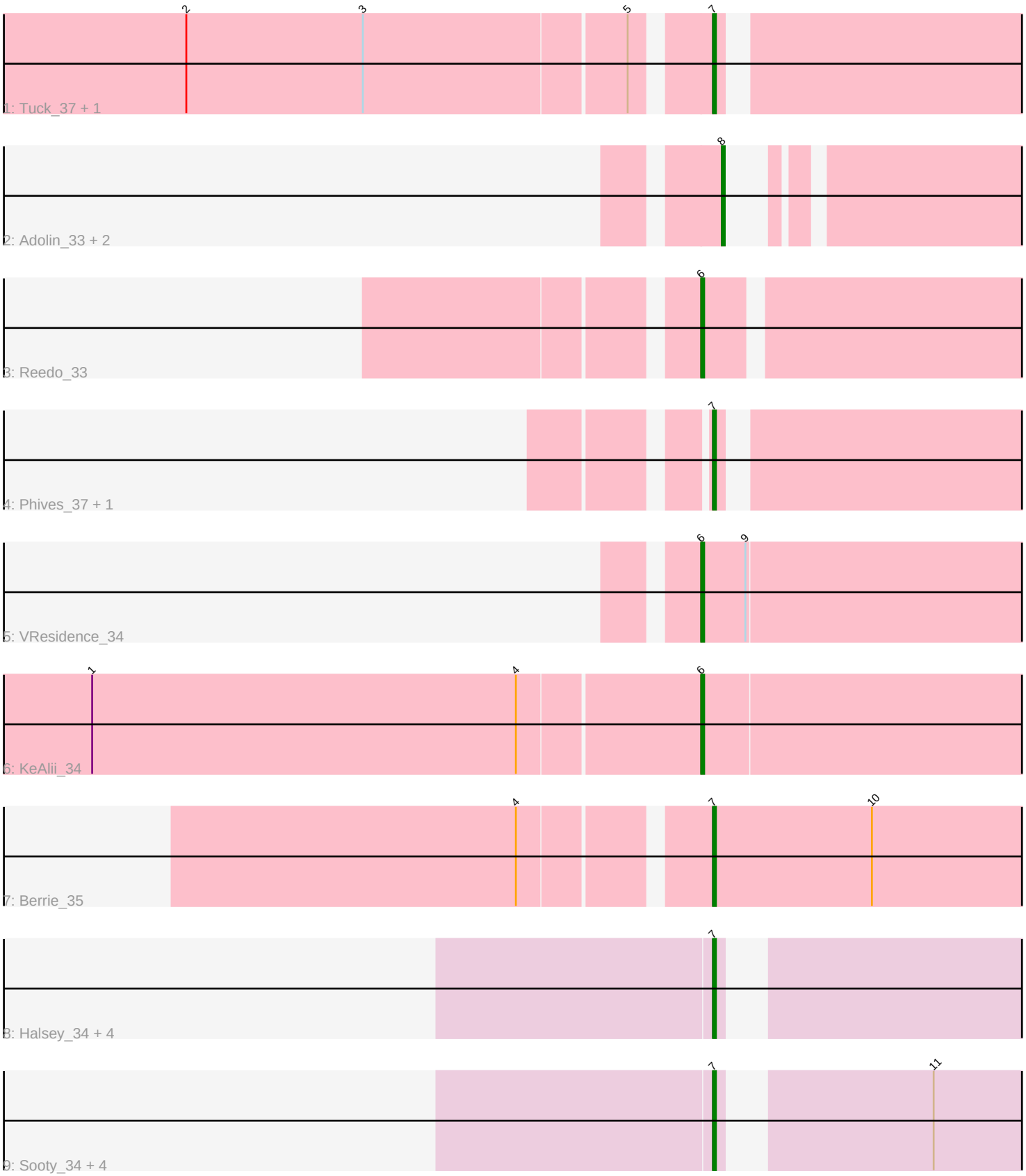
Pham 200575


2
3
5
7
1: Tuck_37 + 1
8
2: Adolin_33 + 2
6
3: Reedo_33
7
4: Phives_37 + 1
6
9
5: VResidence_34
1
4
6
6: KeAlii_34
4
7
10
7: Berrie_35
7
8: Halsey_34 + 4
7
11
9: Sooty_34 + 4

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 200575 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200575 has 21 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Tuck_37, Community_36
• Track 2 : Adolin_33, MissSwiss_33, DrManhattan_33
• Track 3 : Reedo_33
• Track 4 : Phives_37, Janeemi_37
• Track 5 : VResidence_34
• Track 6 : KeAlii_34
• Track 7 : Berrie_35
• Track 8 : Halsey_34, SpecialK_34, Mysterium_34, Moss_34, Ashes_34
• Track 9 : Sooty_34, Donkey_34, Cappuccino_34, Kalimba_34, Gambol_35

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

The start number called the most often in the published annotations is 7, it was called in 14 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ashes_34, Berrie_35, Cappuccino_34, Community_36, Donkey_34, Gambol_35, Halsey_34, Janeemi_37, Kalimba_34, Moss_34, Mysterium_34, Phives_37, Sooty_34, SpecialK_34, Tuck_37,

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

Genes that do not have the "Most Annotated" start:
• Adolin_33, DrManhattan_33, KeAlii_34, MissSwiss_33, Reedo_33, VResidence_34,

Summary by start number:

