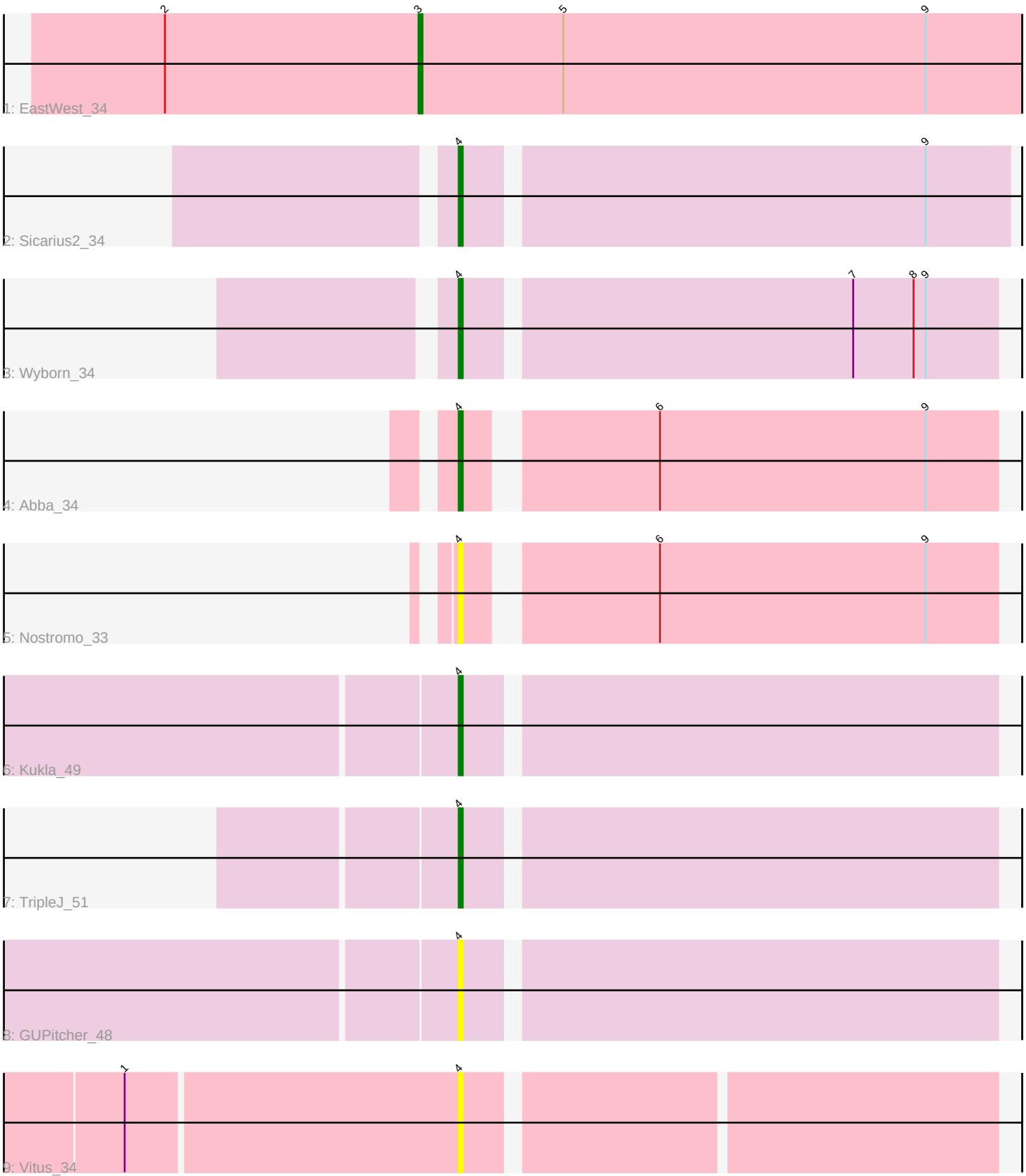
Pham 203590


2
3
5
9
1: EastWest_34
4
9
2: Sicarius2_34
4
7
8
9
3: Wyborn_34
4
6
9
4: Abba_34
4
6
9
5: Nostromo_33
4
6: Kukla_49
4
7: TripleJ_51
4
8: GUPitcher_48
1
4
9: Vitus_34

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 203590 Report

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

Pham number 203590 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : EastWest_34
• Track 2 : Sicarius2_34
• Track 3 : Wyborn_34
• Track 4 : Abba_34
• Track 5 : Nostromo_33
• Track 6 : Kukla_49
• Track 7 : TripleJ_51
• Track 8 : GUPitcher_48
• Track 9 : Vitus_34

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abba_34, GUPitcher_48, Kukla_49, Nostromo_33, Sicarius2_34, TripleJ_51, Vitus_34, Wyborn_34,

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

Genes that do not have the "Most Annotated" start:
• EastWest_34,

Summary by start number:

Start 3:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EastWest_34 (AO),

Start 4:

• Found in 8 of 9 (88.9%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abba_34 (AO3), GUPitcher_48 (FJ), Kukla_49 (FJ), Nostromo_33 (AO3), Sicarius2_34 (AO2), TripleJ_51 (FJ), Vitus_34 (FL), Wyborn_34 (AO2),

Summary by clusters:

There are 5 clusters represented in this pham: AO3, FJ, FL, AO2, AO,

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

Info for manual annotations of cluster AO2:
•Start number 4 was manually annotated 2 times for cluster AO2.

Info for manual annotations of cluster AO3:
•Start number 4 was manually annotated 1 time for cluster AO3.

Info for manual annotations of cluster FJ:
•Start number 4 was manually annotated 2 times for cluster FJ.

Gene Information:

Gene: Abba_34 Start: 27586, Stop: 27711, Start Num: 4
Candidate Starts for Abba_34:
(Start: 4 @27586 has 5 MA's), (6, 27628), (9, 27694),

Gene: EastWest_34 Start: 27868, Stop: 28017, Start Num: 3
Candidate Starts for EastWest_34:
(2, 27805), (Start: 3 @27868 has 1 MA's), (5, 27904), (9, 27994),

Gene: GUPitcher_48 Start: 33118, Stop: 33246, Start Num: 4
Candidate Starts for GUPitcher_48:
(Start: 4 @33118 has 5 MA's),

Gene: Kukla_49 Start: 32355, Stop: 32483, Start Num: 4
Candidate Starts for Kukla_49:
(Start: 4 @32355 has 5 MA's),

Gene: Nostromo_33 Start: 27655, Stop: 27780, Start Num: 4
Candidate Starts for Nostromo_33:
(Start: 4 @27655 has 5 MA's), (6, 27697), (9, 27763),

Gene: Sicarius2_34 Start: 28185, Stop: 28316, Start Num: 4
Candidate Starts for Sicarius2_34:
(Start: 4 @28185 has 5 MA's), (9, 28296),

Gene: TripleJ_51 Start: 32517, Stop: 32645, Start Num: 4

Candidate Starts for TripleJ_51:
(Start: 4 @32517 has 5 MA's),

Gene: Vitus_34 Start: 28833, Stop: 28958, Start Num: 4
Candidate Starts for Vitus_34:
(1, 28752), (Start: 4 @28833 has 5 MA's),

Gene: Wyborn_34 Start: 28823, Stop: 28951, Start Num: 4
Candidate Starts for Wyborn_34:
(Start: 4 @28823 has 5 MA's), (7, 28916), (8, 28931), (9, 28934),