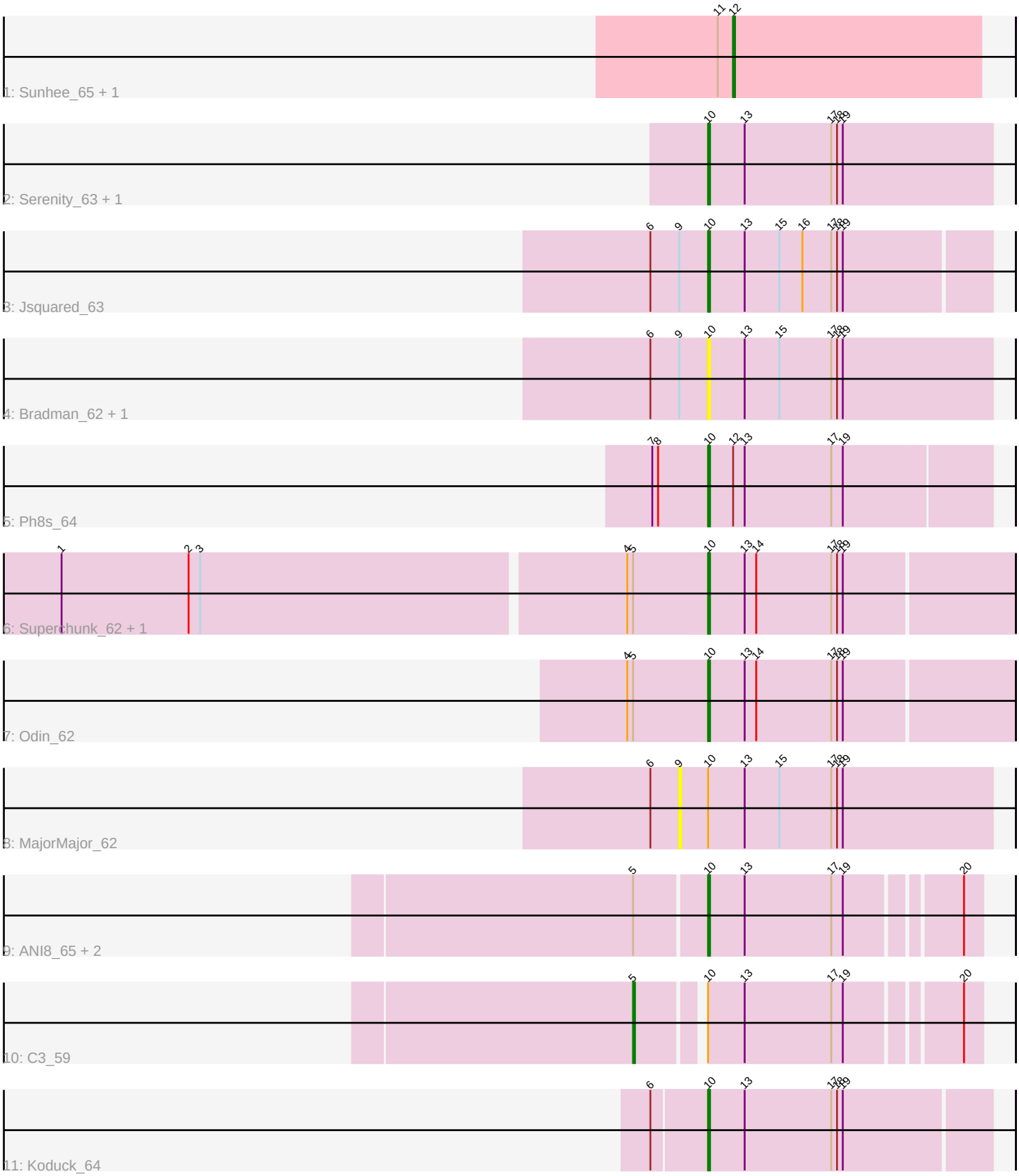
Pham 348112


1: Sunhee_65 + 1
2: Serenity_63 + 1
3: Jsquared_63
4: Bradman_62 + 1
5: Ph8s_64
6: Superchunk_62 + 1
7: Odin_62
8: MajorMajor_62
9: ANI8_65 + 2
10: C3_59
11: Koduck_64

