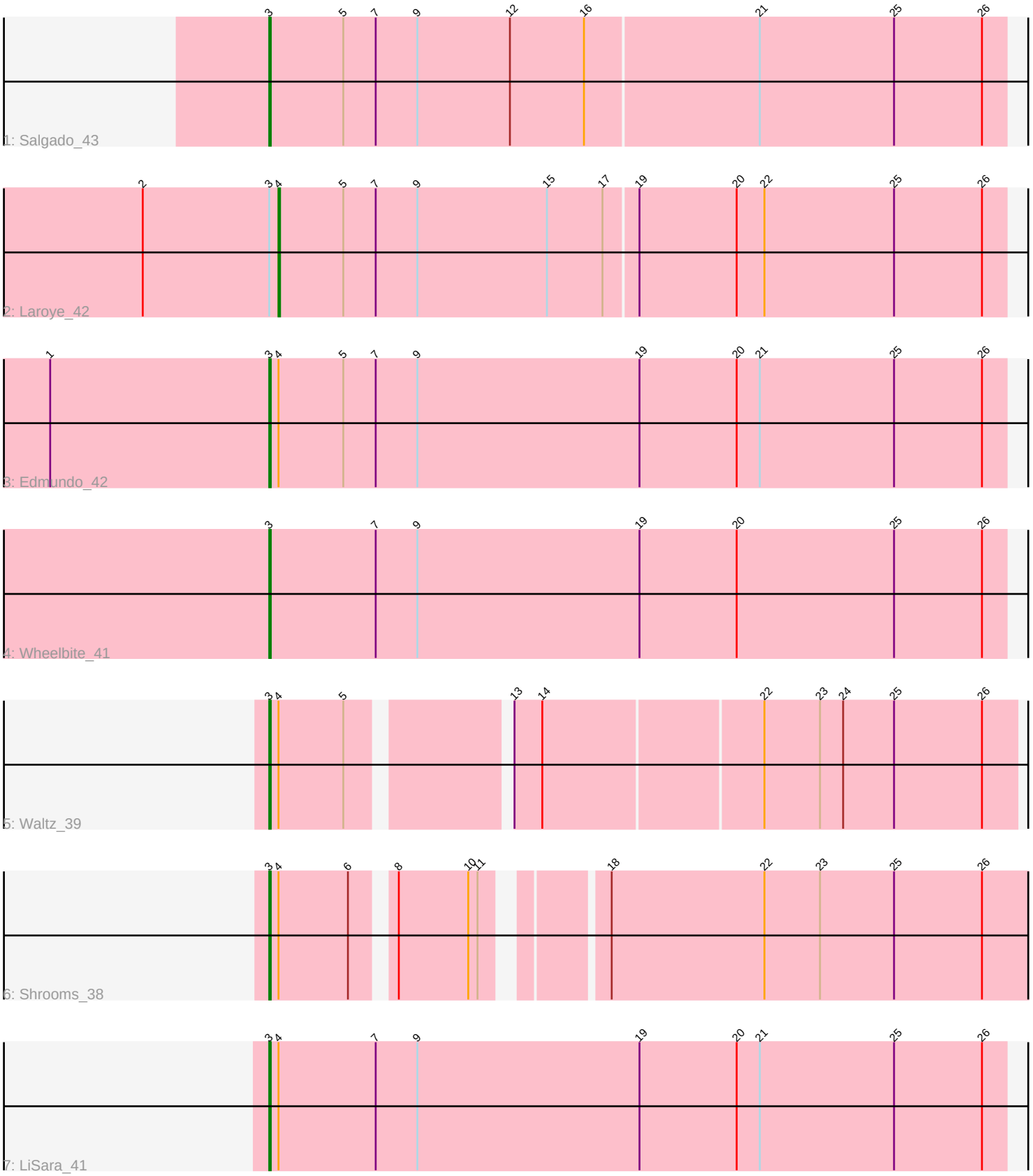
Pham 6794


3
5
7
9
12
16
21
25
26
1: Salgado_43
2
3
4
5
7
9
15
17
19
20
22
25
26
2: Laroye_42
1
3
4
5
7
9
19
20
21
25
26
3: Edmundo_42
3
7
9
19
20
25
26
4: Wheelbite_41
3
4
5
13
14
22
23
24
25
26
5: Waltz_39
3
4
6
8
10
11
18
22
23
25
26
6: Shrooms_38
3
4
7
9
19
20
21
25
26
7: LiSara_41

