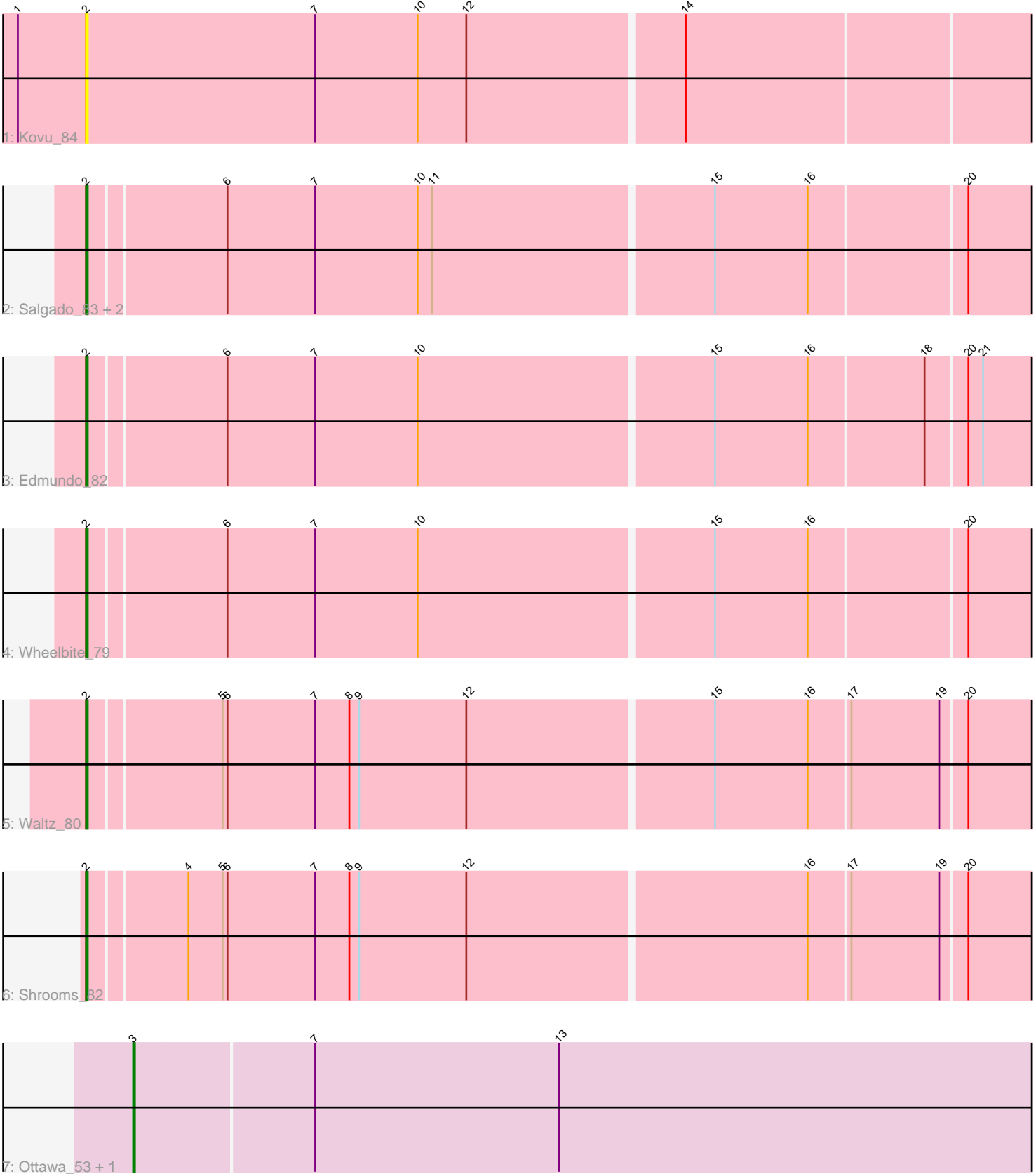# Pham 5808

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 5808 Report

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

Pham number 5808 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Kovu_84
• Track 2 : Salgado_83, Laroye_83, LiSara_80
• Track 3 : Edmundo_82
• Track 4 : Wheelbite_79
• Track 5 : Waltz_80
• Track 6 : Shrooms_82
• Track 7 : Ottawa_53, Kharcho_53

