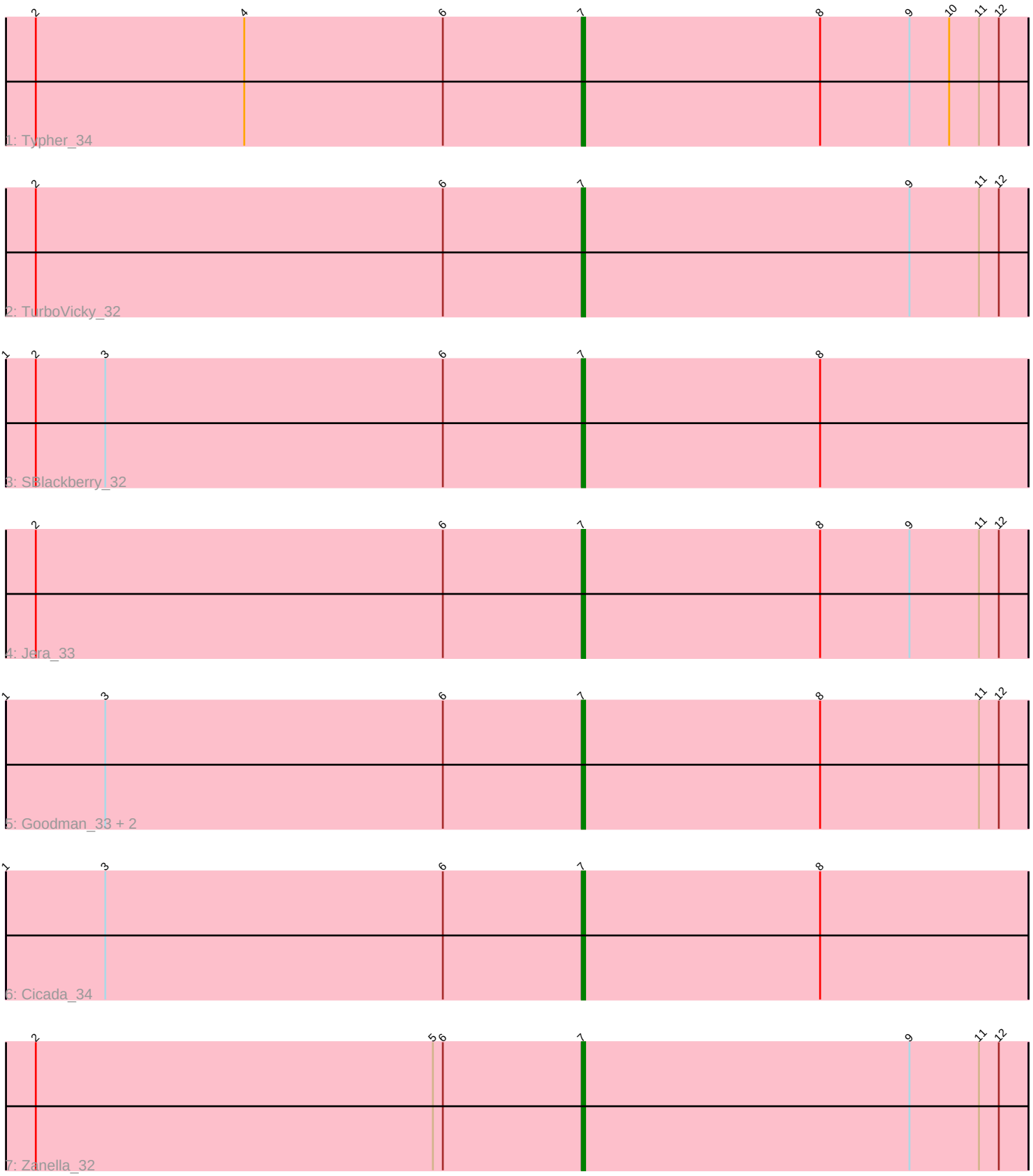
Pham 223656


2
4
6
7
8
9
10
11
12
1: Typher_34
2
6
7
9
11
12
2: TurboVicky_32
1
2
3
6
7
8
3: SBlackberry_32
2
6
7
8
9
11
12
4: Jera_33
1
3
6
7
8
11
12
5: Goodman_33 + 2
1
3
6
7
8
6: Cicada_34
2
5
6
7
9
11
12
7: Zanella_32

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 223656 Report

This analysis was run 03/28/25 on database version 593.