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 6794 Report

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

Pham number 6794 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Salgado_43
• Track 2 : Laroye_42
• Track 3 : Edmundo_42
• Track 4 : Wheelbite_41
• Track 5 : Waltz_39
• Track 6 : Shrooms_38
• Track 7 : LiSara_41

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

Genes that call this "Most Annotated" start:
• Edmundo_42, LiSara_41, Salgado_43, Shrooms_38, Waltz_39, Wheelbite_41,

Genes that have the "Most Annotated" start but do not call it:
• Laroye_42,

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

Summary by start number:

Start 3:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Edmundo_42 (AL), LiSara_41 (AL), Salgado_43 (AL), Shrooms_38 (AL), Waltz_39 (AL), Wheelbite_41 (AL),

Start 4:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 1 of 7

• Called 20.0% of time when present
• Phage (with cluster) where this start called: Laroye_42 (AL),

Summary by clusters:

There is one cluster represented in this pham: AL

Info for manual annotations of cluster AL:
•Start number 3 was manually annotated 6 times for cluster AL.
•Start number 4 was manually annotated 1 time for cluster AL.

Gene Information:

Gene: Edmundo_42 Start: 27859, Stop: 28365, Start Num: 3
Candidate Starts for Edmundo_42:
(1, 27718), (Start: 3 @27859 has 6 MA's), (Start: 4 @27865 has 1 MA's), (5, 27907), (7, 27928), (9, 27955), (19, 28099), (20, 28162), (21, 28177), (25, 28264), (26, 28321),

Gene: Laroye_42 Start: 27427, Stop: 27933, Start Num: 4
Candidate Starts for Laroye_42:
(2, 27340), (Start: 3 @27421 has 6 MA's), (Start: 4 @27427 has 1 MA's), (5, 27469), (7, 27490), (9, 27517), (15, 27601), (17, 27637), (19, 27658), (20, 27721), (22, 27739), (25, 27823), (26, 27880),

Gene: LiSara_41 Start: 27480, Stop: 27986, Start Num: 3
Candidate Starts for LiSara_41:
(Start: 3 @27480 has 6 MA's), (Start: 4 @27486 has 1 MA's), (7, 27549), (9, 27576), (19, 27720), (20, 27783), (21, 27798), (25, 27885), (26, 27942),

Gene: Salgado_43 Start: 27614, Stop: 28120, Start Num: 3
Candidate Starts for Salgado_43:
(Start: 3 @27614 has 6 MA's), (5, 27662), (7, 27683), (9, 27710), (12, 27770), (16, 27818), (21, 27929), (25, 28016), (26, 28073),

Gene: Shrooms_38 Start: 24850, Stop: 25353, Start Num: 3
Candidate Starts for Shrooms_38:
(Start: 3 @24850 has 6 MA's), (Start: 4 @24856 has 1 MA's), (6, 24901), (8, 24922), (10, 24967), (11, 24973), (18, 25036), (22, 25135), (23, 25171), (25, 25219), (26, 25276),

Gene: Waltz_39 Start: 25062, Stop: 25562, Start Num: 3
Candidate Starts for Waltz_39:
(Start: 3 @25062 has 6 MA's), (Start: 4 @25068 has 1 MA's), (5, 25110), (13, 25200), (14, 25218), (22, 25356), (23, 25392), (24, 25407), (25, 25440), (26, 25497),

Gene: Wheelbite_41 Start: 27593, Stop: 28108, Start Num: 3
Candidate Starts for Wheelbite_41:
(Start: 3 @27593 has 6 MA's), (7, 27662), (9, 27689), (19, 27833), (20, 27896), (25, 27998), (26, 28055),