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 348112 Report

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

Pham number 348112 has 17 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Sunhee_65, Gail_64
• Track 2 : Serenity_63, TipsytheTRex_60
• Track 3 : Jsquared_63
• Track 4 : Bradman_62, Quokka_61
• Track 5 : Ph8s_64
• Track 6 : Superchunk_62, Caraxes_62
• Track 7 : Odin_62
• Track 8 : MajorMajor_62
• Track 9 : ANI8_65, AN9_65, VC3_65
• Track 10 : C3_59
• Track 11 : Koduck_64

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

The start number called the most often in the published annotations is 10, it was called in 11 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AN9_65, ANI8_65, Bradman_62, Caraxes_62, Jsquared_63, Koduck_64, Odin_62, Ph8s_64, Quokka_61, Serenity_63, Superchunk_62, TipsytheTRex_60, VC3_65,

Genes that have the "Most Annotated" start but do not call it:
• C3_59, MajorMajor_62,

Genes that do not have the "Most Annotated" start:
• Gail_64, Sunhee_65,

Summary by start number:

Start 5:
• Found in 7 of 17 (41.2%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 14.3% of time when present
• Phage (with cluster) where this start called: C3_59 (A2),

Start 9:
• Found in 4 of 17 (23.5%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: MajorMajor_62 (A2),

Start 10:
• Found in 15 of 17 (88.2%) of genes in pham
• Manual Annotations of this start: 11 of 14
• Called 86.7% of time when present
• Phage (with cluster) where this start called: AN9_65 (A2), ANI8_65 (A2), Bradman_62 (A2), Caraxes_62 (A2), Jsquared_63 (A2), Koduck_64 (A2), Odin_62 (A2), Ph8s_64 (A2), Quokka_61 (A2), Serenity_63 (A2), Superchunk_62 (A2), TipsytheTRex_60 (A2), VC3_65 (A2),

Start 12:
• Found in 3 of 17 (17.6%) of genes in pham
• Manual Annotations of this start: 2 of 14
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Gail_64 (A14), Sunhee_65 (A14),

Summary by clusters:

There are 2 clusters represented in this pham: A14, A2,

Info for manual annotations of cluster A14:
•Start number 12 was manually annotated 2 times for cluster A14.

Info for manual annotations of cluster A2:
•Start number 5 was manually annotated 1 time for cluster A2.
•Start number 10 was manually annotated 11 times for cluster A2.

Gene Information:

Gene: AN9_65 Start: 40106, Stop: 39975, Start Num: 10
Candidate Starts for AN9_65:
(Start: 5 @40136 has 1 MA's), (Start: 10 @40106 has 11 MA's), (13, 40088), (17, 40043), (19, 40037), (20, 39983),

Gene: ANI8_65 Start: 40106, Stop: 39975, Start Num: 10
Candidate Starts for ANI8_65:
(Start: 5 @40136 has 1 MA's), (Start: 10 @40106 has 11 MA's), (13, 40088), (17, 40043), (19, 40037), (20, 39983),

Gene: Bradman_62 Start: 39200, Stop: 39054, Start Num: 10
Candidate Starts for Bradman_62:
(6, 39230), (9, 39215), (Start: 10 @39200 has 11 MA's), (13, 39182), (15, 39164), (17, 39137), (18, 39134), (19, 39131),

Gene: C3_59 Start: 40136, Stop: 39975, Start Num: 5

Candidate Starts for C3_59:
(Start: 5 @40136 has 1 MA's), (Start: 10 @40106 has 11 MA's), (13, 40088), (17, 40043), (19, 40037), (20, 39983),

