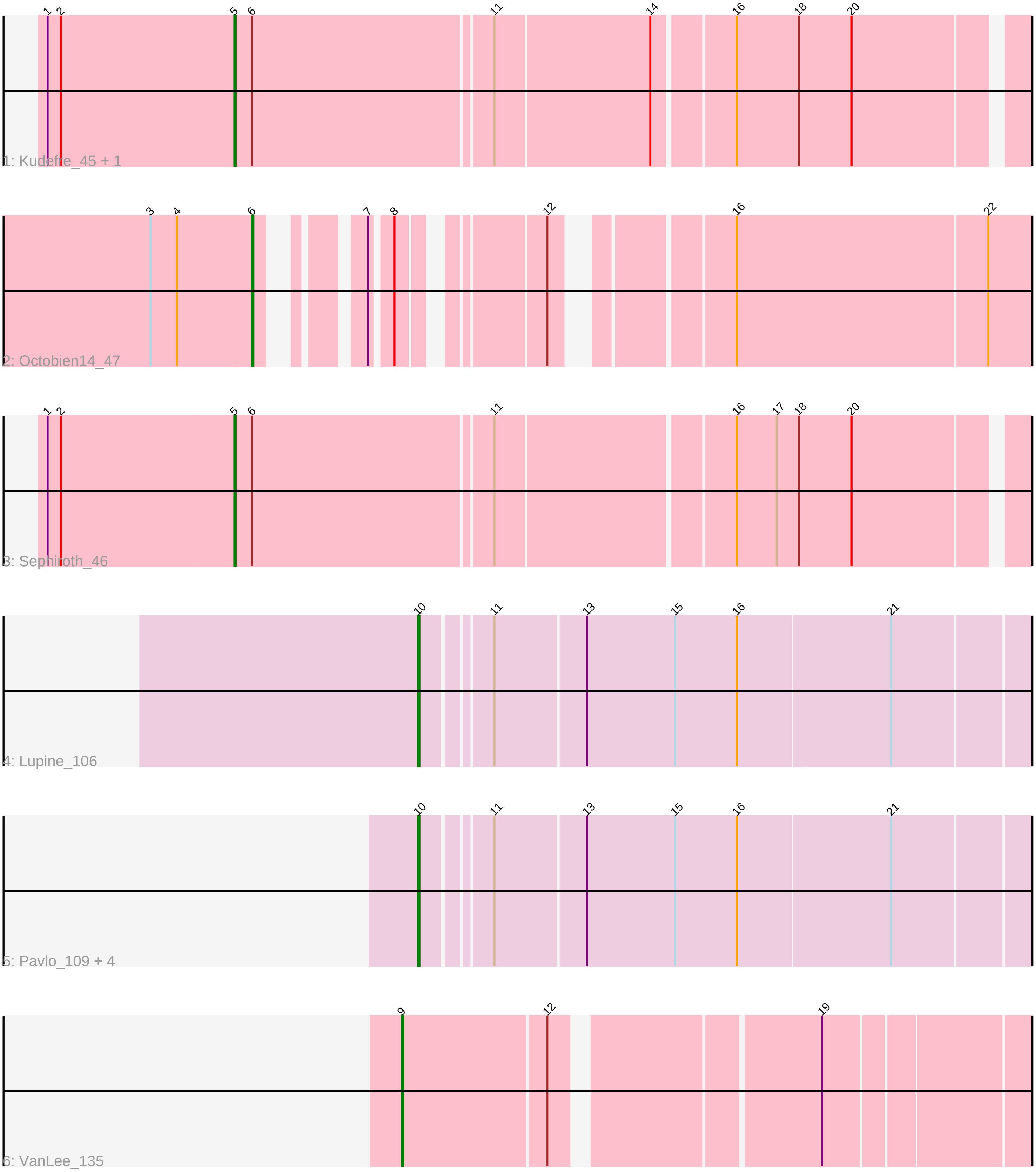
Pham 197017


1: Kudefre_45 + 1
2: Octobien14_47
3: Sephiroth_46
4: Lupine_106
5: Pavlo_109 + 4
6: VanLee_135

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 197017 Report

This analysis was run 01/10/25 on database version 582.

Pham number 197017 has 11 members, 0 are drafts.

