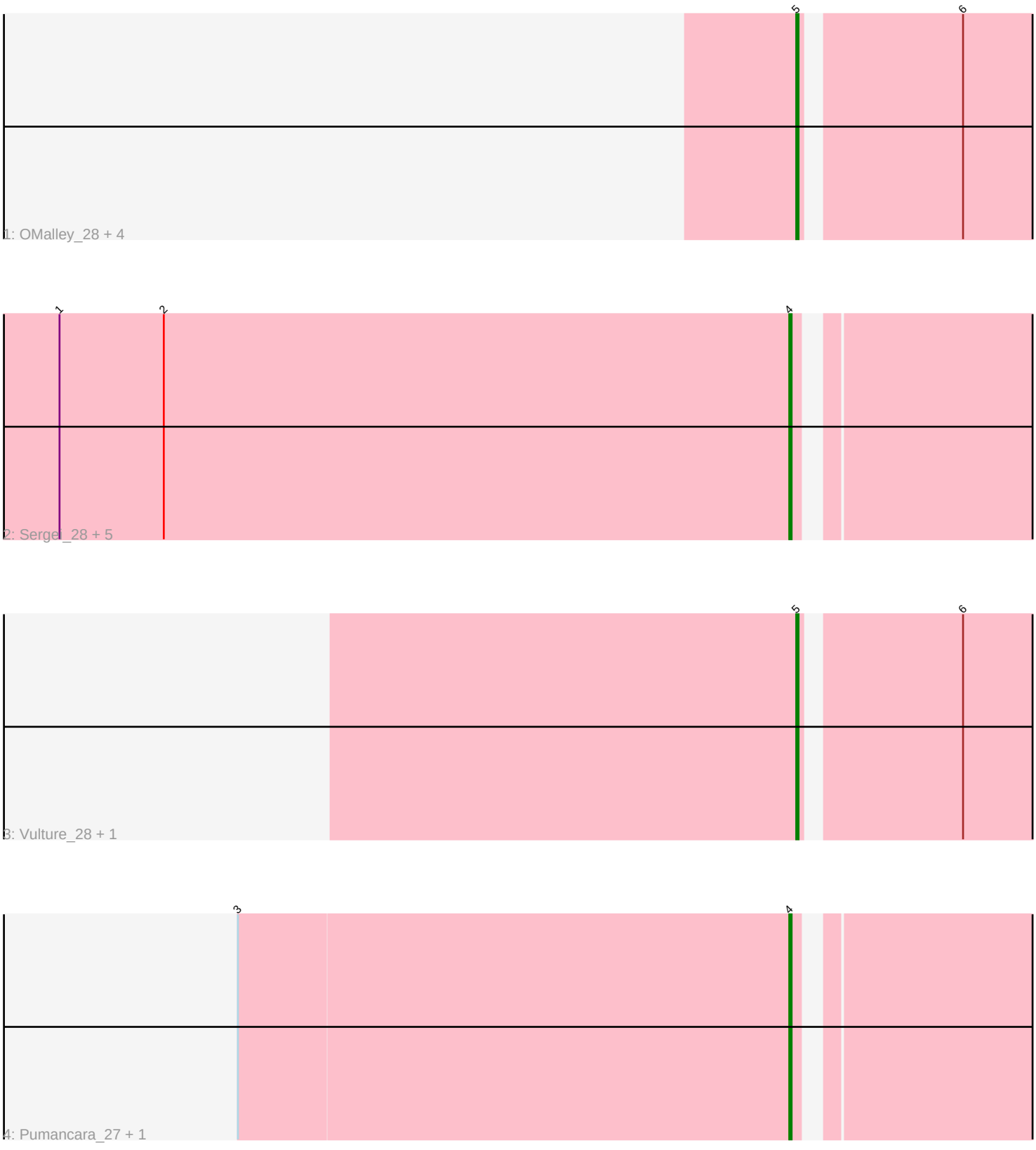
Pham 87107


5
6
1: OMalley_28 + 4
1
2
4
2: Sergei_28 + 5
5
6
3: Vulture_28 + 1
3
4
4: Pumancara_27 + 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 87107 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87107 has 15 members, 1 are drafts.

