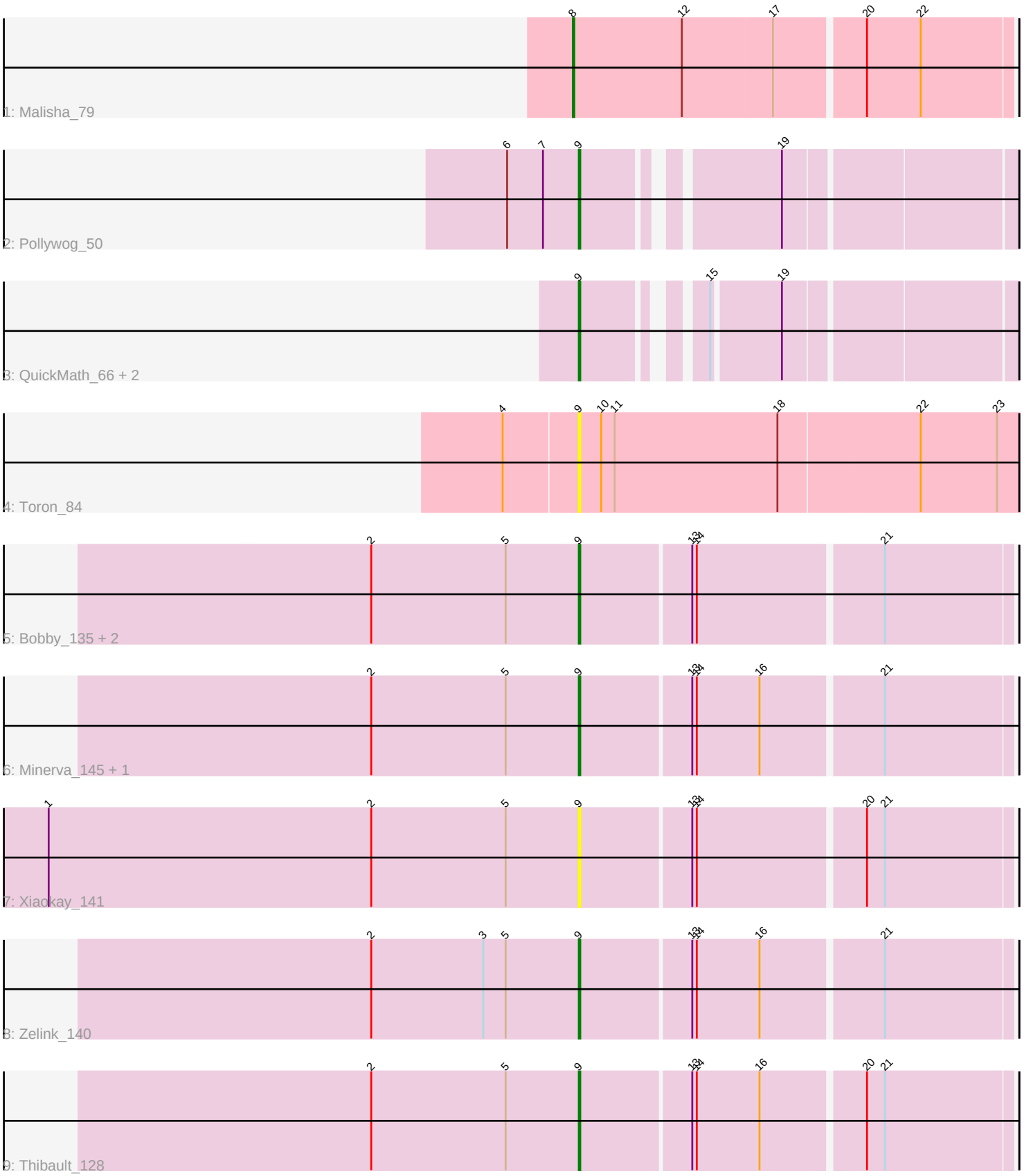
Pham 348169


8
12
17
20
22
1: Malisha_79
6
7
9
19
2: Pollywog_50
9
15
19
3: QuickMath_66 + 2
4
9
10
11
18
22
23
4: Toron_84
2
5
9
13
14
21
5: Bobby_135 + 2
2
5
9
13
14
16
21
6: Minerva_145 + 1
1
2
5
9
13
14
20
21
7: Xiaokay_141
2
3
5
9
13
14
16
21
8: Zelink_140
2
5
9
13
14
16
20
21
9: Thibault_128

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 348169 Report

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

Pham number 348169 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Malisha_79
• Track 2 : Pollywog_50
• Track 3 : QuickMath_66, MulchExplorer_66, Kimberlium_67
• Track 4 : Toron_84
• Track 5 : Bobby_135, Hidrated_129, Marleymoo_128
• Track 6 : Minerva_145, Wanda_145
• Track 7 : Xiaokay_141
• Track 8 : Zelink_140
• Track 9 : Thibault_128

