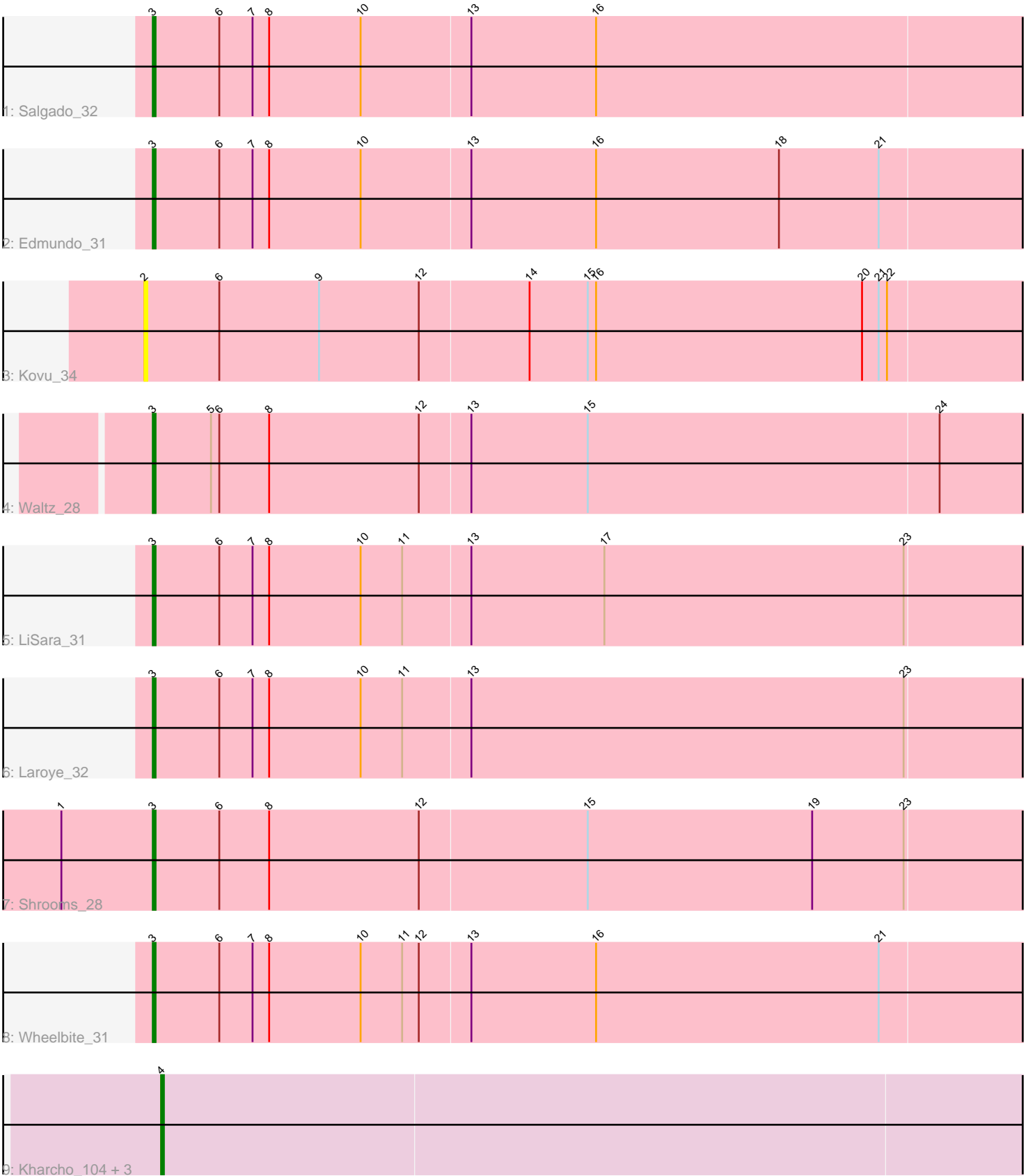


Pham 5202



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 5202 Report

This analysis was run 04/28/24 on database version 559.