Pham number 223656 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Typher_34
• Track 2 : TurboVicky_32
• Track 3 : SBlackberry_32
• Track 4 : Jera_33
• Track 5 : Goodman_33, Olympi_33, Johann_33
• Track 6 : Cicada_34
• Track 7 : Zanella_32

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cicada_34, Goodman_33, Jera_33, Johann_33, Olympi_33, SBlackberry_32, TurboVicky_32, Typher_34, Zanella_32,

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

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

Summary by start number:

Start 7:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Cicada_34 (EJ), Goodman_33 (EJ), Jera_33 (EJ), Johann_33 (EJ), Olympi_33 (EJ), SBlackberry_32 (EJ), TurboVicky_32 (EJ), Typher_34 (EJ), Zanella_32 (EJ),

Summary by clusters:

There is one cluster represented in this pham: EJ

Info for manual annotations of cluster EJ:
•Start number 7 was manually annotated 8 times for cluster EJ.

Gene Information:

Gene: Cicada_34 Start: 23327, Stop: 23461, Start Num: 7
Candidate Starts for Cicada_34:
(1, 23153), (3, 23183), (6, 23285), (Start: 7 @23327 has 8 MA's), (8, 23399),

Gene: Goodman_33 Start: 23240, Stop: 23374, Start Num: 7
Candidate Starts for Goodman_33:
(1, 23066), (3, 23096), (6, 23198), (Start: 7 @23240 has 8 MA's), (8, 23312), (11, 23360), (12, 23366),

Gene: Jera_33 Start: 22373, Stop: 22507, Start Num: 7
Candidate Starts for Jera_33:
(2, 22208), (6, 22331), (Start: 7 @22373 has 8 MA's), (8, 22445), (9, 22472), (11, 22493), (12, 22499),

Gene: Johann_33 Start: 23240, Stop: 23374, Start Num: 7
Candidate Starts for Johann_33:
(1, 23066), (3, 23096), (6, 23198), (Start: 7 @23240 has 8 MA's), (8, 23312), (11, 23360), (12, 23366),

Gene: Olympi_33 Start: 23227, Stop: 23361, Start Num: 7
Candidate Starts for Olympi_33:
(1, 23053), (3, 23083), (6, 23185), (Start: 7 @23227 has 8 MA's), (8, 23299), (11, 23347), (12, 23353),

Gene: SBlackberry_32 Start: 23105, Stop: 23239, Start Num: 7
Candidate Starts for SBlackberry_32:
(1, 22931), (2, 22940), (3, 22961), (6, 23063), (Start: 7 @23105 has 8 MA's), (8, 23177),

Gene: TurboVicky_32 Start: 23121, Stop: 23255, Start Num: 7
Candidate Starts for TurboVicky_32:
(2, 22956), (6, 23079), (Start: 7 @23121 has 8 MA's), (9, 23220), (11, 23241), (12, 23247),

Gene: Typher_34 Start: 23250, Stop: 23384, Start Num: 7
Candidate Starts for Typher_34:
(2, 23085), (4, 23148), (6, 23208), (Start: 7 @23250 has 8 MA's), (8, 23322), (9, 23349), (10, 23361), (11, 23370), (12, 23376),

Gene: Zanella_32 Start: 23129, Stop: 23263, Start Num: 7
Candidate Starts for Zanella_32:
(2, 22964), (5, 23084), (6, 23087), (Start: 7 @23129 has 8 MA's), (9, 23228), (11, 23249), (12, 23255),