Phages represented in each track:
- Track 1 : Kudefre_45, Syleon_46
- Track 2 : Octobien14_47
- Track 3 : Sephiroth_46
- Track 4 : Lupine_106
- Track 5 : Pavlo_109, PhillyPhilly_106, Hubbs_108, Roman_110, DejaVu_109
- Track 6 : VanLee_135

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

The start number called the most often in the published annotations is 10, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- DejaVu_109, Hubbs_108, Lupine_106, Pavlo_109, PhillyPhilly_106, Roman_110,

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

Genes that do not have the "Most Annotated" start:
- Kudefre_45, Octobien14_47, Sephiroth_46, Syleon_46, VanLee_135,

Summary by start number:

Start 5:
- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 3 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kudefre_45 (DU1), Sephiroth_46 (DU1), Syleon_46 (DU1),

Start 6:
- Found in 4 of 11 (36.4%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 25.0% of time when present

- Phage (with cluster) where this start called: Octobien14_47 (DU1),

Start 9:
- 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: VanLee_135 (singleton),

Start 10:
- Found in 6 of 11 (54.5%) of genes in pham
- Manual Annotations of this start: 6 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DejaVu_109 (ED1), Hubbs_108 (ED1), Lupine_106 (ED1), Pavlo_109 (ED1), PhillyPhilly_106 (ED1), Roman_110 (ED1),

Summary by clusters:

There are 3 clusters represented in this pham: DU1, singleton, ED1,

Info for manual annotations of cluster DU1:
- Start number 5 was manually annotated 3 times for cluster DU1.
- Start number 6 was manually annotated 1 time for cluster DU1.

Info for manual annotations of cluster ED1:
- Start number 10 was manually annotated 6 times for cluster ED1.

Gene Information:

Gene: DejaVu_109 Start: 57612, Stop: 57202, Start Num: 10
Candidate Starts for DejaVu_109:
(Start: 10 @57612 has 6 MA's), (11, 57570), (13, 57510), (15, 57450), (16, 57408), (21, 57306),

Gene: Hubbs_108 Start: 57876, Stop: 57466, Start Num: 10
Candidate Starts for Hubbs_108:
(Start: 10 @57876 has 6 MA's), (11, 57834), (13, 57774), (15, 57714), (16, 57672), (21, 57570),

Gene: Kudefre_45 Start: 34124, Stop: 34657, Start Num: 5
Candidate Starts for Kudefre_45:
(1, 33998), (2, 34007), (Start: 5 @34124 has 3 MA's), (Start: 6 @34136 has 1 MA's), (11, 34295), (14, 34397), (16, 34448), (18, 34490), (20, 34526),

Gene: Lupine_106 Start: 57058, Stop: 56648, Start Num: 10
Candidate Starts for Lupine_106:
(Start: 10 @57058 has 6 MA's), (11, 57016), (13, 56956), (15, 56896), (16, 56854), (21, 56752),

Gene: Octobien14_47 Start: 34822, Stop: 35292, Start Num: 6
Candidate Starts for Octobien14_47:
(3, 34765), (4, 34783), (Start: 6 @34822 has 1 MA's), (7, 34867), (8, 34879), (12, 34957), (16, 35053), (22, 35221),

Gene: Pavlo_109 Start: 58271, Stop: 57861, Start Num: 10

Candidate Starts for Pavlo_109:
(Start: 10 @58271 has 6 MA's), (11, 58229), (13, 58169), (15, 58109), (16, 58067), (21, 57965),

Gene: PhillyPhilly_106 Start: 57260, Stop: 56850, Start Num: 10
Candidate Starts for PhillyPhilly_106:
(Start: 10 @57260 has 6 MA's), (11, 57218), (13, 57158), (15, 57098), (16, 57056), (21, 56954),

Gene: Roman_110 Start: 58320, Stop: 57910, Start Num: 10
Candidate Starts for Roman_110:
(Start: 10 @58320 has 6 MA's), (11, 58278), (13, 58218), (15, 58158), (16, 58116), (21, 58014),

Gene: Sephiroth_46 Start: 34293, Stop: 34826, Start Num: 5
Candidate Starts for Sephiroth_46:
(1, 34167), (2, 34176), (Start: 5 @34293 has 3 MA's), (Start: 6 @34305 has 1 MA's), (11, 34464), (16, 34617), (17, 34644), (18, 34659), (20, 34695),

Gene: Syleon_46 Start: 34218, Stop: 34751, Start Num: 5
Candidate Starts for Syleon_46:
(1, 34092), (2, 34101), (Start: 5 @34218 has 3 MA's), (Start: 6 @34230 has 1 MA's), (11, 34389), (14, 34491), (16, 34542), (18, 34584), (20, 34620),

Gene: VanLee_135 Start: 73104, Stop: 72706, Start Num: 9
Candidate Starts for VanLee_135:
(Start: 9 @73104 has 1 MA's), (12, 73008), (19, 72846),