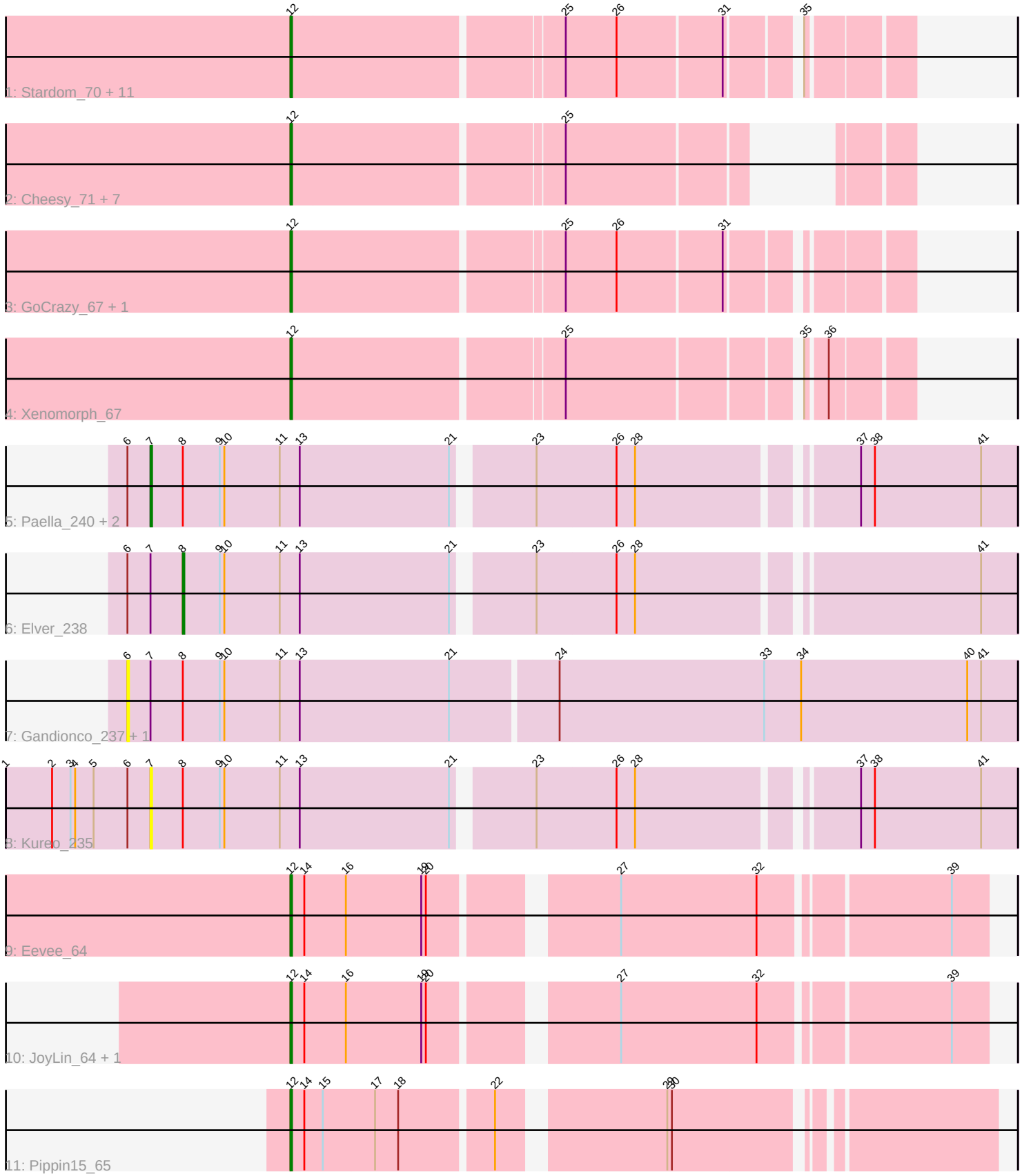
Pham 347865


1: Stardom_70 + 11
2: Cheesy_71 + 7
3: GoCrazy_67 + 1
4: Xenomorph_67
5: Paella_240 + 2
6: Elver_238
7: Gandionco_237 + 1
8: Kureo_235
9: Eevee_64
10: JoyLin_64 + 1
11: Pippin15_65

