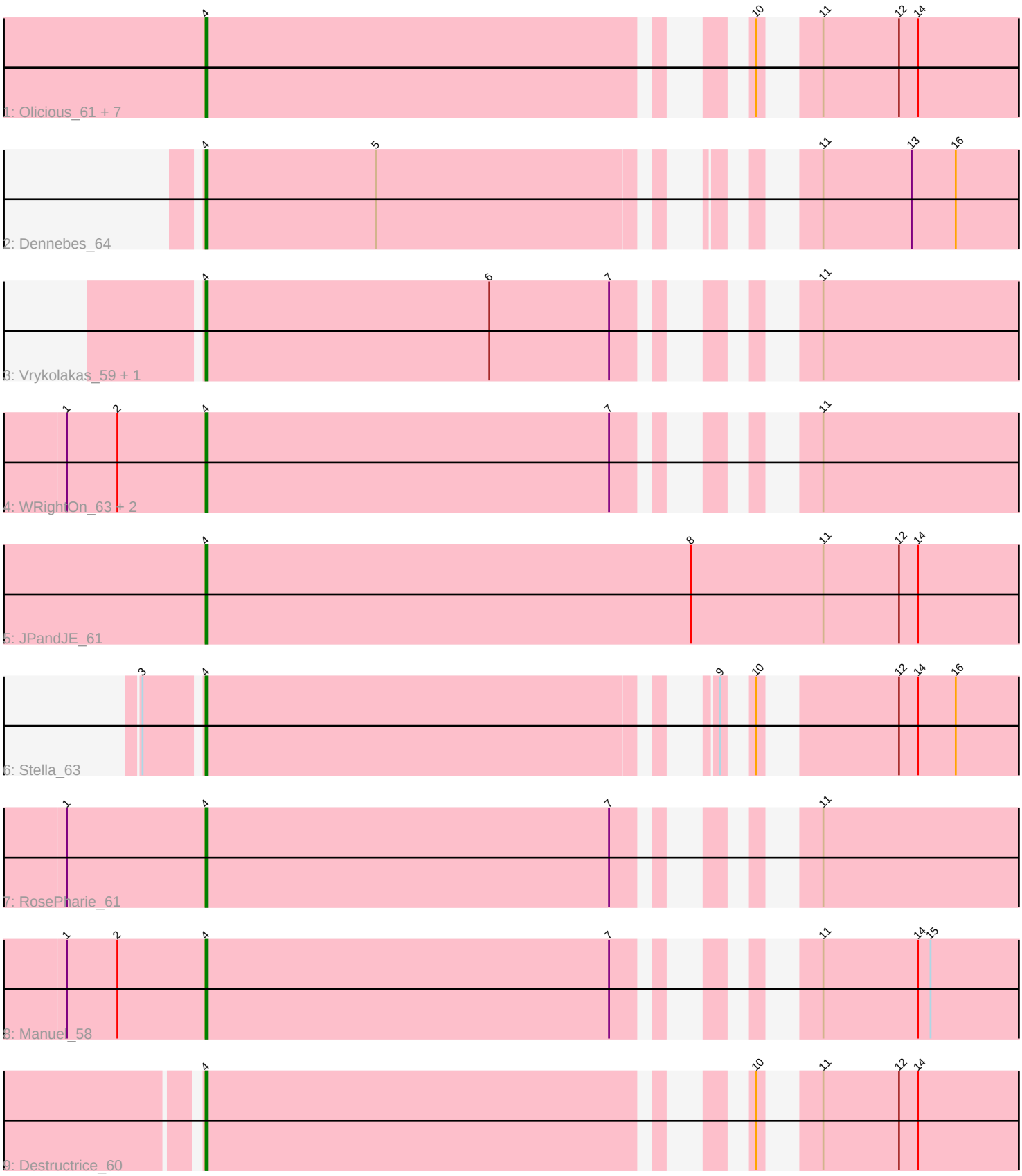
Pham 348073


4
10
11
12
14
1: Olicious_61 + 7
4
5
11
13
16
2: Dennebes_64
4
6
7
11
3: Vrykolakas_59 + 1
1
2
4
7
11
4: WRightOn_63 + 2
4
8
11
12
14
5: JPandJE_61
3
4
9
10
12
14
16
6: Stella_63
1
4
7
11
7: RosePharie_61
1
2
4
7
11
14
15
8: Manuel_58
4
10
11
12
14
9: Destructrice_60

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 348073 Report

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

Pham number 348073 has 19 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Olicious_61, Immanuel3_60, Romero_61, Percastrophe_61, ZooBear_61, ToriToki_61, Treat_61, HaugeAnator_61
• Track 2 : Dennebes_64
• Track 3 : Vrykolakas_59, Gremlin23_59
• Track 4 : WRightOn_63, Kumquat_59, Zeigle_59
• Track 5 : JPandJE_61
• Track 6 : Stella_63
• Track 7 : RosePharie_61
• Track 8 : Manuel_58
• Track 9 : Destructrice_60

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

The start number called the most often in the published annotations is 4, it was called in 19 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dennebes_64, Destructrice_60, Gremlin23_59, HaugeAnator_61, Immanuel3_60, JPandJE_61, Kumquat_59, Manuel_58, Olicious_61, Percastrophe_61, Romero_61, RosePharie_61, Stella_63, ToriToki_61, Treat_61, Vrykolakas_59, WRightOn_63, Zeigle_59, ZooBear_61,

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

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

Summary by start number:

Start 4:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 19 of 19
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Dennebes_64 (BF), Destructrice_60 (BF), Gremlin23_59 (BF), HaugeAnator_61 (BF), Immanuel3_60 (BF), JPandJE_61 (BF), Kumquat_59 (BF), Manuel_58 (BF), Olicious_61 (BF), Percastrophe_61 (BF), Romero_61 (BF), RosePharie_61 (BF), Stella_63 (BF), ToriToki_61 (BF), Treat_61 (BF), Vrykolakas_59 (BF), WRightOn_63 (BF), Zeigle_59 (BF), ZooBear_61 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:
•Start number 4 was manually annotated 19 times for cluster BF.

