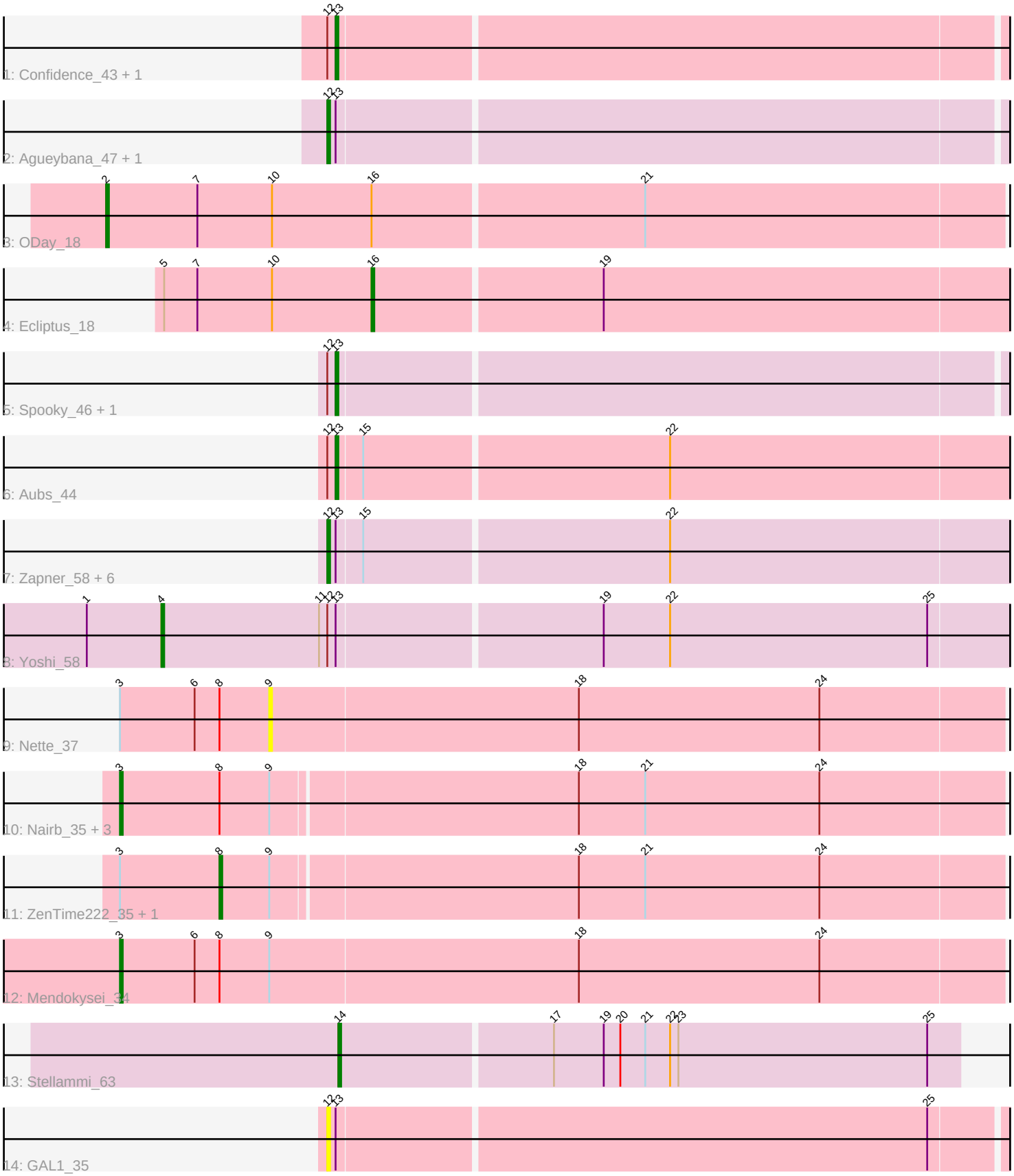
Pham 346055


1: Confidence_43 + 1
2: Agueybana_47 + 1
3: ODay_18
4: Ecliptus_18
5: Spooky_46 + 1
6: Aubs_44
7: Zapner_58 + 6
8: Yoshi_58
9: Nette_37
10: Nairb_35 + 3
11: ZenTime222_35 + 1
12: Mendokysei_34
13: Stellammi_63
14: GAL1_35

