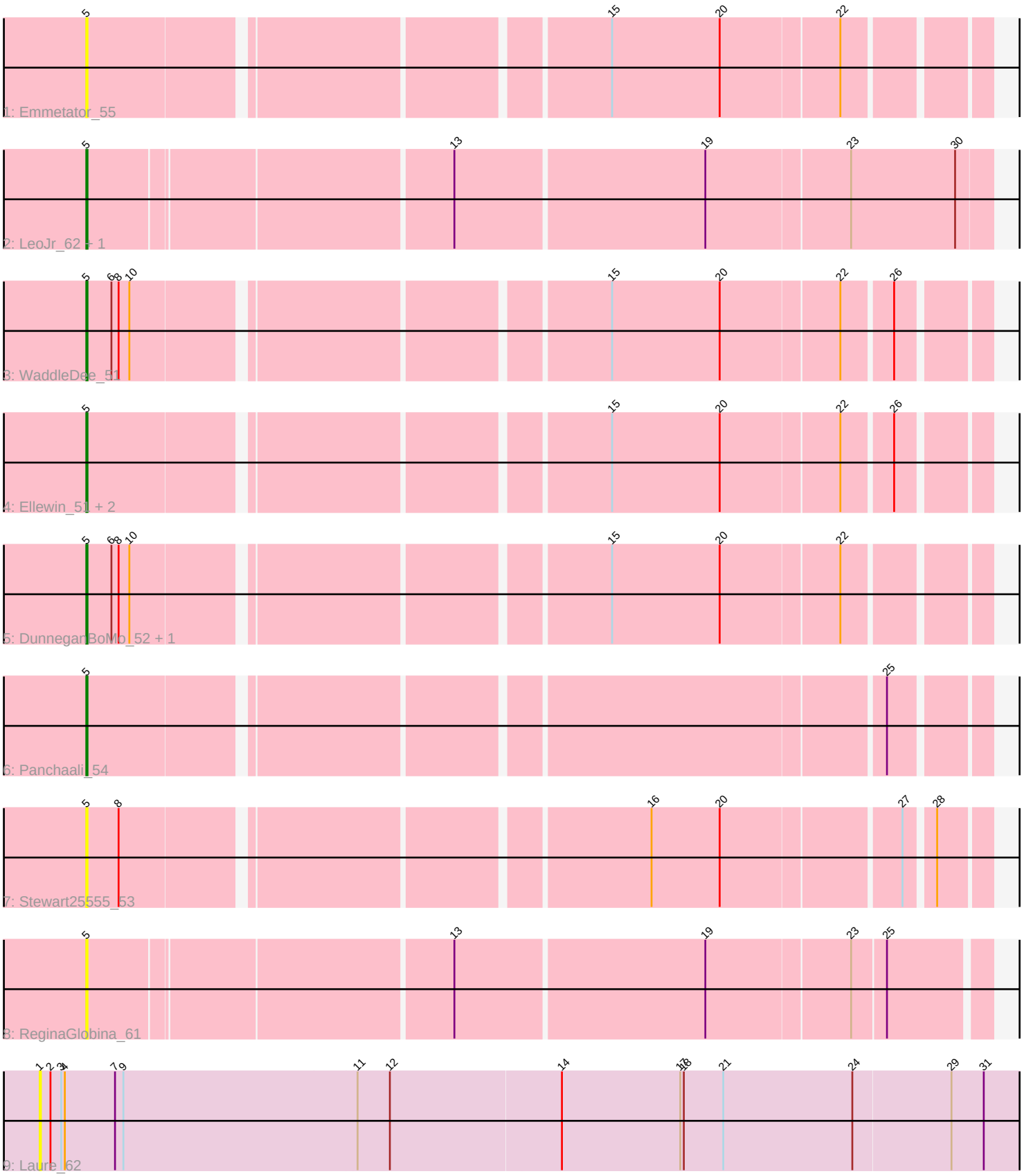
Pham 340159


5
15
20
22
1: Emmetator_55
5
13
19
23
30
2: LeoJr_62 + 1
5
6
8
10
15
20
22
26
3: WaddleDee_51
5
15
20
22
26
4: Ellewin_51 + 2
5
6
8
10
15
20
22
5: DunneganBoMo_52 + 1
5
25
6: Panchaali_54
5
8
16
20
27
28
7: Stewart25555_53
5
13
19
23
25
8: ReginaGlobina_61
1
2
3
4
7
9
11
12
14
17
18
21
24
29
31
9: Laure_62

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 340159 Report

This analysis was run 11/14/26 on database version 672.

