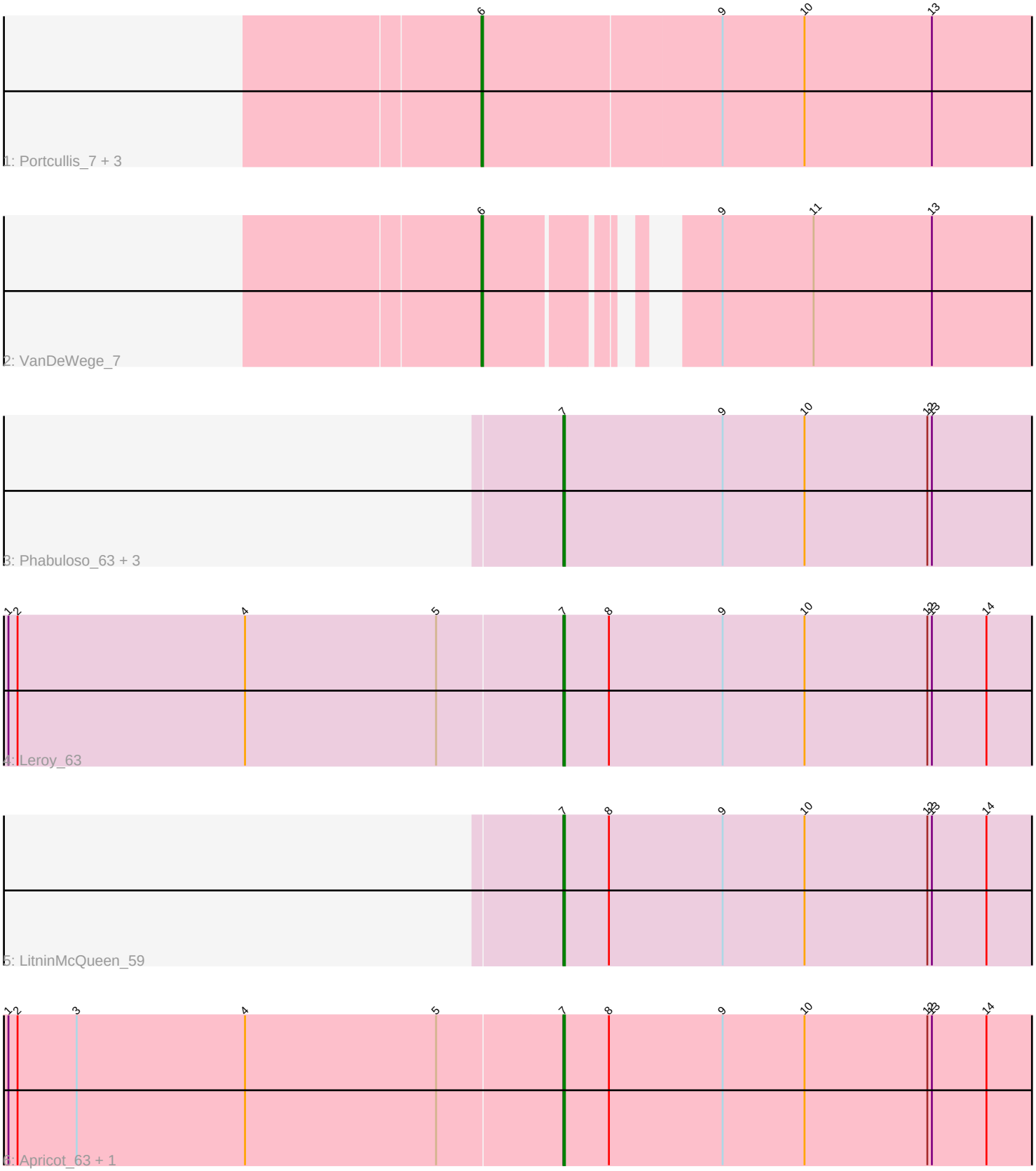
Pham 87158


6
9
10
13
1: Portcullis_7 + 3
6
9
11
13
2: VanDeWege_7
7
9
10
12
13
3: Phabuloso_63 + 3
1
2
4
5
7
8
9
10
12
13
14
4: Leroy_63
7
8
9
10
12
13
14
5: LitninMcQueen_59
1
2
3
4
5
7
8
9
10
12
13
14
6: Apricot_63 + 1

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 87158 Report

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

Pham number 87158 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Portcullis_7, Arri_7, Valary_7, RogerDodger_7
• Track 2 : VanDeWege_7
• Track 3 : Phabuloso_63, Kenna_61, Ecliptus_64, Lutum_66
• Track 4 : Leroy_63
• Track 5 : LitninMcQueen_59
• Track 6 : Apricot_63, Crater_63

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

The start number called the most often in the published annotations is 7, it was called in 8 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apricot_63, Crater_63, Ecliptus_64, Kenna_61, Leroy_63, LitninMcQueen_59, Lutum_66, Phabuloso_63,