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 347865 Report

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

Pham number 347865 has 34 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Stardom_70, Dynamite_70, Hankly_70, Bowling_72, Circum_72, Heisenberger_69, Benllo_68, JEGGS_69, Mudcat_66, NapoleonB_71, YoshiYama_72, BenitoAntonio_69
• Track 2 : Cheesy_71, Mooshroom_71, Correa_69, Elsa_70, Arcadia_70, Tribby_74, Kardesai_70, Nason_70
• Track 3 : GoCrazy_67, KeaneyLin_66
• Track 4 : Xenomorph_67
• Track 5 : Paella_240, Qui_239, JeNeSaisPas_240
• Track 6 : Elver_238
• Track 7 : Gandionco_237, Marianna39_237
• Track 8 : Kureo_235
• Track 9 : Eevee_64
• Track 10 : JoyLin_64, Yotsuba_64
• Track 11 : Pippin15_65

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

The start number called the most often in the published annotations is 12, it was called in 25 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_70, BenitoAntonio_69, Benllo_68, Bowling_72, Cheesy_71, Circum_72, Correa_69, Dynamite_70, Eevee_64, Elsa_70, GoCrazy_67, Hankly_70, Heisenberger_69, JEGGS_69, JoyLin_64, Kardesai_70, KeaneyLin_66, Mooshroom_71, Mudcat_66, NapoleonB_71, Nason_70, Pippin15_65, Stardom_70, Tribby_74, Xenomorph_67, YoshiYama_72, Yotsuba_64,

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

Genes that do not have the "Most Annotated" start:
• Elver_238, Gandionco_237, JeNeSaisPas_240, Kureo_235, Marianna39_237, Paella_240, Qui_239,

Summary by start number:

Start 6:
• Found in 7 of 34 (20.6%) of genes in pham
• No Manual Annotations of this start.
• Called 28.6% of time when present
• Phage (with cluster) where this start called: Gandionco_237 (FK), Marianna39_237 (FK),

Start 7:
• Found in 7 of 34 (20.6%) of genes in pham
• Manual Annotations of this start: 3 of 29
• Called 57.1% of time when present
• Phage (with cluster) where this start called: JeNeSaisPas_240 (FK), Kureo_235 (FK), Paella_240 (FK), Qui_239 (FK),

Start 8:
• Found in 7 of 34 (20.6%) of genes in pham
• Manual Annotations of this start: 1 of 29
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Elver_238 (FK),

Start 12:
• Found in 27 of 34 (79.4%) of genes in pham
• Manual Annotations of this start: 25 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arcadia_70 (AM), BenitoAntonio_69 (AM), Benllo_68 (AM), Bowling_72 (AM), Cheesy_71 (AM), Circum_72 (AM), Correa_69 (AM), Dynamite_70 (AM), Eevee_64 (JA), Elsa_70 (AM), GoCrazy_67 (AM), Hankly_70 (AM), Heisenberger_69 (AM), JEGGS_69 (AM), JoyLin_64 (JA), Kardesai_70 (AM), KeaneyLin_66 (AM), Mooshroom_71 (AM), Mudcat_66 (AM), NapoleonB_71 (AM), Nason_70 (AM), Pippin15_65 (JA), Stardom_70 (AM), Tribby_74 (AM), Xenomorph_67 (AM), YoshiYama_72 (AM), Yotsuba_64 (JA),

Summary by clusters:

There are 3 clusters represented in this pham: FK, AM, JA,

Info for manual annotations of cluster AM:
•Start number 12 was manually annotated 21 times for cluster AM.

Info for manual annotations of cluster FK:
•Start number 7 was manually annotated 3 times for cluster FK.
•Start number 8 was manually annotated 1 time for cluster FK.

Info for manual annotations of cluster JA:
•Start number 12 was manually annotated 4 times for cluster JA.

Gene Information:

Gene: Arcadia_70 Start: 43764, Stop: 44090, Start Num: 12

Candidate Starts for Arcadia_70:
(Start: 12 @43764 has 25 MA's), (25, 43932),

Gene: BenitoAntonio_69 Start: 43369, Stop: 43737, Start Num: 12
Candidate Starts for BenitoAntonio_69:
(Start: 12 @43369 has 25 MA's), (25, 43537), (26, 43570), (31, 43636), (35, 43675),

Gene: Benllo_68 Start: 44047, Stop: 44415, Start Num: 12
Candidate Starts for Benllo_68:
(Start: 12 @44047 has 25 MA's), (25, 44215), (26, 44248), (31, 44314), (35, 44353),

Gene: Bowling_72 Start: 44323, Stop: 44691, Start Num: 12
Candidate Starts for Bowling_72:
(Start: 12 @44323 has 25 MA's), (25, 44491), (26, 44524), (31, 44590), (35, 44629),

Gene: Cheesy_71 Start: 43557, Stop: 43883, Start Num: 12
Candidate Starts for Cheesy_71:
(Start: 12 @43557 has 25 MA's), (25, 43725),

