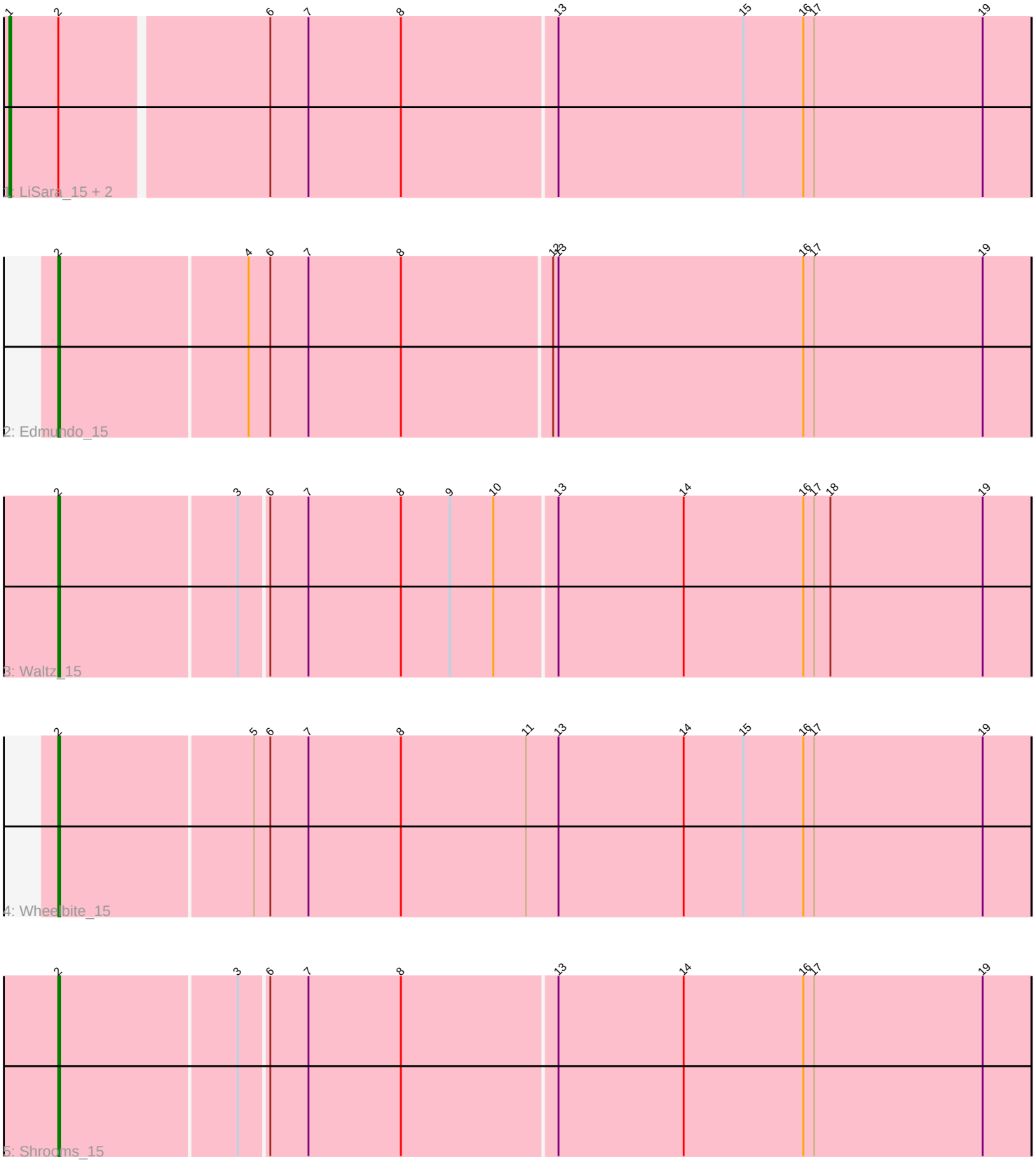
Pham 7189


1 2 6 7 8 13 15 16 17 19
1: LiSara_15 + 2
2 4 6 7 8 12 13 16 17 19
2: Edmundo_15
2 3 6 7 8 9 10 13 14 16 17 18 19
3: Waltz_15
2 5 6 7 8 11 13 14 15 16 17 19
4: Wheelbite_15
2 3 6 7 8 13 14 16 17 19
5: Shrooms_15

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 7189 Report

This analysis was run 04/12/24 on database version 558.