Pham number 5202 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Salgado_32
- Track 2 : Edmundo_31
- Track 3 : Kovu_34
- Track 4 : Waltz_28
- Track 5 : LiSara_31
- Track 6 : Laroye_32
- Track 7 : Shrooms_28
- Track 8 : Wheelbite_31
- Track 9 : Kharcho_104, Ottawa_104, Kharcho_1, Ottawa_1

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Edmundo_31, Laroye_32, LiSara_31, Salgado_32, Shrooms_28, Waltz_28, Wheelbite_31,

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

-

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

- Kharcho_1, Kharcho_104, Kovu_34, Ottawa_1, Ottawa_104,

Summary by start number:

Start 2:

- Found in 1 of 12 (8.3%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kovu_34 (AL),

Start 3:

- Found in 7 of 12 (58.3%) of genes in pham
- Manual Annotations of this start: 7 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Edmundo_31 (AL), Laroye_32 (AL), LiSara_31 (AL), Salgado_32 (AL), Shrooms_28 (AL), Waltz_28 (AL), Wheelbite_31 (AL),

Start 4:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 4 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kharcho_1 (FM), Kharcho_104 (FM), Ottawa_1 (FM), Ottawa_104 (FM),

Summary by clusters:

There are 2 clusters represented in this pham: AL, FM,

Info for manual annotations of cluster AL:

- Start number 3 was manually annotated 7 times for cluster AL.

Info for manual annotations of cluster FM:

- Start number 4 was manually annotated 4 times for cluster FM.

Gene Information:

Gene: Edmundo_31 Start: 23519, Stop: 23842, Start Num: 3

Candidate Starts for Edmundo_31:

(Start: 3 @23519 has 7 MA's), (6, 23543), (7, 23555), (8, 23561), (10, 23594), (13, 23633), (16, 23678), (18, 23744), (21, 23780),

Gene: Kharcho_104 Start: 62828, Stop: 63148, Start Num: 4

Candidate Starts for Kharcho_104:

(Start: 4 @62828 has 4 MA's),

Gene: Kharcho_1 Start: 208, Stop: 528, Start Num: 4

Candidate Starts for Kharcho_1:

(Start: 4 @208 has 4 MA's),

Gene: Kovu_34 Start: 23082, Stop: 23408, Start Num: 2

Candidate Starts for Kovu_34:

(2, 23082), (6, 23109), (9, 23145), (12, 23181), (14, 23220), (15, 23241), (16, 23244), (20, 23340), (21, 23346), (22, 23349),

Gene: Laroye_32 Start: 23265, Stop: 23588, Start Num: 3

Candidate Starts for Laroye_32:

(Start: 3 @23265 has 7 MA's), (6, 23289), (7, 23301), (8, 23307), (10, 23340), (11, 23355), (13, 23379), (23, 23535),

Gene: LiSara_31 Start: 23208, Stop: 23531, Start Num: 3

Candidate Starts for LiSara_31:

(Start: 3 @23208 has 7 MA's), (6, 23232), (7, 23244), (8, 23250), (10, 23283), (11, 23298), (13, 23322), (17, 23370), (23, 23478),

Gene: Ottawa_104 Start: 62778, Stop: 63098, Start Num: 4
Candidate Starts for Ottawa_104:
(Start: 4 @62778 has 4 MA's),

Gene: Ottawa_1 Start: 208, Stop: 528, Start Num: 4
Candidate Starts for Ottawa_1:
(Start: 4 @208 has 4 MA's),

Gene: Salgado_32 Start: 23216, Stop: 23539, Start Num: 3
Candidate Starts for Salgado_32:
(Start: 3 @23216 has 7 MA's), (6, 23240), (7, 23252), (8, 23258), (10, 23291), (13, 23330), (16, 23375),

Gene: Shrooms_28 Start: 20600, Stop: 20923, Start Num: 3
Candidate Starts for Shrooms_28:
(1, 20567), (Start: 3 @20600 has 7 MA's), (6, 20624), (8, 20642), (12, 20696), (15, 20756), (19, 20837), (23, 20870),

Gene: Waltz_28 Start: 20680, Stop: 21003, Start Num: 3
Candidate Starts for Waltz_28:
(Start: 3 @20680 has 7 MA's), (5, 20701), (6, 20704), (8, 20722), (12, 20776), (13, 20794), (15, 20836), (24, 20962),

Gene: Wheelbite_31 Start: 23383, Stop: 23706, Start Num: 3
Candidate Starts for Wheelbite_31:
(Start: 3 @23383 has 7 MA's), (6, 23407), (7, 23419), (8, 23425), (10, 23458), (11, 23473), (12, 23479), (13, 23497), (16, 23542), (21, 23644),