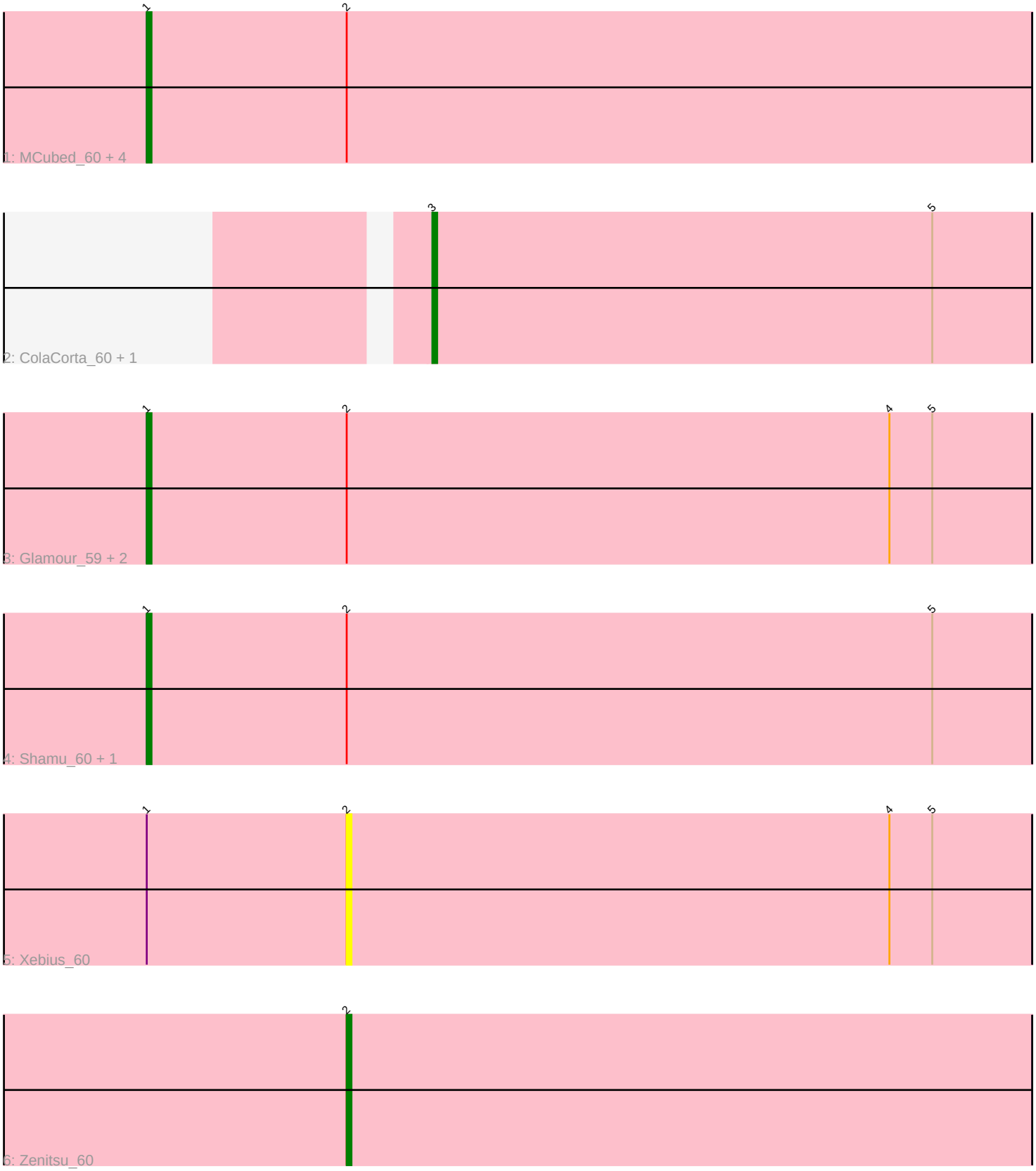
# Pham 338614


1
2
1: MCubed_60 + 4
3
5
2: ColaCorta_60 + 1
1
2
4
5
3: Glamour_59 + 2
1
2
5
4: Shamu_60 + 1
1
2
4
5
5: Xebius_60
2
6: Zenitsu_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 338614 Report

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

Pham number 338614 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : MCubed_60, ChikPic_60, Phanita_61, Sansa_58, Saratos_60
• Track 2 : ColaCorta_60, Andromedas_60
• Track 3 : Glamour_59, Eleri_60, PSirce_60
• Track 4 : Shamu_60, Orpington_59
• Track 5 : Xebius_60
• Track 6 : Zenitsu_60

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

The start number called the most often in the published annotations is 1, it was called in 10 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• ChikPic_60, Eleri_60, Glamour_59, MCubed_60, Orpington_59, PSirce_60, Phanita_61, Sansa_58, Saratos_60, Shamu_60,