Gene: Caraxes_62 Start: 38676, Stop: 38521, Start Num: 10
Candidate Starts for Caraxes_62:
(1, 39000), (2, 38934), (3, 38928), (4, 38712), (Start: 5 @38709 has 1 MA's), (Start: 10 @38676 has 11 MA's), (13, 38658), (14, 38652), (17, 38613), (18, 38610), (19, 38607),

Gene: Gail_64 Start: 40781, Stop: 40653, Start Num: 12
Candidate Starts for Gail_64:
(11, 40787), (Start: 12 @40781 has 2 MA's),

Gene: Jsquared_63 Start: 39358, Stop: 39215, Start Num: 10
Candidate Starts for Jsquared_63:
(6, 39388), (9, 39373), (Start: 10 @39358 has 11 MA's), (13, 39340), (15, 39322), (16, 39310), (17, 39295), (18, 39292), (19, 39289),

Gene: Koduck_64 Start: 39295, Stop: 39152, Start Num: 10
Candidate Starts for Koduck_64:
(6, 39316), (Start: 10 @39295 has 11 MA's), (13, 39277), (17, 39232), (18, 39229), (19, 39226),

Gene: MajorMajor_62 Start: 39215, Stop: 39054, Start Num: 9
Candidate Starts for MajorMajor_62:
(6, 39230), (9, 39215), (Start: 10 @39200 has 11 MA's), (13, 39182), (15, 39164), (17, 39137), (18, 39134), (19, 39131),

Gene: Odin_62 Start: 39060, Stop: 38905, Start Num: 10
Candidate Starts for Odin_62:
(4, 39096), (Start: 5 @39093 has 1 MA's), (Start: 10 @39060 has 11 MA's), (13, 39042), (14, 39036), (17, 38997), (18, 38994), (19, 38991),

Gene: Ph8s_64 Start: 39243, Stop: 39100, Start Num: 10
Candidate Starts for Ph8s_64:
(7, 39267), (8, 39264), (Start: 10 @39243 has 11 MA's), (Start: 12 @39231 has 2 MA's), (13, 39225), (17, 39180), (19, 39174),

Gene: Quokka_61 Start: 39200, Stop: 39054, Start Num: 10
Candidate Starts for Quokka_61:
(6, 39230), (9, 39215), (Start: 10 @39200 has 11 MA's), (13, 39182), (15, 39164), (17, 39137), (18, 39134), (19, 39131),

Gene: Serenity_63 Start: 39413, Stop: 39267, Start Num: 10
Candidate Starts for Serenity_63:
(Start: 10 @39413 has 11 MA's), (13, 39395), (17, 39350), (18, 39347), (19, 39344),

Gene: Sunhee_65 Start: 39237, Stop: 39109, Start Num: 12
Candidate Starts for Sunhee_65:
(11, 39243), (Start: 12 @39237 has 2 MA's),

Gene: Superchunk_62 Start: 38676, Stop: 38521, Start Num: 10
Candidate Starts for Superchunk_62:

(1, 39000), (2, 38934), (3, 38928), (4, 38712), (Start: 5 @38709 has 1 MA's), (Start: 10 @38676 has 11 MA's), (13, 38658), (14, 38652), (17, 38613), (18, 38610), (19, 38607),

Gene: TipsytheTRex_60 Start: 39483, Stop: 39337, Start Num: 10
Candidate Starts for TipsytheTRex_60:
(Start: 10 @39483 has 11 MA's), (13, 39465), (17, 39420), (18, 39417), (19, 39414),

Gene: VC3_65 Start: 40106, Stop: 39975, Start Num: 10
Candidate Starts for VC3_65:
(Start: 5 @40136 has 1 MA's), (Start: 10 @40106 has 11 MA's), (13, 40088), (17, 40043), (19, 40037), (20, 39983),