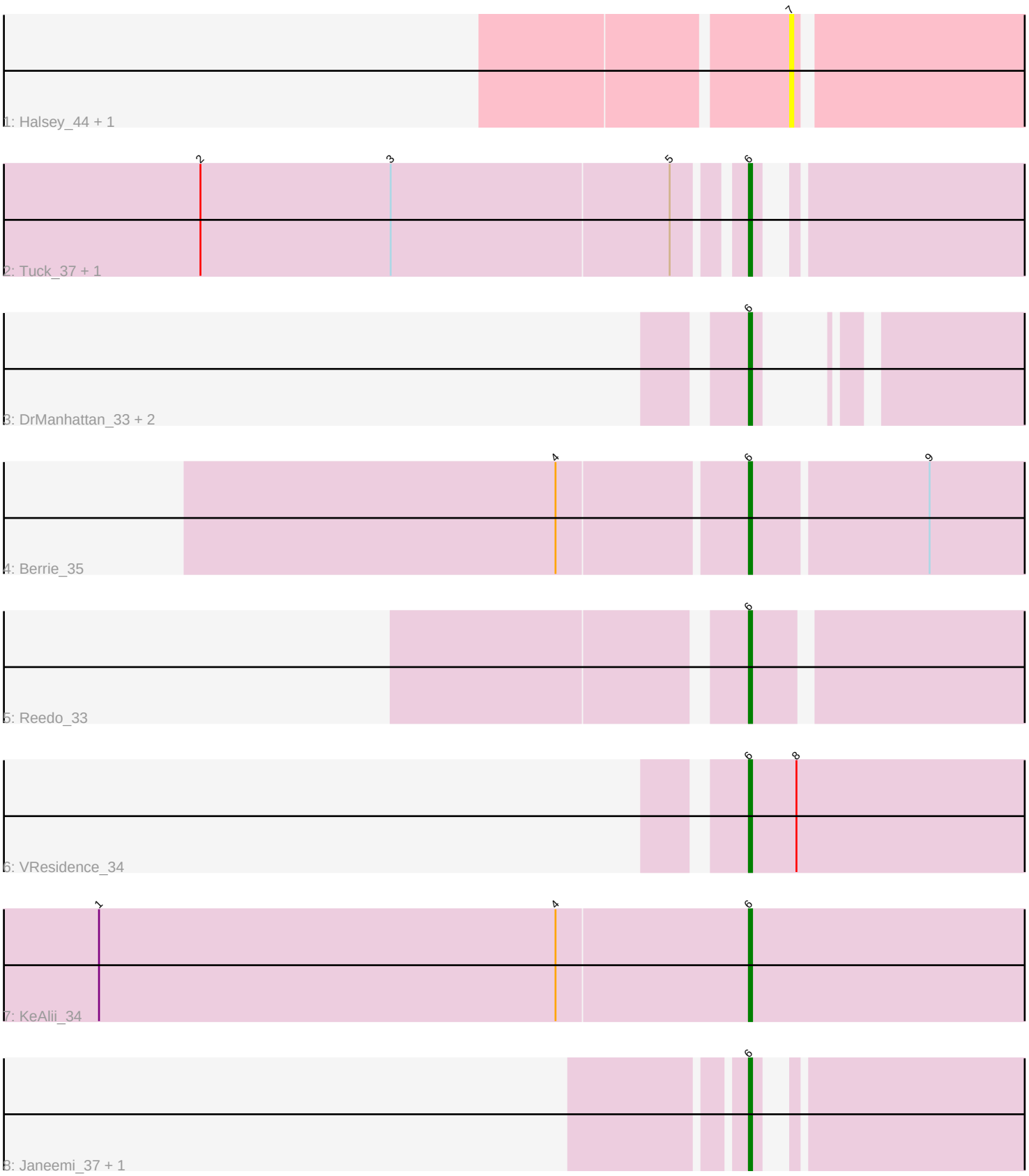
Pham 167114


7
1: Halsey_44 + 1
2
3
5
6
2: Tuck_37 + 1
6
3: DrManhattan_33 + 2
4
6
9
4: Berrie_35
6
5: Reedo_33
6
8
6: VResidence_34
1
4
6
7: KeAlii_34
6
8: Janeemi_37 + 1

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 167114 Report

This analysis was run 07/09/24 on database version 566.