Pham number 340159 has 13 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Emmetator_55
• Track 2 : LeoJr_62, Atuin_58
• Track 3 : WaddleDee_51
• Track 4 : Ellewin_51, Artu_54, KSunshine22_57
• Track 5 : DunneganBoMo_52, BooTeria_54
• Track 6 : Panchaali_54
• Track 7 : Stewart25555_53
• Track 8 : ReginaGlobina_61
• Track 9 : Laure_62

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

The start number called the most often in the published annotations is 5, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_54, Atuin_58, BooTeria_54, DunneganBoMo_52, Ellewin_51, Emmetator_55, KSunshine22_57, LeoJr_62, Panchaali_54, ReginaGlobina_61, Stewart25555_53, WaddleDee_51,

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

Genes that do not have the "Most Annotated" start:
• Laure_62,

Summary by start number:

Start 1:
• Found in 1 of 13 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Laure_62 (UNK),

Start 5:
• Found in 12 of 13 (92.3%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_54 (FC), Atuin_58 (FC), BooTeria_54 (FC), DunneganBoMo_52 (FC), Ellewin_51 (FC), Emmetator_55 (FC), KSunshine22_57 (FC), LeoJr_62 (FC), Panchaali_54 (FC), ReginaGlobina_61 (FC), Stewart25555_53 (FC), WaddleDee_51 (FC),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, FC,

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

Gene Information:

Gene: Artu_54 Start: 21912, Stop: 22607, Start Num: 5
Candidate Starts for Artu_54:
(Start: 5 @21912 has 7 MA's), (15, 22314), (20, 22404), (22, 22500), (26, 22539),

Gene: Atuin_58 Start: 24356, Stop: 25084, Start Num: 5
Candidate Starts for Atuin_58:
(Start: 5 @24356 has 7 MA's), (13, 24647), (19, 24851), (23, 24968), (30, 25055),

Gene: BooTeria_54 Start: 22338, Stop: 23033, Start Num: 5
Candidate Starts for BooTeria_54:
(Start: 5 @22338 has 7 MA's), (6, 22359), (8, 22365), (10, 22374), (15, 22740), (20, 22830), (22, 22926),

Gene: DunneganBoMo_52 Start: 21579, Stop: 22274, Start Num: 5
Candidate Starts for DunneganBoMo_52:
(Start: 5 @21579 has 7 MA's), (6, 21600), (8, 21606), (10, 21615), (15, 21981), (20, 22071), (22, 22167),

Gene: Ellewin_51 Start: 21135, Stop: 21830, Start Num: 5
Candidate Starts for Ellewin_51:
(Start: 5 @21135 has 7 MA's), (15, 21537), (20, 21627), (22, 21723), (26, 21762),

Gene: Emmetator_55 Start: 22325, Stop: 23020, Start Num: 5
Candidate Starts for Emmetator_55:
(Start: 5 @22325 has 7 MA's), (15, 22727), (20, 22817), (22, 22913),

Gene: KSunshine22_57 Start: 22856, Stop: 23551, Start Num: 5
Candidate Starts for KSunshine22_57:
(Start: 5 @22856 has 7 MA's), (15, 23258), (20, 23348), (22, 23444), (26, 23483),

Gene: Laure_62 Start: 25666, Stop: 26538, Start Num: 1
Candidate Starts for Laure_62:

(1, 25666), (2, 25675), (3, 25684), (4, 25687), (7, 25729), (9, 25735), (11, 25927), (12, 25954), (14, 26095), (17, 26194), (18, 26197), (21, 26230), (24, 26338), (29, 26419), (31, 26446),

Gene: LeoJr_62 Start: 24560, Stop: 25288, Start Num: 5
Candidate Starts for LeoJr_62:
(Start: 5 @24560 has 7 MA's), (13, 24851), (19, 25055), (23, 25172), (30, 25259),

Gene: Panchaali_54 Start: 21299, Stop: 21994, Start Num: 5
Candidate Starts for Panchaali_54:
(Start: 5 @21299 has 7 MA's), (25, 21920),

Gene: ReginaGlobina_61 Start: 24757, Stop: 25476, Start Num: 5
Candidate Starts for ReginaGlobina_61:
(Start: 5 @24757 has 7 MA's), (13, 25048), (19, 25252), (23, 25369), (25, 25396),

Gene: Stewart25555_53 Start: 22020, Stop: 22715, Start Num: 5
Candidate Starts for Stewart25555_53:
(Start: 5 @22020 has 7 MA's), (8, 22047), (16, 22455), (20, 22512), (27, 22653), (28, 22674),

Gene: WaddleDee_51 Start: 21615, Stop: 22310, Start Num: 5
Candidate Starts for WaddleDee_51:
(Start: 5 @21615 has 7 MA's), (6, 21636), (8, 21642), (10, 21651), (15, 22017), (20, 22107), (22, 22203), (26, 22242),