Gene Information:

Gene: Dennebes_64 Start: 31702, Stop: 31352, Start Num: 4
Candidate Starts for Dennebes_64:
(Start: 4 @31702 has 19 MA's), (5, 31621), (11, 31465), (13, 31423), (16, 31402),

Gene: Destructrice_60 Start: 31598, Stop: 31254, Start Num: 4
Candidate Starts for Destructrice_60:
(Start: 4 @31598 has 19 MA's), (10, 31373), (11, 31358), (12, 31322), (14, 31313),

Gene: Gremlin23_59 Start: 31138, Stop: 30782, Start Num: 4
Candidate Starts for Gremlin23_59:
(Start: 4 @31138 has 19 MA's), (6, 31003), (7, 30946), (11, 30898),

Gene: HaugeAnator_61 Start: 31665, Stop: 31324, Start Num: 4
Candidate Starts for HaugeAnator_61:
(Start: 4 @31665 has 19 MA's), (10, 31440), (11, 31425), (12, 31389), (14, 31380),

Gene: Immanuel3_60 Start: 31668, Stop: 31327, Start Num: 4
Candidate Starts for Immanuel3_60:
(Start: 4 @31668 has 19 MA's), (10, 31443), (11, 31428), (12, 31392), (14, 31383),

Gene: JPandJE_61 Start: 32184, Stop: 31789, Start Num: 4
Candidate Starts for JPandJE_61:
(Start: 4 @32184 has 19 MA's), (8, 31953), (11, 31890), (12, 31854), (14, 31845),

Gene: Kumquat_59 Start: 31123, Stop: 30773, Start Num: 4
Candidate Starts for Kumquat_59:
(1, 31189), (2, 31165), (Start: 4 @31123 has 19 MA's), (7, 30931), (11, 30883),

Gene: Manuel_58 Start: 31424, Stop: 31080, Start Num: 4
Candidate Starts for Manuel_58:
(1, 31490), (2, 31466), (Start: 4 @31424 has 19 MA's), (7, 31232), (11, 31184), (14, 31139), (15, 31133),

Gene: Olicious_61 Start: 31665, Stop: 31324, Start Num: 4
Candidate Starts for Olicious_61:
(Start: 4 @31665 has 19 MA's), (10, 31440), (11, 31425), (12, 31389), (14, 31380),

Gene: Percastrophe_61 Start: 31599, Stop: 31258, Start Num: 4
Candidate Starts for Percastrophe_61:
(Start: 4 @31599 has 19 MA's), (10, 31374), (11, 31359), (12, 31323), (14, 31314),

Gene: Romero_61 Start: 31658, Stop: 31317, Start Num: 4
Candidate Starts for Romero_61:
(Start: 4 @31658 has 19 MA's), (10, 31433), (11, 31418), (12, 31382), (14, 31373),

Gene: RosePharie_61 Start: 31485, Stop: 31126, Start Num: 4
Candidate Starts for RosePharie_61:
(1, 31551), (Start: 4 @31485 has 19 MA's), (7, 31293), (11, 31245),

Gene: Stella_63 Start: 32170, Stop: 31820, Start Num: 4
Candidate Starts for Stella_63:
(3, 32194), (Start: 4 @32170 has 19 MA's), (9, 31954), (10, 31948), (12, 31897), (14, 31888), (16, 31870),

Gene: ToriToki_61 Start: 31661, Stop: 31320, Start Num: 4
Candidate Starts for ToriToki_61:
(Start: 4 @31661 has 19 MA's), (10, 31436), (11, 31421), (12, 31385), (14, 31376),

Gene: Treat_61 Start: 31602, Stop: 31261, Start Num: 4
Candidate Starts for Treat_61:
(Start: 4 @31602 has 19 MA's), (10, 31377), (11, 31362), (12, 31326), (14, 31317),

Gene: Vrykolakas_59 Start: 31137, Stop: 30781, Start Num: 4
Candidate Starts for Vrykolakas_59:
(Start: 4 @31137 has 19 MA's), (6, 31002), (7, 30945), (11, 30897),

Gene: WRightOn_63 Start: 31279, Stop: 30929, Start Num: 4
Candidate Starts for WRightOn_63:
(1, 31345), (2, 31321), (Start: 4 @31279 has 19 MA's), (7, 31087), (11, 31039),

Gene: Zeigle_59 Start: 31123, Stop: 30773, Start Num: 4
Candidate Starts for Zeigle_59:
(1, 31189), (2, 31165), (Start: 4 @31123 has 19 MA's), (7, 30931), (11, 30883),

Gene: ZooBear_61 Start: 31665, Stop: 31324, Start Num: 4
Candidate Starts for ZooBear_61:
(Start: 4 @31665 has 19 MA's), (10, 31440), (11, 31425), (12, 31389), (14, 31380),