6 times for cluster AK.

Info for manual annotations of cluster AL:

•Start number 3 was manually annotated 3 times for cluster AL.
•Start number 9 was manually annotated 3 times for cluster AL.

Info for manual annotations of cluster AO:
•Start number 6 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO2:
•Start number 7 was manually annotated 2 times for cluster AO2.

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

Info for manual annotations of cluster AP2:
•Start number 9 was manually annotated 5 times for cluster AP2.

Gene Information:

Gene: Beagle_106 Start: 62400, Stop: 62143, Start Num: 9
Candidate Starts for Beagle_106:
(1, 62466), (2, 62463), (4, 62454), (Start: 8 @62403 has 1 MA's), (Start: 9 @62400 has 8 MA's), (13, 62325), (18, 62259), (25, 62184), (26, 62175),

Gene: Daiboju_51 Start: 39557, Stop: 39330, Start Num: 5
Candidate Starts for Daiboju_51:
(Start: 5 @39557 has 6 MA's), (12, 39503), (13, 39470), (15, 39437), (22, 39350), (23, 39341),

Gene: EastWest_39 Start: 30889, Stop: 31128, Start Num: 6
Candidate Starts for EastWest_39:
(Start: 6 @30889 has 1 MA's), (13, 30979), (18, 31045),

Gene: Herb_51 Start: 39556, Stop: 39329, Start Num: 5
Candidate Starts for Herb_51:
(Start: 5 @39556 has 6 MA's), (12, 39502), (13, 39469), (15, 39436), (22, 39349), (23, 39340),

Gene: KingBob_51 Start: 39557, Stop: 39330, Start Num: 5
Candidate Starts for KingBob_51:
(Start: 5 @39557 has 6 MA's), (12, 39503), (13, 39470), (15, 39437), (22, 39350), (23, 39341),

Gene: Laroye_81 Start: 47896, Stop: 48183, Start Num: 3
Candidate Starts for Laroye_81:
(Start: 3 @47896 has 3 MA's), (Start: 7 @47947 has 2 MA's), (Start: 9 @47953 has 8 MA's), (11, 47986), (12, 47995), (13, 48028), (16, 48067), (20, 48118),

Gene: LiSara_78 Start: 48030, Stop: 48317, Start Num: 3
Candidate Starts for LiSara_78:
(Start: 3 @48030 has 3 MA's), (Start: 7 @48081 has 2 MA's), (Start: 9 @48087 has 8 MA's), (11, 48120), (12, 48129), (13, 48162), (16, 48201), (20, 48252),

Gene: Maria1952_50 Start: 39556, Stop: 39329, Start Num: 5
Candidate Starts for Maria1952_50:
(Start: 5 @39556 has 6 MA's), (12, 39502), (13, 39469), (15, 39436), (22, 39349), (23, 39340),

Gene: MellowYellow_105 Start: 62019, Stop: 61762, Start Num: 9
Candidate Starts for MellowYellow_105:
(1, 62085), (2, 62082), (4, 62073), (Start: 9 @62019 has 8 MA's), (13, 61944), (18, 61878), (25, 61803), (26, 61794),

Gene: NyleyClemson_105 Start: 61649, Stop: 61392, Start Num: 9
Candidate Starts for NyleyClemson_105:
(1, 61715), (2, 61712), (4, 61703), (Start: 9 @61649 has 8 MA's), (13, 61574), (18, 61508), (25, 61433),

Gene: Odyssey395_104 Start: 61792, Stop: 61535, Start Num: 9
Candidate Starts for Odyssey395_104:
(1, 61858), (2, 61855), (4, 61846), (Start: 8 @61795 has 1 MA's), (Start: 9 @61792 has 8 MA's), (13, 61717), (18, 61651), (25, 61576), (26, 61567),

Gene: Pointis_101 Start: 61691, Stop: 61434, Start Num: 9
Candidate Starts for Pointis_101:
(1, 61757), (2, 61754), (4, 61745), (Start: 8 @61694 has 1 MA's), (Start: 9 @61691 has 8 MA's), (13, 61616), (18, 61550), (25, 61475), (26, 61466),

Gene: Pureglobe5_104 Start: 62350, Stop: 62093, Start Num: 9
Candidate Starts for Pureglobe5_104:
(1, 62416), (2, 62413), (4, 62404), (Start: 9 @62350 has 8 MA's), (13, 62275), (18, 62209), (25, 62134), (26, 62125),

Gene: Ranunculus_93 Start: 62669, Stop: 62394, Start Num: 10
Candidate Starts for Ranunculus_93:
(Start: 10 @62669 has 1 MA's), (13, 62597), (17, 62540), (18, 62531), (21, 62498), (25, 62456),

Gene: Salgado_81 Start: 47700, Stop: 47987, Start Num: 3
Candidate Starts for Salgado_81:
(Start: 3 @47700 has 3 MA's), (Start: 7 @47751 has 2 MA's), (Start: 9 @47757 has 8 MA's), (11, 47790), (12, 47799), (13, 47832), (16, 47871), (20, 47922),

Gene: Sergei_51 Start: 39557, Stop: 39330, Start Num: 5
Candidate Starts for Sergei_51:
(Start: 5 @39557 has 6 MA's), (12, 39503), (13, 39470), (15, 39437), (22, 39350), (23, 39341),

Gene: Shrooms_79 Start: 46206, Stop: 46436, Start Num: 9
Candidate Starts for Shrooms_79:
(Start: 7 @46200 has 2 MA's), (Start: 9 @46206 has 8 MA's), (11, 46239), (12, 46248), (13, 46281), (20, 46371),

Gene: Sicarius2_39 Start: 31113, Stop: 31331, Start Num: 7
Candidate Starts for Sicarius2_39:
(Start: 7 @31113 has 2 MA's), (12, 31155), (13, 31188), (19, 31269),

Gene: Temper16_51 Start: 39557, Stop: 39330, Start Num: 5
Candidate Starts for Temper16_51:
(Start: 5 @39557 has 6 MA's), (12, 39503), (13, 39470), (15, 39437), (22, 39350), (23, 39341),

Gene: Waltz_78 Start: 46221, Stop: 46451, Start Num: 9

Candidate Starts for Waltz_78:
(Start: 7 @46215 has 2 MA's), (Start: 9 @46221 has 8 MA's), (11, 46254), (12, 46263), (13, 46296), (20, 46386), (24, 46431),

Gene: Wheelbite_77 Start: 47915, Stop: 48145, Start Num: 9
Candidate Starts for Wheelbite_77:
(Start: 7 @47909 has 2 MA's), (Start: 9 @47915 has 8 MA's), (11, 47948), (12, 47957), (13, 47990), (16, 48029), (20, 48080),

Gene: Wollypog_67 Start: 49672, Stop: 49872, Start Num: 8
Candidate Starts for Wollypog_67:
(Start: 8 @49672 has 1 MA's), (14, 49762),

Gene: Wyborn_39 Start: 31745, Stop: 31963, Start Num: 7
Candidate Starts for Wyborn_39:
(Start: 7 @31745 has 2 MA's), (13, 31820), (19, 31901),