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 346055 Report

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

Pham number 346055 has 27 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Confidence_43, SushiChef_42
• Track 2 : Agueybana_47, BENtherdunthat_55
• Track 3 : ODay_18
• Track 4 : Ecliptus_18
• Track 5 : Spooky_46, Malisha_53
• Track 6 : Aubs_44
• Track 7 : Zapner_58, Avani_54, Jabbawokkie_60, Spartacus_46, WillSterrel_46, Frankie_50, IrishSherpFalk_46
• Track 8 : Yoshi_58
• Track 9 : Nette_37
• Track 10 : Nairb_35, Bernal13_36, Whitty_36, Ibrahim_36
• Track 11 : ZenTime222_35, RonRayGun_36
• Track 12 : Mendokysei_34
• Track 13 : Stellammi_63
• Track 14 : GAL1_35

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

The start number called the most often in the published annotations is 12, it was called in 9 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agueybana_47, Avani_54, BENtherdunthat_55, Frankie_50, GAL1_35, IrishSherpFalk_46, Jabbawokkie_60, Spartacus_46, WillSterrel_46, Zapner_58,

Genes that have the "Most Annotated" start but do not call it:
• Aubs_44, Confidence_43, Malisha_53, Spooky_46, SushiChef_42, Yoshi_58,

Genes that do not have the "Most Annotated" start:
• Bernal13_36, Ecliptus_18, Ibrahim_36, Mendokysei_34, Nairb_35, Nette_37, ODay_18, RonRayGun_36, Stellammi_63, Whitty_36, ZenTime222_35,

Summary by start number:

Start 2:
• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ODay_18 (DN),

Start 3:
• Found in 8 of 27 (29.6%) of genes in pham
• Manual Annotations of this start: 5 of 24
• Called 62.5% of time when present
• Phage (with cluster) where this start called: Bernal13_36 (T), Ibrahim_36 (T), Mendokysei_34 (T), Nairb_35 (T), Whitty_36 (T),

Start 4:
• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yoshi_58 (F2),

Start 8:
• Found in 8 of 27 (29.6%) of genes in pham
• Manual Annotations of this start: 2 of 24
• Called 25.0% of time when present
• Phage (with cluster) where this start called: RonRayGun_36 (T), ZenTime222_35 (T),

Start 9:
• Found in 8 of 27 (29.6%) of genes in pham
• No Manual Annotations of this start.
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Nette_37 (T),

Start 12:
• Found in 16 of 27 (59.3%) of genes in pham
• Manual Annotations of this start: 9 of 24
• Called 62.5% of time when present
• Phage (with cluster) where this start called: Agueybana_47 (CZ1), Avani_54 (F2), BENtherdunthat_55 (DN1), Frankie_50 (F1), GAL1_35 (singleton), IrishSherpFalk_46 (F1), Jabbawokkie_60 (F2), Spartacus_46 (F1), WillSterrel_46 (F1), Zapner_58 (F2),

Start 13:
• Found in 16 of 27 (59.3%) of genes in pham
• Manual Annotations of this start: 4 of 24
• Called 31.2% of time when present
• Phage (with cluster) where this start called: Aubs_44 (F1), Confidence_43 (CY1), Malisha_53 (DN), Spooky_46 (DN2), SushiChef_42 (CZ),

Start 14:
• Found in 1 of 27 (3.7%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stellammi_63 (UNK),

Start 16:
• Found in 2 of 27 (7.4%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ecliptus_18 (DN),

Summary by clusters:

There are 11 clusters represented in this pham: DN, F1, CY1, CZ1, singleton, CZ, DN1, T, DN2, F2, UNK,

Info for manual annotations of cluster CY1:
•Start number 13 was manually annotated 1 time for cluster CY1.