Phages represented in each track:
• Track 1 : OMalley_28, Eunoia_28, Aledel_28, Riovina_28, Supakev_28
• Track 2 : Sergei_28, Herb_28, Maria1952_28, Daiboju_28, KingBob_28, Temper16_28
• Track 3 : Vulture_28, HunterDalle_28
• Track 4 : Pumancara_27, PinkFriday_27

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 7 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Daiboju_28, Herb_28, KingBob_28, Maria1952_28, PinkFriday_27, Pumancara_27, Sergei_28, Temper16_28,

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

Genes that do not have the "Most Annotated" start:
• Aledel_28, Eunoia_28, HunterDalle_28, OMalley_28, Riovina_28, Supakev_28, Vulture_28,

Summary by start number:

Start 4:
• Found in 8 of 15 (53.3%) of genes in pham
• Manual Annotations of this start: 7 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daiboju_28 (AK), Herb_28 (AK), KingBob_28 (AK), Maria1952_28 (AK), PinkFriday_27 (AK), Pumancara_27 (AK), Sergei_28 (AK), Temper16_28 (AK),

Start 5:
• Found in 7 of 15 (46.7%) of genes in pham

• Manual Annotations of this start: 7 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aledel_28 (AK), Eunoia_28 (AK), HunterDalle_28 (AK), OMalley_28 (AK), Riovina_28 (AK), Supakev_28 (AK), Vulture_28 (AK),

Summary by clusters:

There is one cluster represented in this pham: AK

Info for manual annotations of cluster AK:
•Start number 4 was manually annotated 7 times for cluster AK.
•Start number 5 was manually annotated 7 times for cluster AK.

Gene Information:

Gene: Aledel_28 Start: 23486, Stop: 23674, Start Num: 5
Candidate Starts for Aledel_28:
(Start: 5 @23486 has 7 MA's), (6, 23549),

Gene: Daiboju_28 Start: 23469, Stop: 23651, Start Num: 4
Candidate Starts for Daiboju_28:
(1, 23154), (2, 23199), (Start: 4 @23469 has 7 MA's),

Gene: Eunoia_28 Start: 23486, Stop: 23674, Start Num: 5
Candidate Starts for Eunoia_28:
(Start: 5 @23486 has 7 MA's), (6, 23549),

Gene: Herb_28 Start: 23469, Stop: 23651, Start Num: 4
Candidate Starts for Herb_28:
(1, 23154), (2, 23199), (Start: 4 @23469 has 7 MA's),

Gene: HunterDalle_28 Start: 23483, Stop: 23671, Start Num: 5
Candidate Starts for HunterDalle_28:
(Start: 5 @23483 has 7 MA's), (6, 23546),

Gene: KingBob_28 Start: 23469, Stop: 23651, Start Num: 4
Candidate Starts for KingBob_28:
(1, 23154), (2, 23199), (Start: 4 @23469 has 7 MA's),

Gene: Maria1952_28 Start: 23469, Stop: 23651, Start Num: 4
Candidate Starts for Maria1952_28:
(1, 23154), (2, 23199), (Start: 4 @23469 has 7 MA's),

Gene: OMalley_28 Start: 23486, Stop: 23674, Start Num: 5
Candidate Starts for OMalley_28:
(Start: 5 @23486 has 7 MA's), (6, 23549),

Gene: PinkFriday_27 Start: 22354, Stop: 22554, Start Num: 4
Candidate Starts for PinkFriday_27:
(3, 22117), (Start: 4 @22354 has 7 MA's),

Gene: Pumancara_27 Start: 22278, Stop: 22460, Start Num: 4
Candidate Starts for Pumancara_27:
(3, 22041), (Start: 4 @22278 has 7 MA's),

Gene: Riovina_28 Start: 23486, Stop: 23674, Start Num: 5
Candidate Starts for Riovina_28:
(Start: 5 @23486 has 7 MA's), (6, 23549),

Gene: Sergei_28 Start: 23469, Stop: 23651, Start Num: 4
Candidate Starts for Sergei_28:
(1, 23154), (2, 23199), (Start: 4 @23469 has 7 MA's),

Gene: Supakev_28 Start: 23486, Stop: 23674, Start Num: 5
Candidate Starts for Supakev_28:
(Start: 5 @23486 has 7 MA's), (6, 23549),

Gene: Temper16_28 Start: 23469, Stop: 23651, Start Num: 4
Candidate Starts for Temper16_28:
(1, 23154), (2, 23199), (Start: 4 @23469 has 7 MA's),

Gene: Vulture_28 Start: 23483, Stop: 23671, Start Num: 5
Candidate Starts for Vulture_28:
(Start: 5 @23483 has 7 MA's), (6, 23546),