Pham number 167114 has 13 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Halsey_44, Moss_41
• Track 2 : Tuck_37, Community_36
• Track 3 : DrManhattan_33, Adolin_33, MissSwiss_33
• Track 4 : Berrie_35
• Track 5 : Reedo_33
• Track 6 : VResidence_34
• Track 7 : KeAlii_34
• Track 8 : Janeemi_37, Phives_37

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

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

Genes that call this "Most Annotated" start:
• Adolin_33, Berrie_35, Community_36, DrManhattan_33, Janeemi_37, KeAlii_34, MissSwiss_33, Phives_37, Reedo_33, Tuck_37, VResidence_34,

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

Genes that do not have the "Most Annotated" start:
• Halsey_44, Moss_41,

Summary by start number:

Start 6:
• Found in 11 of 13 (84.6%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adolin_33 (AZ1), Berrie_35 (AZ1), Community_36 (AZ1), DrManhattan_33 (AZ1), Janeemi_37 (AZ1), KeAlii_34 (AZ1), MissSwiss_33 (AZ1), Phives_37 (AZ1), Reedo_33 (AZ1), Tuck_37 (AZ1), VResidence_34 (AZ1),

Start 7:
• Found in 2 of 13 (15.4%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Halsey_44 (AZ), Moss_41 (AZ),

Summary by clusters:

There are 2 clusters represented in this pham: AZ1, AZ,

Info for manual annotations of cluster AZ1:
•Start number 6 was manually annotated 10 times for cluster AZ1.

Gene Information:

Gene: Adolin_33 Start: 23342, Stop: 23542, Start Num: 6
Candidate Starts for Adolin_33:
(Start: 6 @23342 has 10 MA's),

Gene: Berrie_35 Start: 25939, Stop: 26160, Start Num: 6
Candidate Starts for Berrie_35:
(4, 25882), (Start: 6 @25939 has 10 MA's), (9, 25993),

Gene: Community_36 Start: 27065, Stop: 27277, Start Num: 6
Candidate Starts for Community_36:
(2, 26900), (3, 26960), (5, 27047), (Start: 6 @27065 has 10 MA's),

Gene: DrManhattan_33 Start: 23333, Stop: 23533, Start Num: 6
Candidate Starts for DrManhattan_33:
(Start: 6 @23333 has 10 MA's),

Gene: Halsey_44 Start: 24017, Stop: 24220, Start Num: 7
Candidate Starts for Halsey_44:
(7, 24017),

Gene: Janeemi_37 Start: 27276, Stop: 27488, Start Num: 6
Candidate Starts for Janeemi_37:
(Start: 6 @27276 has 10 MA's),

Gene: KeAlii_34 Start: 24987, Stop: 25208, Start Num: 6
Candidate Starts for KeAlii_34:
(1, 24783), (4, 24927), (Start: 6 @24987 has 10 MA's),

Gene: MissSwiss_33 Start: 23388, Stop: 23591, Start Num: 6
Candidate Starts for MissSwiss_33:
(Start: 6 @23388 has 10 MA's),

Gene: Moss_41 Start: 23958, Stop: 24161, Start Num: 7
Candidate Starts for Moss_41:

(7, 23958),

Gene: Phives_37 Start: 27093, Stop: 27305, Start Num: 6
Candidate Starts for Phives_37:
(Start: 6 @27093 has 10 MA's),

Gene: Reedo_33 Start: 23334, Stop: 23549, Start Num: 6
Candidate Starts for Reedo_33:
(Start: 6 @23334 has 10 MA's),

Gene: Tuck_37 Start: 27446, Stop: 27658, Start Num: 6
Candidate Starts for Tuck_37:
(2, 27281), (3, 27341), (5, 27428), (Start: 6 @27446 has 10 MA's),

Gene: VResidence_34 Start: 24928, Stop: 25152, Start Num: 6
Candidate Starts for VResidence_34:
(Start: 6 @24928 has 10 MA's), (8, 24943),