Pham number 7189 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : LiSara_15, Laroye_15, Salgado_15
• Track 2 : Edmundo_15
• Track 3 : Waltz_15
• Track 4 : Wheelbite_15
• Track 5 : Shrooms_15

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

Genes that call this "Most Annotated" start:
• Edmundo_15, Shrooms_15, Waltz_15, Wheelbite_15,

Genes that have the "Most Annotated" start but do not call it:
• Laroye_15, LiSara_15, Salgado_15,

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

Summary by start number:

Start 1:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Laroye_15 (AL), LiSara_15 (AL), Salgado_15 (AL),

Start 2:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 57.1% of time when present

• Phage (with cluster) where this start called: Edmundo_15 (AL), Shrooms_15 (AL), Waltz_15 (AL), Wheelbite_15 (AL),

Summary by clusters:

There is one cluster represented in this pham: AL

Info for manual annotations of cluster AL:
•Start number 1 was manually annotated 3 times for cluster AL.
•Start number 2 was manually annotated 4 times for cluster AL.

Gene Information:

Gene: Edmundo_15 Start: 10777, Stop: 11307, Start Num: 2
Candidate Starts for Edmundo_15:
(Start: 2 @10777 has 4 MA's), (4, 10879), (6, 10891), (7, 10912), (8, 10963), (12, 11044), (13, 11047), (16, 11182), (17, 11188), (19, 11281),

Gene: Laroye_15 Start: 10462, Stop: 11016, Start Num: 1
Candidate Starts for Laroye_15:
(Start: 1 @10462 has 3 MA's), (Start: 2 @10489 has 4 MA's), (6, 10600), (7, 10621), (8, 10672), (13, 10756), (15, 10858), (16, 10891), (17, 10897), (19, 10990),

Gene: LiSara_15 Start: 10517, Stop: 11071, Start Num: 1
Candidate Starts for LiSara_15:
(Start: 1 @10517 has 3 MA's), (Start: 2 @10544 has 4 MA's), (6, 10655), (7, 10676), (8, 10727), (13, 10811), (15, 10913), (16, 10946), (17, 10952), (19, 11045),

Gene: Salgado_15 Start: 10470, Stop: 11024, Start Num: 1
Candidate Starts for Salgado_15:
(Start: 1 @10470 has 3 MA's), (Start: 2 @10497 has 4 MA's), (6, 10608), (7, 10629), (8, 10680), (13, 10764), (15, 10866), (16, 10899), (17, 10905), (19, 10998),

Gene: Shrooms_15 Start: 10585, Stop: 11112, Start Num: 2
Candidate Starts for Shrooms_15:
(Start: 2 @10585 has 4 MA's), (3, 10681), (6, 10696), (7, 10717), (8, 10768), (13, 10852), (14, 10921), (16, 10987), (17, 10993), (19, 11086),

Gene: Waltz_15 Start: 10647, Stop: 11174, Start Num: 2
Candidate Starts for Waltz_15:
(Start: 2 @10647 has 4 MA's), (3, 10743), (6, 10758), (7, 10779), (8, 10830), (9, 10857), (10, 10881), (13, 10914), (14, 10983), (16, 11049), (17, 11055), (18, 11064), (19, 11148),

Gene: Wheelbite_15 Start: 10615, Stop: 11148, Start Num: 2
Candidate Starts for Wheelbite_15:
(Start: 2 @10615 has 4 MA's), (5, 10720), (6, 10729), (7, 10750), (8, 10801), (11, 10870), (13, 10888), (14, 10957), (15, 10990), (16, 11023), (17, 11029), (19, 11122),