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

The start number called the most often in the published annotations is 9, it was called in 10 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bobby_135, Hidrated_129, Kimberlium_67, Marleymoo_128, Minerva_145, MulchExplorer_66, Pollywog_50, QuickMath_66, Thibault_128, Toron_84, Wanda_145, Xiaokay_141, Zelink_140,

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

Genes that do not have the "Most Annotated" start:
• Malisha_79,

Summary by start number:

Start 8:
• Found in 1 of 14 (7.1%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Malisha_79 (DN),

Start 9:
• Found in 13 of 14 (92.9%) of genes in pham
• Manual Annotations of this start: 10 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bobby_135 (J), Hidrated_129 (J), Kimberlium_67 (F1), Marleymoo_128 (J), Minerva_145 (J), MulchExplorer_66 (F1), Pollywog_50 (F1), QuickMath_66 (F1), Thibault_128 (J), Toron_84 (F6), Wanda_145 (J), Xiaokay_141 (J), Zelink_140 (J),

Summary by clusters:

There are 4 clusters represented in this pham: DN, F1, J, F6,

Info for manual annotations of cluster DN:
•Start number 8 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster F1:
•Start number 9 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster J:
•Start number 9 was manually annotated 6 times for cluster J.

Gene Information:

Gene: Bobby_135 Start: 77882, Stop: 78160, Start Num: 9
Candidate Starts for Bobby_135:
(2, 77747), (5, 77837), (Start: 9 @77882 has 10 MA's), (13, 77954), (14, 77957), (21, 78077),

Gene: Hidrated_129 Start: 76215, Stop: 76493, Start Num: 9
Candidate Starts for Hidrated_129:
(2, 76080), (5, 76170), (Start: 9 @76215 has 10 MA's), (13, 76287), (14, 76290), (21, 76410),

Gene: Kimberlium_67 Start: 43095, Stop: 43343, Start Num: 9
Candidate Starts for Kimberlium_67:
(Start: 9 @43095 has 10 MA's), (15, 43158), (19, 43200),

Gene: Malisha_79 Start: 48584, Stop: 48868, Start Num: 8
Candidate Starts for Malisha_79:
(Start: 8 @48584 has 1 MA's), (12, 48656), (17, 48716), (20, 48773), (22, 48809),

Gene: Marleymoo_128 Start: 73628, Stop: 73906, Start Num: 9
Candidate Starts for Marleymoo_128:
(2, 73493), (5, 73583), (Start: 9 @73628 has 10 MA's), (13, 73700), (14, 73703), (21, 73823),

Gene: Minerva_145 Start: 76838, Stop: 77116, Start Num: 9
Candidate Starts for Minerva_145:
(2, 76703), (5, 76793), (Start: 9 @76838 has 10 MA's), (13, 76910), (14, 76913), (16, 76955), (21, 77033),

Gene: MulchExplorer_66 Start: 43094, Stop: 43342, Start Num: 9

Candidate Starts for MulchExplorer_66:
(Start: 9 @43094 has 10 MA's), (15, 43157), (19, 43199),

Gene: Pollywog_50 Start: 37066, Stop: 37320, Start Num: 9
Candidate Starts for Pollywog_50:
(6, 37018), (7, 37042), (Start: 9 @37066 has 10 MA's), (19, 37177),

Gene: QuickMath_66 Start: 43318, Stop: 43566, Start Num: 9
Candidate Starts for QuickMath_66:
(Start: 9 @43318 has 10 MA's), (15, 43381), (19, 43423),

Gene: Thibault_128 Start: 74023, Stop: 74301, Start Num: 9
Candidate Starts for Thibault_128:
(2, 73888), (5, 73978), (Start: 9 @74023 has 10 MA's), (13, 74095), (14, 74098), (16, 74140), (20, 74206), (21, 74218),

Gene: Toron_84 Start: 50886, Stop: 51176, Start Num: 9
Candidate Starts for Toron_84:
(4, 50841), (Start: 9 @50886 has 10 MA's), (10, 50901), (11, 50910), (18, 51018), (22, 51111), (23, 51162),

Gene: Wanda_145 Start: 75318, Stop: 75596, Start Num: 9
Candidate Starts for Wanda_145:
(2, 75183), (5, 75273), (Start: 9 @75318 has 10 MA's), (13, 75390), (14, 75393), (16, 75435), (21, 75513),

Gene: Xiaokay_141 Start: 77151, Stop: 77429, Start Num: 9
Candidate Starts for Xiaokay_141:
(1, 76800), (2, 77016), (5, 77106), (Start: 9 @77151 has 10 MA's), (13, 77223), (14, 77226), (20, 77334), (21, 77346),

Gene: Zelink_140 Start: 78130, Stop: 78408, Start Num: 9
Candidate Starts for Zelink_140:
(2, 77995), (3, 78070), (5, 78085), (Start: 9 @78130 has 10 MA's), (13, 78202), (14, 78205), (16, 78247), (21, 78325),