Genes that have the "Most Annotated" start but do not call it:
• Xebius_60,

Genes that do not have the "Most Annotated" start:
• Andromedas_60, ColaCorta_60, Zenitsu_60,

**Summary by start number:**

Start 1:
• Found in 11 of 14 ( 78.6% ) of genes in pham
• Manual Annotations of this start: 10 of 13
• Called 90.9% of time when present
• Phage (with cluster) where this start called: ChikPic_60 (EA2), Eleri_60 (EA2), Glamour_59 (EA2), MCubed_60 (EA2), Orpington_59 (EA2), PSirce_60 (EA2), Phanita_61 (EA2), Sansa_58 (EA2), Saratos_60 (EA2), Shamu_60 (EA2),

Start 2:
• Found in 12 of 14 ( 85.7% ) of genes in pham

• Manual Annotations of this start: 1 of 13
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Xebius_60 (EA2), Zenitsu_60 (EA2),

Start 3:
• Found in 2 of 14 ( 14.3% ) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Andromedas_60 (EA2), ColaCorta_60 (EA2),

**Summary by clusters:**

There is one cluster represented in this pham: EA2

Info for manual annotations of cluster EA2:
•Start number 1 was manually annotated 10 times for cluster EA2.
•Start number 2 was manually annotated 1 time for cluster EA2.
•Start number 3 was manually annotated 2 times for cluster EA2.

***Gene Information:***

Gene: Andromedas_60 Start: 38913, Stop: 38788, Start Num: 3
Candidate Starts for Andromedas_60:
(Start: 3 @38913 has 2 MA's), (5, 38808),

Gene: ChikPic_60 Start: 38782, Stop: 38597, Start Num: 1
Candidate Starts for ChikPic_60:
(Start: 1 @38782 has 10 MA's), (Start: 2 @38740 has 1 MA's),

Gene: ColaCorta_60 Start: 38913, Stop: 38788, Start Num: 3
Candidate Starts for ColaCorta_60:
(Start: 3 @38913 has 2 MA's), (5, 38808),

Gene: Eleri_60 Start: 38818, Stop: 38633, Start Num: 1
Candidate Starts for Eleri_60:
(Start: 1 @38818 has 10 MA's), (Start: 2 @38776 has 1 MA's), (4, 38662), (5, 38653),

Gene: Glamour_59 Start: 38676, Stop: 38491, Start Num: 1
Candidate Starts for Glamour_59:
(Start: 1 @38676 has 10 MA's), (Start: 2 @38634 has 1 MA's), (4, 38520), (5, 38511),

Gene: MCubed_60 Start: 38834, Stop: 38649, Start Num: 1
Candidate Starts for MCubed_60:
(Start: 1 @38834 has 10 MA's), (Start: 2 @38792 has 1 MA's),

Gene: Orpington_59 Start: 38691, Stop: 38506, Start Num: 1
Candidate Starts for Orpington_59:
(Start: 1 @38691 has 10 MA's), (Start: 2 @38649 has 1 MA's), (5, 38526),

Gene: PSirce_60 Start: 38971, Stop: 38786, Start Num: 1

Candidate Starts for PSirce_60:
(Start: 1 @38971 has 10 MA's), (Start: 2 @38929 has 1 MA's), (4, 38815), (5, 38806),

Gene: Phanita_61 Start: 38744, Stop: 38559, Start Num: 1
Candidate Starts for Phanita_61:
(Start: 1 @38744 has 10 MA's), (Start: 2 @38702 has 1 MA's),

Gene: Sansa_58 Start: 38758, Stop: 38573, Start Num: 1
Candidate Starts for Sansa_58:
(Start: 1 @38758 has 10 MA's), (Start: 2 @38716 has 1 MA's),

Gene: Saratos_60 Start: 38802, Stop: 38617, Start Num: 1
Candidate Starts for Saratos_60:
(Start: 1 @38802 has 10 MA's), (Start: 2 @38760 has 1 MA's),

Gene: Shamu_60 Start: 38691, Stop: 38506, Start Num: 1
Candidate Starts for Shamu_60:
(Start: 1 @38691 has 10 MA's), (Start: 2 @38649 has 1 MA's), (5, 38526),

Gene: Xebius_60 Start: 38763, Stop: 38620, Start Num: 2
Candidate Starts for Xebius_60:
(Start: 1 @38805 has 10 MA's), (Start: 2 @38763 has 1 MA's), (4, 38649), (5, 38640),

Gene: Zenitsu_60 Start: 38797, Stop: 38654, Start Num: 2
Candidate Starts for Zenitsu_60:
(Start: 2 @38797 has 1 MA's),