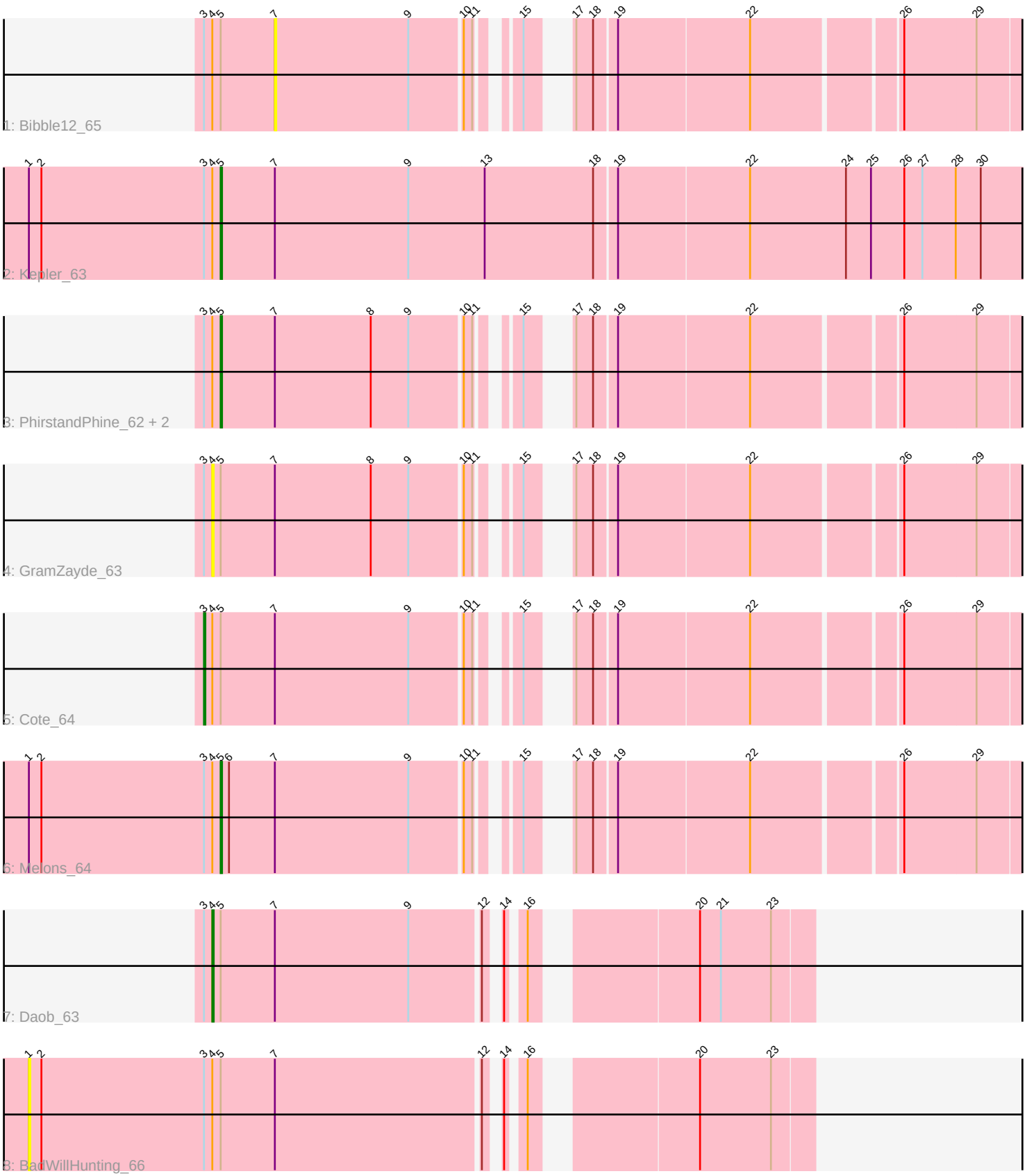
Pham 348270


1: Bibble12_65
2: Kepler_63
3: PhirstandPhine_62 + 2
4: GramZayde_63
5: Cote_64
6: Melons_64
7: Daob_63
8: BadWillHunting_66

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 348270 Report

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

Pham number 348270 has 10 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Bibble12_65
• Track 2 : Kepler_63
• Track 3 : PhirstandPhine_62, Lunar_63, Coral_61
• Track 4 : GramZayde_63
• Track 5 : Cote_64
• Track 6 : Melons_64
• Track 7 : Daob_63
• Track 8 : BadWillHunting_66

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Coral_61, Kepler_63, Lunar_63, Melons_64, PhirstandPhine_62,

Genes that have the "Most Annotated" start but do not call it:
• BadWillHunting_66, Bibble12_65, Cote_64, Daob_63, GramZayde_63,

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

Summary by start number:

Start 1:
• Found in 3 of 10 (30.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: BadWillHunting_66 (AS2),

Start 3:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7

• Called 10.0% of time when present
• Phage (with cluster) where this start called: Cote_64 (AS2),

Start 4:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Daob_63 (AS2), GramZayde_63 (AS2),

Start 5:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Coral_61 (AS2), Kepler_63 (AS2), Lunar_63 (AS2), Melons_64 (AS2), PhirstandPhine_62 (AS2),

Start 7:
• Found in 10 of 10 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Bibble12_65 (AS2),

Summary by clusters:

There is one cluster represented in this pham: AS2

Info for manual annotations of cluster AS2:
•Start number 3 was manually annotated 1 time for cluster AS2.
•Start number 4 was manually annotated 1 time for cluster AS2.
•Start number 5 was manually annotated 5 times for cluster AS2.