Info for manual annotations of cluster CZ1:
•Start number 12 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster DN:
•Start number 2 was manually annotated 1 time for cluster DN.
•Start number 13 was manually annotated 1 time for cluster DN.
•Start number 16 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 12 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 13 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster F1:
•Start number 12 was manually annotated 4 times for cluster F1.
•Start number 13 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:
•Start number 4 was manually annotated 1 time for cluster F2.
•Start number 12 was manually annotated 3 times for cluster F2.

Info for manual annotations of cluster T:
•Start number 3 was manually annotated 5 times for cluster T.
•Start number 8 was manually annotated 2 times for cluster T.

Info for manual annotations of cluster UNK:
•Start number 14 was manually annotated 1 time for cluster UNK.

Gene Information:

Gene: Agueybana_47 Start: 36583, Stop: 36822, Start Num: 12
Candidate Starts for Agueybana_47:
(Start: 12 @36583 has 9 MA's), (Start: 13 @36586 has 4 MA's),

Gene: Aubs_44 Start: 34582, Stop: 34824, Start Num: 13

Candidate Starts for Aubs_44:
(Start: 12 @34579 has 9 MA's), (Start: 13 @34582 has 4 MA's), (15, 34591), (22, 34699),

Gene: Avani_54 Start: 34894, Stop: 35139, Start Num: 12
Candidate Starts for Avani_54:
(Start: 12 @34894 has 9 MA's), (Start: 13 @34897 has 4 MA's), (15, 34906), (22, 35014),

Gene: BENtherdunthat_55 Start: 35269, Stop: 35508, Start Num: 12
Candidate Starts for BENtherdunthat_55:
(Start: 12 @35269 has 9 MA's), (Start: 13 @35272 has 4 MA's),

Gene: Bernal13_36 Start: 30000, Stop: 30314, Start Num: 3
Candidate Starts for Bernal13_36:
(Start: 3 @30000 has 5 MA's), (Start: 8 @30036 has 2 MA's), (9, 30054), (18, 30162), (21, 30186), (24, 30249),

Gene: Confidence_43 Start: 32753, Stop: 32989, Start Num: 13
Candidate Starts for Confidence_43:
(Start: 12 @32750 has 9 MA's), (Start: 13 @32753 has 4 MA's),

Gene: Ecliptus_18 Start: 10039, Stop: 10266, Start Num: 16
Candidate Starts for Ecliptus_18:
(5, 9964), (7, 9976), (10, 10003), (Start: 16 @10039 has 1 MA's), (19, 10120),

Gene: Frankie_50 Start: 36170, Stop: 36415, Start Num: 12
Candidate Starts for Frankie_50:
(Start: 12 @36170 has 9 MA's), (Start: 13 @36173 has 4 MA's), (15, 36182), (22, 36290),

Gene: GAL1_35 Start: 31502, Stop: 31741, Start Num: 12
Candidate Starts for GAL1_35:
(Start: 12 @31502 has 9 MA's), (Start: 13 @31505 has 4 MA's), (25, 31715),

Gene: Ibrahim_36 Start: 30446, Stop: 30760, Start Num: 3
Candidate Starts for Ibrahim_36:
(Start: 3 @30446 has 5 MA's), (Start: 8 @30482 has 2 MA's), (9, 30500), (18, 30608), (21, 30632), (24, 30695),

Gene: IrishSherpFalk_46 Start: 35742, Stop: 35987, Start Num: 12
Candidate Starts for IrishSherpFalk_46:
(Start: 12 @35742 has 9 MA's), (Start: 13 @35745 has 4 MA's), (15, 35754), (22, 35862),

Gene: Jabbawokkie_60 Start: 35920, Stop: 36165, Start Num: 12
Candidate Starts for Jabbawokkie_60:
(Start: 12 @35920 has 9 MA's), (Start: 13 @35923 has 4 MA's), (15, 35932), (22, 36040),

Gene: Malisha_53 Start: 36500, Stop: 36736, Start Num: 13
Candidate Starts for Malisha_53:
(Start: 12 @36497 has 9 MA's), (Start: 13 @36500 has 4 MA's),

