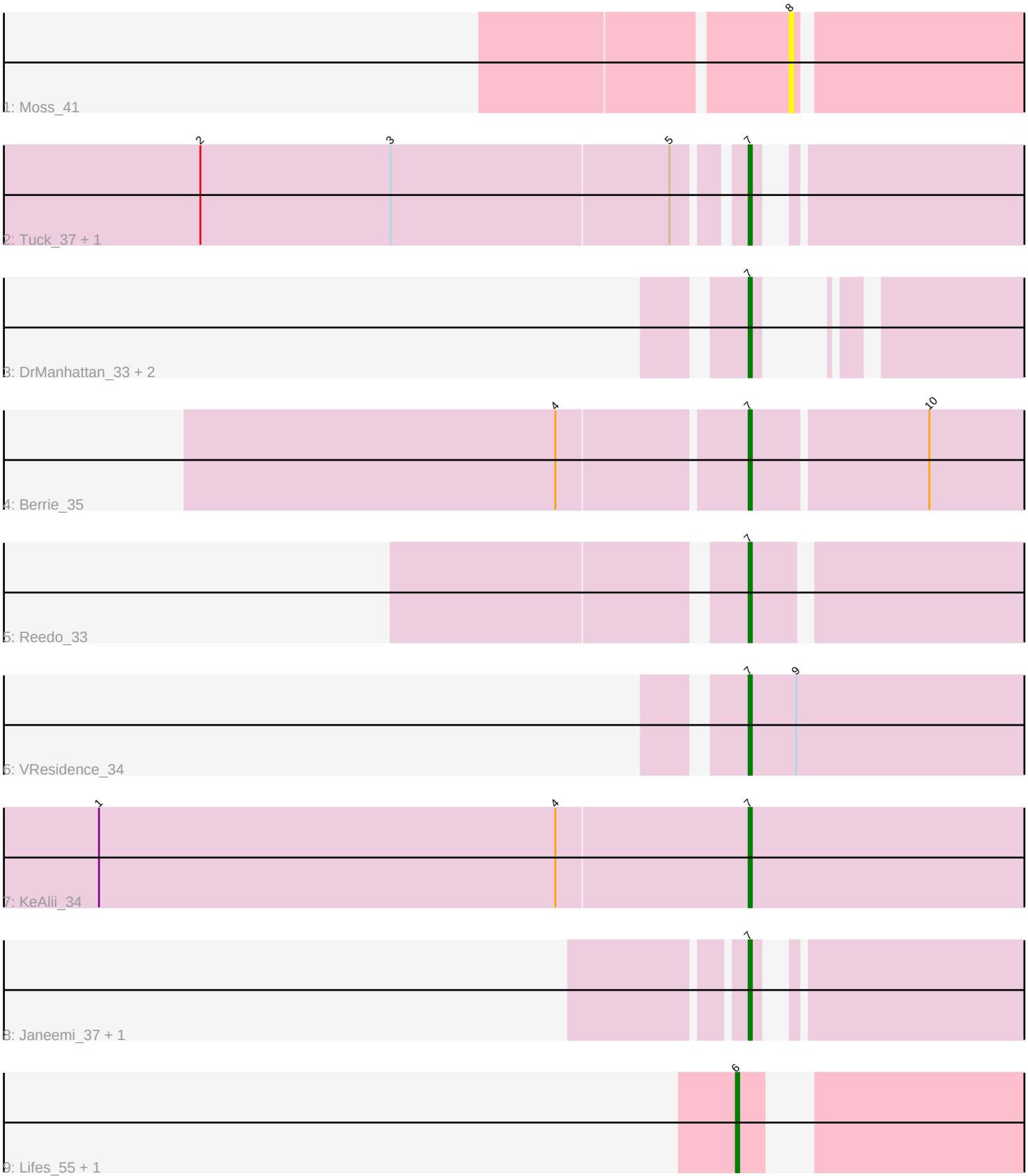
Pham 158268


8
1: Moss_41
2
3
5
7
2: Tuck_37 + 1
7
3: DrManhattan_33 + 2
4
7
10
4: Berrie_35
7
5: Reedo_33
7
9
6: VResidence_34
1
4
7
7: KeAlii_34
7
8: Janeemi_37 + 1
6
9: Lifes_55 + 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 158268 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158268 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : 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
• Track 9 : Lifes_55, LeeroyJenkins_62

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 9 of the 11 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:
• LeeroyJenkins_62, Lifes_55, Moss_41,

Summary by start number:

Start 6:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: LeeroyJenkins_62 (GB), Lifes_55 (GB),

Start 7:

• Found in 11 of 14 (78.6%) of genes in pham
• Manual Annotations of this start: 9 of 11
• 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 8:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Moss_41 (AZ),

Summary by clusters:

There are 3 clusters represented in this pham: AZ1, AZ, GB,

Info for manual annotations of cluster AZ1:
•Start number 7 was manually annotated 9 times for cluster AZ1.

Info for manual annotations of cluster GB:
•Start number 6 was manually annotated 2 times for cluster GB.

Gene Information:

Gene: Adolin_33 Start: 23342, Stop: 23542, Start Num: 7
Candidate Starts for Adolin_33:
(Start: 7 @23342 has 9 MA's),

Gene: Berrie_35 Start: 25939, Stop: 26160, Start Num: 7
Candidate Starts for Berrie_35:
(4, 25882), (Start: 7 @25939 has 9 MA's), (10, 25993),

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 9 MA's),

Gene: DrManhattan_33 Start: 23333, Stop: 23533, Start Num: 7
Candidate Starts for DrManhattan_33:
(Start: 7 @23333 has 9 MA's),

Gene: Janeemi_37 Start: 27276, Stop: 27488, Start Num: 7
Candidate Starts for Janeemi_37:
(Start: 7 @27276 has 9 MA's),

Gene: KeAlii_34 Start: 24987, Stop: 25208, Start Num: 7
Candidate Starts for KeAlii_34:
(1, 24783), (4, 24927), (Start: 7 @24987 has 9 MA's),

Gene: LeeroyJenkins_62 Start: 36291, Stop: 36064, Start Num: 6
Candidate Starts for LeeroyJenkins_62:
(Start: 6 @36291 has 2 MA's),

Gene: Lifes_55 Start: 32729, Stop: 32502, Start Num: 6
Candidate Starts for Lifes_55:
(Start: 6 @32729 has 2 MA's),

Gene: MissSwiss_33 Start: 23388, Stop: 23591, Start Num: 7
Candidate Starts for MissSwiss_33:
(Start: 7 @23388 has 9 MA's),

Gene: Moss_41 Start: 23958, Stop: 24161, Start Num: 8
Candidate Starts for Moss_41:
(8, 23958),

Gene: Phives_37 Start: 27093, Stop: 27305, Start Num: 7
Candidate Starts for Phives_37:
(Start: 7 @27093 has 9 MA's),

Gene: Reedo_33 Start: 23334, Stop: 23549, Start Num: 7
Candidate Starts for Reedo_33:
(Start: 7 @23334 has 9 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 9 MA's),

Gene: VResidence_34 Start: 24928, Stop: 25152, Start Num: 7
Candidate Starts for VResidence_34:
(Start: 7 @24928 has 9 MA's), (9, 24943),