Gene Information:

Gene: BadWillHunting_66 Start: 34874, Stop: 35389, Start Num: 1
Candidate Starts for BadWillHunting_66:
(1, 34874), (2, 34883), (Start: 3 @35000 has 1 MA's), (Start: 4 @35006 has 1 MA's), (Start: 5 @35012 has 5 MA's), (7, 35051), (12, 35195), (14, 35201), (16, 35210), (20, 35309), (23, 35360),

Gene: Bibble12_65 Start: 35179, Stop: 35649, Start Num: 7
Candidate Starts for Bibble12_65:
(Start: 3 @35128 has 1 MA's), (Start: 4 @35134 has 1 MA's), (Start: 5 @35140 has 5 MA's), (7, 35179), (9, 35275), (10, 35311), (11, 35317), (15, 35335), (17, 35350), (18, 35362), (19, 35377), (22, 35470), (26, 35569), (29, 35620),

Gene: Coral_61 Start: 35047, Stop: 35556, Start Num: 5
Candidate Starts for Coral_61:
(Start: 3 @35035 has 1 MA's), (Start: 4 @35041 has 1 MA's), (Start: 5 @35047 has 5 MA's), (7, 35086), (8, 35155), (9, 35182), (10, 35218), (11, 35224), (15, 35242), (17, 35257), (18, 35269), (19, 35284), (22, 35377), (26, 35476), (29, 35527),

Gene: Cote_64 Start: 35471, Stop: 35992, Start Num: 3

Candidate Starts for Cote_64:
(Start: 3 @35471 has 1 MA's), (Start: 4 @35477 has 1 MA's), (Start: 5 @35483 has 5 MA's), (7, 35522), (9, 35618), (10, 35654), (11, 35660), (15, 35678), (17, 35693), (18, 35705), (19, 35720), (22, 35813), (26, 35912), (29, 35963),

Gene: Daob_63 Start: 35485, Stop: 35868, Start Num: 4
Candidate Starts for Daob_63:
(Start: 3 @35479 has 1 MA's), (Start: 4 @35485 has 1 MA's), (Start: 5 @35491 has 5 MA's), (7, 35530), (9, 35626), (12, 35674), (14, 35680), (16, 35689), (20, 35788), (21, 35803), (23, 35839),

Gene: GramZayde_63 Start: 35313, Stop: 35828, Start Num: 4
Candidate Starts for GramZayde_63:
(Start: 3 @35307 has 1 MA's), (Start: 4 @35313 has 1 MA's), (Start: 5 @35319 has 5 MA's), (7, 35358), (8, 35427), (9, 35454), (10, 35490), (11, 35496), (15, 35514), (17, 35529), (18, 35541), (19, 35556), (22, 35649), (26, 35748), (29, 35799),

Gene: Kepler_63 Start: 35261, Stop: 35872, Start Num: 5
Candidate Starts for Kepler_63:
(1, 35123), (2, 35132), (Start: 3 @35249 has 1 MA's), (Start: 4 @35255 has 1 MA's), (Start: 5 @35261 has 5 MA's), (7, 35300), (9, 35396), (13, 35450), (18, 35528), (19, 35543), (22, 35636), (24, 35705), (25, 35723), (26, 35747), (27, 35759), (28, 35783), (30, 35801),

Gene: Lunar_63 Start: 35170, Stop: 35679, Start Num: 5
Candidate Starts for Lunar_63:
(Start: 3 @35158 has 1 MA's), (Start: 4 @35164 has 1 MA's), (Start: 5 @35170 has 5 MA's), (7, 35209), (8, 35278), (9, 35305), (10, 35341), (11, 35347), (15, 35365), (17, 35380), (18, 35392), (19, 35407), (22, 35500), (26, 35599), (29, 35650),

Gene: Melons_64 Start: 35328, Stop: 35837, Start Num: 5
Candidate Starts for Melons_64:
(1, 35190), (2, 35199), (Start: 3 @35316 has 1 MA's), (Start: 4 @35322 has 1 MA's), (Start: 5 @35328 has 5 MA's), (6, 35334), (7, 35367), (9, 35463), (10, 35499), (11, 35505), (15, 35523), (17, 35538), (18, 35550), (19, 35565), (22, 35658), (26, 35757), (29, 35808),

Gene: PhirstandPhine_62 Start: 35130, Stop: 35639, Start Num: 5
Candidate Starts for PhirstandPhine_62:
(Start: 3 @35118 has 1 MA's), (Start: 4 @35124 has 1 MA's), (Start: 5 @35130 has 5 MA's), (7, 35169), (8, 35238), (9, 35265), (10, 35301), (11, 35307), (15, 35325), (17, 35340), (18, 35352), (19, 35367), (22, 35460), (26, 35559), (29, 35610),