Gene: Mendokysei_34 Start: 29535, Stop: 29852, Start Num: 3
Candidate Starts for Mendokysei_34:
(Start: 3 @29535 has 5 MA's), (6, 29562), (Start: 8 @29571 has 2 MA's), (9, 29589), (18, 29700), (24, 29787),

Gene: Nairb_35 Start: 30000, Stop: 30314, Start Num: 3
Candidate Starts for Nairb_35:
(Start: 3 @30000 has 5 MA's), (Start: 8 @30036 has 2 MA's), (9, 30054), (18, 30162), (21, 30186), (24, 30249),

Gene: Nette_37 Start: 29598, Stop: 29861, Start Num: 9
Candidate Starts for Nette_37:
(Start: 3 @29544 has 5 MA's), (6, 29571), (Start: 8 @29580 has 2 MA's), (9, 29598), (18, 29709), (24, 29796),

Gene: ODay_18 Start: 9948, Stop: 10268, Start Num: 2
Candidate Starts for ODay_18:
(Start: 2 @9948 has 1 MA's), (7, 9981), (10, 10008), (Start: 16 @10044 has 1 MA's), (21, 10140),

Gene: RonRayGun_36 Start: 30482, Stop: 30760, Start Num: 8
Candidate Starts for RonRayGun_36:
(Start: 3 @30446 has 5 MA's), (Start: 8 @30482 has 2 MA's), (9, 30500), (18, 30608), (21, 30632), (24, 30695),

Gene: Spartacus_46 Start: 34659, Stop: 34904, Start Num: 12
Candidate Starts for Spartacus_46:
(Start: 12 @34659 has 9 MA's), (Start: 13 @34662 has 4 MA's), (15, 34671), (22, 34779),

Gene: Spooky_46 Start: 34120, Stop: 34356, Start Num: 13
Candidate Starts for Spooky_46:
(Start: 12 @34117 has 9 MA's), (Start: 13 @34120 has 4 MA's),

Gene: Stellammi_63 Start: 38752, Stop: 38973, Start Num: 14
Candidate Starts for Stellammi_63:
(Start: 14 @38752 has 1 MA's), (17, 38827), (19, 38845), (20, 38851), (21, 38860), (22, 38869), (23, 38872), (25, 38962),

Gene: SushiChef_42 Start: 35274, Stop: 35510, Start Num: 13
Candidate Starts for SushiChef_42:
(Start: 12 @35271 has 9 MA's), (Start: 13 @35274 has 4 MA's),

Gene: Whitty_36 Start: 30000, Stop: 30314, Start Num: 3
Candidate Starts for Whitty_36:
(Start: 3 @30000 has 5 MA's), (Start: 8 @30036 has 2 MA's), (9, 30054), (18, 30162), (21, 30186), (24, 30249),

Gene: WillSterrel_46 Start: 35775, Stop: 36020, Start Num: 12
Candidate Starts for WillSterrel_46:
(Start: 12 @35775 has 9 MA's), (Start: 13 @35778 has 4 MA's), (15, 35787), (22, 35895),

Gene: Yoshi_58 Start: 36087, Stop: 36389, Start Num: 4
Candidate Starts for Yoshi_58:
(1, 36060), (Start: 4 @36087 has 1 MA's), (11, 36144), (Start: 12 @36147 has 9 MA's), (Start: 13 @36150 has 4 MA's), (19, 36243), (22, 36267), (25, 36360),

Gene: Zapner_58 Start: 35921, Stop: 36166, Start Num: 12
Candidate Starts for Zapner_58:

(Start: 12 @35921 has 9 MA's), (Start: 13 @35924 has 4 MA's), (15, 35933), (22, 36041),

Gene: ZenTime222_35 Start: 30036, Stop: 30314, Start Num: 8
Candidate Starts for ZenTime222_35:
(Start: 3 @30000 has 5 MA's), (Start: 8 @30036 has 2 MA's), (9, 30054), (18, 30162), (21, 30186), (24, 30249),