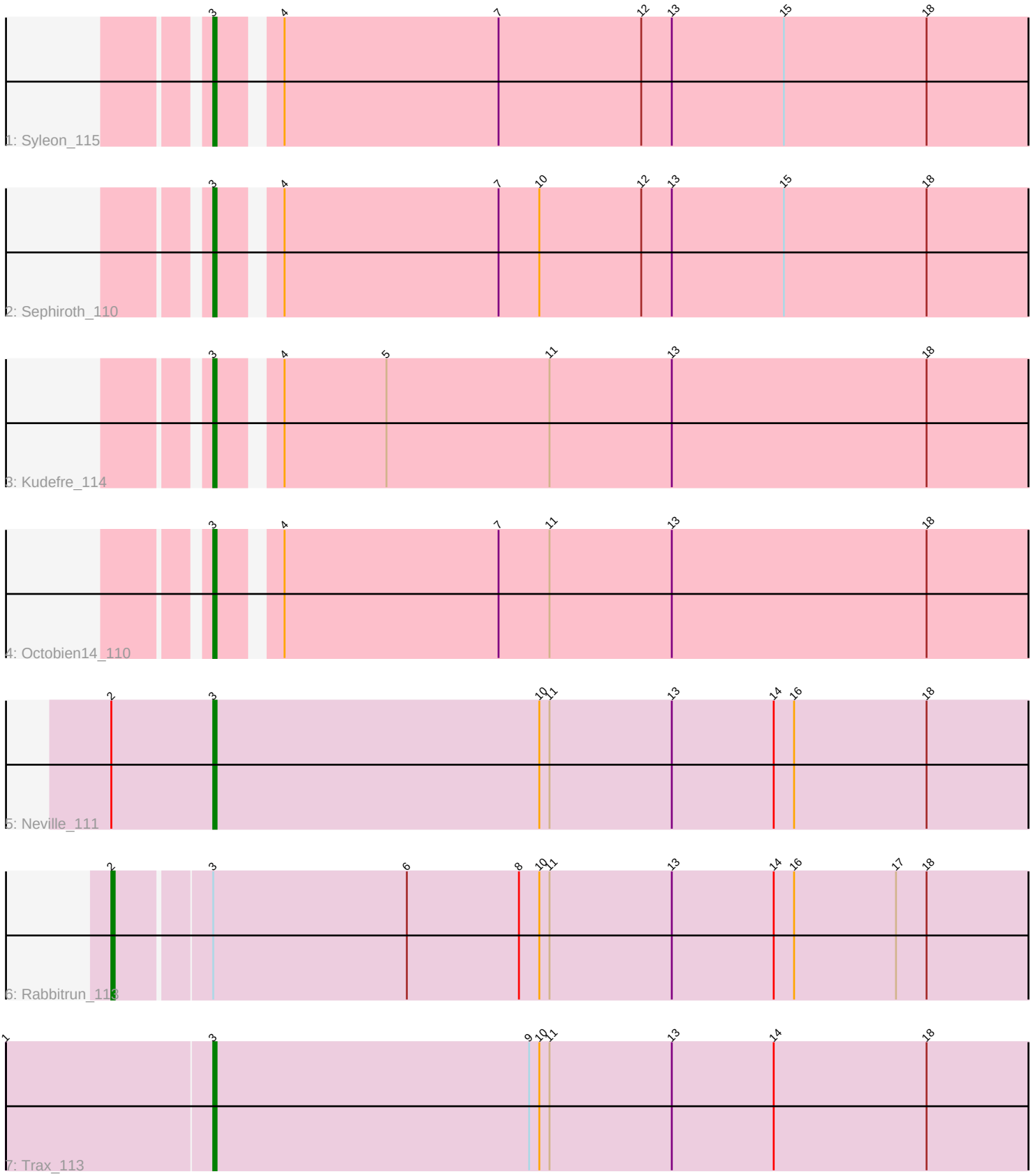
Pham 197179


3
4
7
12
13
15
18
1: Syleon_115
3
4
7
10
12
13
15
18
2: Sephiroth_110
3
4
5
11
13
18
3: Kudefre_114
3
4
7
11
13
18
4: Octobien14_110
2
3
10
11
13
14
16
18
5: Neville_111
2
3
6
8
10
11
13
14
16
17
18
6: Rabbitrun_113
1
3
9
10
11
13
14
18
7: Trax_113

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 197179 Report

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

Pham number 197179 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Syleon_115
• Track 2 : Sephiroth_110
• Track 3 : Kudefre_114
• Track 4 : Octobien14_110
• Track 5 : Neville_111
• Track 6 : Rabbitrun_113
• Track 7 : Trax_113

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Kudefre_114, Neville_111, Octobien14_110, Sephiroth_110, Syleon_115, Trax_113,

Genes that have the "Most Annotated" start but do not call it:
• Rabbitrun_113,

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

Summary by start number:

Start 2:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Rabbitrun_113 (DU2),

Start 3:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 85.7% of time when present

• Phage (with cluster) where this start called: Kudefre_114 (DU1), Neville_111 (DU2), Octobien14_110 (DU1), Sephiroth_110 (DU1), Syleon_115 (DU1), Trax_113 (DU2),

Summary by clusters:

There are 2 clusters represented in this pham: DU1, DU2,

Info for manual annotations of cluster DU1:
•Start number 3 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 2 was manually annotated 1 time for cluster DU2.
•Start number 3 was manually annotated 2 times for cluster DU2.

Gene Information:

Gene: Kudefre_114 Start: 63016, Stop: 63252, Start Num: 3
Candidate Starts for Kudefre_114:
(Start: 3 @63016 has 6 MA's), (4, 63031), (5, 63061), (11, 63109), (13, 63145), (18, 63220),

Gene: Neville_111 Start: 63902, Stop: 64144, Start Num: 3
Candidate Starts for Neville_111:
(Start: 2 @63872 has 1 MA's), (Start: 3 @63902 has 6 MA's), (10, 63998), (11, 64001), (13, 64037), (14, 64067), (16, 64073), (18, 64112),

Gene: Octobien14_110 Start: 61808, Stop: 62044, Start Num: 3
Candidate Starts for Octobien14_110:
(Start: 3 @61808 has 6 MA's), (4, 61823), (7, 61886), (11, 61901), (13, 61937), (18, 62012),

Gene: Rabbitrun_113 Start: 64952, Stop: 65221, Start Num: 2
Candidate Starts for Rabbitrun_113:
(Start: 2 @64952 has 1 MA's), (Start: 3 @64979 has 6 MA's), (6, 65036), (8, 65069), (10, 65075), (11, 65078), (13, 65114), (14, 65144), (16, 65150), (17, 65180), (18, 65189),

Gene: Sephiroth_110 Start: 62771, Stop: 63007, Start Num: 3
Candidate Starts for Sephiroth_110:
(Start: 3 @62771 has 6 MA's), (4, 62786), (7, 62849), (10, 62861), (12, 62891), (13, 62900), (15, 62933), (18, 62975),

Gene: Syleon_115 Start: 63553, Stop: 63789, Start Num: 3
Candidate Starts for Syleon_115:
(Start: 3 @63553 has 6 MA's), (4, 63568), (7, 63631), (12, 63673), (13, 63682), (15, 63715), (18, 63757),

Gene: Trax_113 Start: 64896, Stop: 65138, Start Num: 3
Candidate Starts for Trax_113:
(1, 64836), (Start: 3 @64896 has 6 MA's), (9, 64989), (10, 64992), (11, 64995), (13, 65031), (14, 65061), (18, 65106),