Start 6:
• Found in 3 of 21 (14.3%) of genes in pham
• Manual Annotations of this start: 3 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: KeAlii_34 (AZ1), Reedo_33 (AZ1), VResidence_34 (AZ1),

Start 7:
• Found in 15 of 21 (71.4%) of genes in pham
• Manual Annotations of this start: 14 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ashes_34 (AZ5), Berrie_35 (AZ1), Cappuccino_34 (AZ5), Community_36 (AZ1), Donkey_34 (AZ5), Gambol_35 (AZ5), Halsey_34 (AZ5), Janeemi_37 (AZ1), Kalimba_34 (AZ5), Moss_34 (AZ5), Mysterium_34 (AZ5), Phives_37 (AZ1), Sooty_34 (AZ5), SpecialK_34 (AZ5), Tuck_37 (AZ1),

Start 8:
• Found in 3 of 21 (14.3%) of genes in pham
• Manual Annotations of this start: 3 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adolin_33 (AZ1), DrManhattan_33 (AZ1), MissSwiss_33 (AZ1),

Summary by clusters:

There are 2 clusters represented in this pham: AZ1, AZ5,

Info for manual annotations of cluster AZ1:
•Start number 6 was manually annotated 3 times for cluster AZ1.
•Start number 7 was manually annotated 4 times for cluster AZ1.
•Start number 8 was manually annotated 3 times for cluster AZ1.

Info for manual annotations of cluster AZ5:
•Start number 7 was manually annotated 10 times for cluster AZ5.

Gene Information:

Gene: Adolin_33 Start: 23342, Stop: 23542, Start Num: 8
Candidate Starts for Adolin_33:
(Start: 8 @23342 has 3 MA's),

Gene: Ashes_34 Start: 24012, Stop: 24215, Start Num: 7
Candidate Starts for Ashes_34:
(Start: 7 @24012 has 14 MA's),

Gene: Berrie_35 Start: 25939, Stop: 26160, Start Num: 7
Candidate Starts for Berrie_35:
(4, 25882), (Start: 7 @25939 has 14 MA's), (10, 25993),

Gene: Cappuccino_34 Start: 23879, Stop: 24082, Start Num: 7
Candidate Starts for Cappuccino_34:
(Start: 7 @23879 has 14 MA's), (11, 23939),

Gene: Community_36 Start: 27065, Stop: 27277, Start Num: 7
Candidate Starts for Community_36:
(2, 26900), (3, 26960), (5, 27047), (Start: 7 @27065 has 14 MA's),

Gene: Donkey_34 Start: 23869, Stop: 24072, Start Num: 7
Candidate Starts for Donkey_34:
(Start: 7 @23869 has 14 MA's), (11, 23929),

Gene: DrManhattan_33 Start: 23333, Stop: 23533, Start Num: 8
Candidate Starts for DrManhattan_33:
(Start: 8 @23333 has 3 MA's),

Gene: Gambol_35 Start: 23888, Stop: 24091, Start Num: 7
Candidate Starts for Gambol_35:
(Start: 7 @23888 has 14 MA's), (11, 23948),

Gene: Halsey_34 Start: 24017, Stop: 24220, Start Num: 7
Candidate Starts for Halsey_34:
(Start: 7 @24017 has 14 MA's),

Gene: Janeemi_37 Start: 27276, Stop: 27488, Start Num: 7
Candidate Starts for Janeemi_37:
(Start: 7 @27276 has 14 MA's),

Gene: Kalimba_34 Start: 23866, Stop: 24069, Start Num: 7
Candidate Starts for Kalimba_34:
(Start: 7 @23866 has 14 MA's), (11, 23926),

Gene: KeAlii_34 Start: 24987, Stop: 25208, Start Num: 6
Candidate Starts for KeAlii_34:
(1, 24783), (4, 24927), (Start: 6 @24987 has 3 MA's),

Gene: MissSwiss_33 Start: 23388, Stop: 23591, Start Num: 8
Candidate Starts for MissSwiss_33:
(Start: 8 @23388 has 3 MA's),

Gene: Moss_34 Start: 23958, Stop: 24161, Start Num: 7
Candidate Starts for Moss_34:
(Start: 7 @23958 has 14 MA's),

Gene: Mysterium_34 Start: 23978, Stop: 24181, Start Num: 7
Candidate Starts for Mysterium_34:
(Start: 7 @23978 has 14 MA's),

Gene: Phives_37 Start: 27093, Stop: 27305, Start Num: 7
Candidate Starts for Phives_37:
(Start: 7 @27093 has 14 MA's),

Gene: Reedo_33 Start: 23334, Stop: 23549, Start Num: 6
Candidate Starts for Reedo_33:
(Start: 6 @23334 has 3 MA's),

Gene: Sooty_34 Start: 23881, Stop: 24084, Start Num: 7
Candidate Starts for Sooty_34:
(Start: 7 @23881 has 14 MA's), (11, 23941),

Gene: SpecialK_34 Start: 23866, Stop: 24069, Start Num: 7
Candidate Starts for SpecialK_34:
(Start: 7 @23866 has 14 MA's),

Gene: Tuck_37 Start: 27446, Stop: 27658, Start Num: 7
Candidate Starts for Tuck_37:
(2, 27281), (3, 27341), (5, 27428), (Start: 7 @27446 has 14 MA's),

Gene: VResidence_34 Start: 24928, Stop: 25152, Start Num: 6
Candidate Starts for VResidence_34:
(Start: 6 @24928 has 3 MA's), (9, 24943),