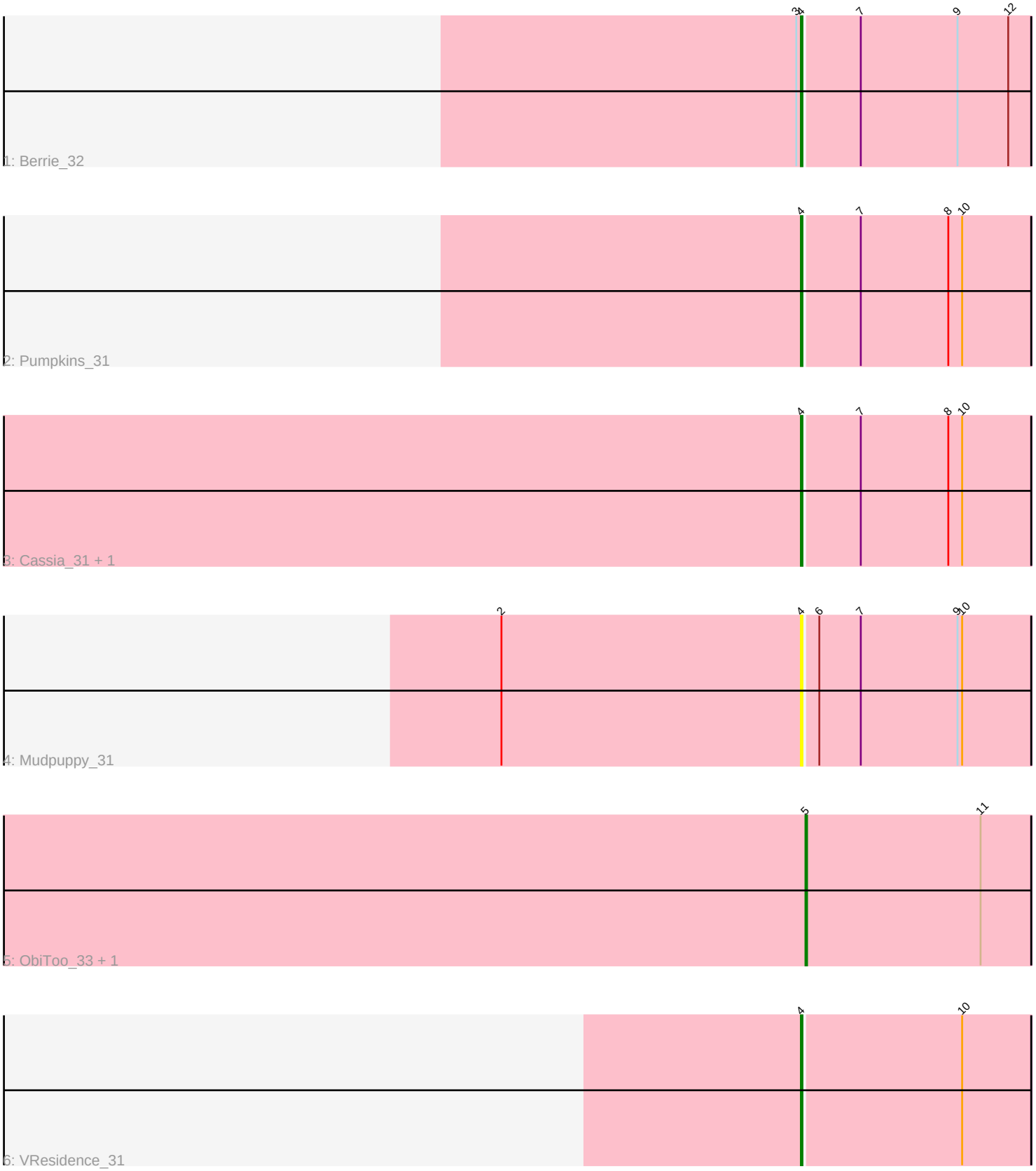
Zoomed Pham 170593



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 170593 Report

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

Pham number 170593 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Berrie_32
• Track 2 : Pumpkins_31
• Track 3 : Cassia_31, TforTroy_32
• Track 4 : Mudpuppy_31
• Track 5 : ObiToo_33, Crewmate_34
• Track 6 : VResidence_31

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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Berrie_32, Cassia_31, Mudpuppy_31, Pumpkins_31, TforTroy_32, VResidence_31,

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

Genes that do not have the "Most Annotated" start:
• Crewmate_34, ObiToo_33,

Summary by start number:

Start 4:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Berrie_32 (AZ1), Cassia_31 (AZ1), Mudpuppy_31 (AZ1), Pumpkins_31 (AZ1), TforTroy_32 (AZ1), VResidence_31 (AZ1),

Start 5:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Crewmate_34 (AZ1), ObiToo_33 (AZ1),

Summary by clusters:

There is one cluster represented in this pham: AZ1

Info for manual annotations of cluster AZ1:
•Start number 4 was manually annotated 5 times for cluster AZ1.
•Start number 5 was manually annotated 2 times for cluster AZ1.

Gene Information:

Gene: Berrie_32 Start: 25131, Stop: 25277, Start Num: 4
Candidate Starts for Berrie_32:
(3, 25128), (Start: 4 @25131 has 5 MA's), (7, 25167), (9, 25230), (12, 25263),

Gene: Cassia_31 Start: 24506, Stop: 24652, Start Num: 4
Candidate Starts for Cassia_31:
(Start: 4 @24506 has 5 MA's), (7, 24542), (8, 24599), (10, 24608),

Gene: Crewmate_34 Start: 24765, Stop: 24911, Start Num: 5
Candidate Starts for Crewmate_34:
(1, 24177), (Start: 5 @24765 has 2 MA's), (11, 24879),

Gene: Mudpuppy_31 Start: 23961, Stop: 24107, Start Num: 4
Candidate Starts for Mudpuppy_31:
(2, 23766), (Start: 4 @23961 has 5 MA's), (6, 23970), (7, 23997), (9, 24060), (10, 24063),

Gene: ObiToo_33 Start: 24505, Stop: 24651, Start Num: 5
Candidate Starts for ObiToo_33:
(1, 23917), (Start: 5 @24505 has 2 MA's), (11, 24619),

Gene: Pumpkins_31 Start: 24916, Stop: 25062, Start Num: 4
Candidate Starts for Pumpkins_31:
(Start: 4 @24916 has 5 MA's), (7, 24952), (8, 25009), (10, 25018),

Gene: TforTroy_32 Start: 24790, Stop: 24936, Start Num: 4
Candidate Starts for TforTroy_32:
(Start: 4 @24790 has 5 MA's), (7, 24826), (8, 24883), (10, 24892),

Gene: VResidence_31 Start: 24143, Stop: 24289, Start Num: 4
Candidate Starts for VResidence_31:
(Start: 4 @24143 has 5 MA's), (10, 24245),