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

Genes that do not have the "Most Annotated" start:
• Arri_7, Portcullis_7, RogerDodger_7, Valary_7, VanDeWege_7,

Summary by start number:

Start 6:
• Found in 5 of 13 (38.5%) of genes in pham
• Manual Annotations of this start: 5 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arri_7 (DC1), Portcullis_7 (DC1), RogerDodger_7 (DC1), Valary_7 (DC1), VanDeWege_7 (DC1),

Start 7:
• Found in 8 of 13 (61.5%) of genes in pham
• Manual Annotations of this start: 8 of 13

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Apricot_63 (DN3), Crater_63 (DN3), Ecliptus_64 (DN), Kenna_61 (DN1), Leroy_63 (DN1), LitninMcQueen_59 (DN1), Lutum_66 (DN1), Phabuloso_63 (DN1),

Summary by clusters:

There are 4 clusters represented in this pham: DN, DN1, DN3, DC1,

Info for manual annotations of cluster DC1:
•Start number 6 was manually annotated 5 times for cluster DC1.

Info for manual annotations of cluster DN:
•Start number 7 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 7 was manually annotated 5 times for cluster DN1.

Info for manual annotations of cluster DN3:
•Start number 7 was manually annotated 2 times for cluster DN3.

Gene Information:

Gene: Apricot_63 Start: 39017, Stop: 39328, Start Num: 7
Candidate Starts for Apricot_63:
(1, 38654), (2, 38660), (3, 38699), (4, 38810), (5, 38936), (Start: 7 @39017 has 8 MA's), (8, 39047), (9, 39122), (10, 39176), (12, 39257), (13, 39260), (14, 39296),

Gene: Arri_7 Start: 3555, Stop: 3917, Start Num: 6
Candidate Starts for Arri_7:
(Start: 6 @3555 has 5 MA's), (9, 3711), (10, 3765), (13, 3849),

Gene: Crater_63 Start: 39412, Stop: 39723, Start Num: 7
Candidate Starts for Crater_63:
(1, 39049), (2, 39055), (3, 39094), (4, 39205), (5, 39331), (Start: 7 @39412 has 8 MA's), (8, 39442), (9, 39517), (10, 39571), (12, 39652), (13, 39655), (14, 39691),

Gene: Ecliptus_64 Start: 41209, Stop: 41520, Start Num: 7
Candidate Starts for Ecliptus_64:
(Start: 7 @41209 has 8 MA's), (9, 41314), (10, 41368), (12, 41449), (13, 41452),

Gene: Kenna_61 Start: 39042, Stop: 39353, Start Num: 7
Candidate Starts for Kenna_61:
(Start: 7 @39042 has 8 MA's), (9, 39147), (10, 39201), (12, 39282), (13, 39285),

Gene: Leroy_63 Start: 39348, Stop: 39659, Start Num: 7
Candidate Starts for Leroy_63:
(1, 38985), (2, 38991), (4, 39141), (5, 39267), (Start: 7 @39348 has 8 MA's), (8, 39378), (9, 39453), (10, 39507), (12, 39588), (13, 39591), (14, 39627),

Gene: LitninMcQueen_59 Start: 38820, Stop: 39131, Start Num: 7

Candidate Starts for LitninMcQueen_59:
(Start: 7 @38820 has 8 MA's), (8, 38850), (9, 38925), (10, 38979), (12, 39060), (13, 39063), (14, 39099),

Gene: Lutum_66 Start: 40206, Stop: 40517, Start Num: 7
Candidate Starts for Lutum_66:
(Start: 7 @40206 has 8 MA's), (9, 40311), (10, 40365), (12, 40446), (13, 40449),

Gene: Phabuloso_63 Start: 39251, Stop: 39562, Start Num: 7
Candidate Starts for Phabuloso_63:
(Start: 7 @39251 has 8 MA's), (9, 39356), (10, 39410), (12, 39491), (13, 39494),

Gene: Portcullis_7 Start: 3600, Stop: 3962, Start Num: 6
Candidate Starts for Portcullis_7:
(Start: 6 @3600 has 5 MA's), (9, 3756), (10, 3810), (13, 3894),

Gene: RogerDodger_7 Start: 3600, Stop: 3962, Start Num: 6
Candidate Starts for RogerDodger_7:
(Start: 6 @3600 has 5 MA's), (9, 3756), (10, 3810), (13, 3894),

Gene: Valary_7 Start: 3600, Stop: 3962, Start Num: 6
Candidate Starts for Valary_7:
(Start: 6 @3600 has 5 MA's), (9, 3756), (10, 3810), (13, 3894),

Gene: VanDeWege_7 Start: 3522, Stop: 3839, Start Num: 6
Candidate Starts for VanDeWege_7:
(Start: 6 @3522 has 5 MA's), (9, 3633), (11, 3693), (13, 3771),