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Edmundo_82, Kovu_84, Laroye_83, LiSara_80, Salgado_83, Shrooms_82, Waltz_80, Wheelbite_79,

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

Genes that do not have the "Most Annotated" start:
• Kharcho_53, Ottawa_53,

Summary by start number:

Start 2:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Edmundo_82 (AL), Kovu_84 (AL), Laroye_83 (AL), LiSara_80 (AL), Salgado_83 (AL), Shrooms_82 (AL), Waltz_80 (AL), Wheelbite_79 (AL),

Start 3:

- Found in 2 of 10 (20.0%) of genes in pham
- Manual Annotations of this start: 2 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kharcho_53 (FM), Ottawa_53 (FM),

Summary by clusters:

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

Info for manual annotations of cluster AL:
•Start number 2 was manually annotated 7 times for cluster AL.

Info for manual annotations of cluster FM:
•Start number 3 was manually annotated 2 times for cluster FM.

Gene Information:

Gene: Edmundo_82 Start: 49503, Stop: 50090, Start Num: 2
Candidate Starts for Edmundo_82:
(Start: 2 @49503 has 7 MA's), (6, 49584), (7, 49638), (10, 49701), (15, 49878), (16, 49935), (18, 50004), (20, 50028), (21, 50037),

Gene: Kharcho_53 Start: 29714, Stop: 30286, Start Num: 3
Candidate Starts for Kharcho_53:
(Start: 3 @29714 has 2 MA's), (7, 29822), (13, 29972),

Gene: Kovu_84 Start: 50281, Stop: 50874, Start Num: 2
Candidate Starts for Kovu_84:
(1, 50239), (Start: 2 @50281 has 7 MA's), (7, 50422), (10, 50485), (12, 50515), (14, 50644),

Gene: Laroye_83 Start: 49275, Stop: 49862, Start Num: 2
Candidate Starts for Laroye_83:
(Start: 2 @49275 has 7 MA's), (6, 49356), (7, 49410), (10, 49473), (11, 49482), (15, 49650), (16, 49707), (20, 49800),

Gene: LiSara_80 Start: 49409, Stop: 49996, Start Num: 2
Candidate Starts for LiSara_80:
(Start: 2 @49409 has 7 MA's), (6, 49490), (7, 49544), (10, 49607), (11, 49616), (15, 49784), (16, 49841), (20, 49934),

Gene: Ottawa_53 Start: 29712, Stop: 30284, Start Num: 3
Candidate Starts for Ottawa_53:
(Start: 3 @29712 has 2 MA's), (7, 29820), (13, 29970),

Gene: Salgado_83 Start: 49079, Stop: 49666, Start Num: 2
Candidate Starts for Salgado_83:
(Start: 2 @49079 has 7 MA's), (6, 49160), (7, 49214), (10, 49277), (11, 49286), (15, 49454), (16, 49511), (20, 49604),

Gene: Shrooms_82 Start: 48736, Stop: 49323, Start Num: 2
Candidate Starts for Shrooms_82:

(Start: 2 @48736 has 7 MA's), (4, 48793), (5, 48814), (6, 48817), (7, 48871), (8, 48892), (9, 48898), (12, 48964), (16, 49168), (17, 49192), (19, 49246), (20, 49261),

Gene: Waltz_80 Start: 47528, Stop: 48115, Start Num: 2
Candidate Starts for Waltz_80:
(Start: 2 @47528 has 7 MA's), (5, 47606), (6, 47609), (7, 47663), (8, 47684), (9, 47690), (12, 47756), (15, 47903), (16, 47960), (17, 47984), (19, 48038), (20, 48053),

Gene: Wheelbite_79 Start: 49237, Stop: 49824, Start Num: 2
Candidate Starts for Wheelbite_79:
(Start: 2 @49237 has 7 MA's), (6, 49318), (7, 49372), (10, 49435), (15, 49612), (16, 49669), (20, 49762),