Gene: Circum_72 Start: 44137, Stop: 44505, Start Num: 12
Candidate Starts for Circum_72:
(Start: 12 @44137 has 25 MA's), (25, 44305), (26, 44338), (31, 44404), (35, 44443),

Gene: Correa_69 Start: 43131, Stop: 43457, Start Num: 12
Candidate Starts for Correa_69:
(Start: 12 @43131 has 25 MA's), (25, 43299),

Gene: Dynamite_70 Start: 43580, Stop: 43948, Start Num: 12
Candidate Starts for Dynamite_70:
(Start: 12 @43580 has 25 MA's), (25, 43748), (26, 43781), (31, 43847), (35, 43886),

Gene: Eevee_64 Start: 45574, Stop: 45990, Start Num: 12
Candidate Starts for Eevee_64:
(Start: 12 @45574 has 25 MA's), (14, 45583), (16, 45610), (19, 45658), (20, 45661), (27, 45766), (32, 45853), (39, 45967),

Gene: Elsa_70 Start: 43764, Stop: 44090, Start Num: 12
Candidate Starts for Elsa_70:
(Start: 12 @43764 has 25 MA's), (25, 43932),

Gene: Elver_238 Start: 106621, Stop: 107130, Start Num: 8
Candidate Starts for Elver_238:
(6, 106585), (Start: 7 @106600 has 3 MA's), (Start: 8 @106621 has 1 MA's), (9, 106645), (10, 106648), (11, 106684), (13, 106696), (21, 106792), (23, 106837), (26, 106888), (28, 106900), (41, 107107),

Gene: Gandionco_237 Start: 105943, Stop: 106512, Start Num: 6
Candidate Starts for Gandionco_237:
(6, 105943), (Start: 7 @105958 has 3 MA's), (Start: 8 @105979 has 1 MA's), (9, 106003), (10, 106006), (11, 106042), (13, 106054), (21, 106150), (24, 106216), (33, 106348), (34, 106372), (40, 106480), (41, 106489),

Gene: GoCrazy_67 Start: 43024, Stop: 43392, Start Num: 12
Candidate Starts for GoCrazy_67:

(Start: 12 @43024 has 25 MA's), (25, 43192), (26, 43225), (31, 43291),

Gene: Hankly_70 Start: 43218, Stop: 43586, Start Num: 12
Candidate Starts for Hankly_70:
(Start: 12 @43218 has 25 MA's), (25, 43386), (26, 43419), (31, 43485), (35, 43524),

Gene: Heisenberger_69 Start: 42986, Stop: 43354, Start Num: 12
Candidate Starts for Heisenberger_69:
(Start: 12 @42986 has 25 MA's), (25, 43154), (26, 43187), (31, 43253), (35, 43292),

Gene: JEGGS_69 Start: 43065, Stop: 43433, Start Num: 12
Candidate Starts for JEGGS_69:
(Start: 12 @43065 has 25 MA's), (25, 43233), (26, 43266), (31, 43332), (35, 43371),

Gene: JeNeSaisPas_240 Start: 106357, Stop: 106887, Start Num: 7
Candidate Starts for JeNeSaisPas_240:
(6, 106342), (Start: 7 @106357 has 3 MA's), (Start: 8 @106378 has 1 MA's), (9, 106402), (10, 106405), (11, 106441), (13, 106453), (21, 106549), (23, 106594), (26, 106645), (28, 106657), (37, 106786), (38, 106795), (41, 106864),

Gene: JoyLin_64 Start: 45694, Stop: 46110, Start Num: 12
Candidate Starts for JoyLin_64:
(Start: 12 @45694 has 25 MA's), (14, 45703), (16, 45730), (19, 45778), (20, 45781), (27, 45886), (32, 45973), (39, 46087),

Gene: Kardesai_70 Start: 43374, Stop: 43706, Start Num: 12
Candidate Starts for Kardesai_70:
(Start: 12 @43374 has 25 MA's), (25, 43542),

Gene: KeaneyLin_66 Start: 43024, Stop: 43392, Start Num: 12
Candidate Starts for KeaneyLin_66:
(Start: 12 @43024 has 25 MA's), (25, 43192), (26, 43225), (31, 43291),

Gene: Kureo_235 Start: 104935, Stop: 105465, Start Num: 7
Candidate Starts for Kureo_235:
(1, 104842), (2, 104872), (3, 104884), (4, 104887), (5, 104899), (6, 104920), (Start: 7 @104935 has 3 MA's), (Start: 8 @104956 has 1 MA's), (9, 104980), (10, 104983), (11, 105019), (13, 105031), (21, 105127), (23, 105172), (26, 105223), (28, 105235), (37, 105364), (38, 105373), (41, 105442),

Gene: Marianna39_237 Start: 106546, Stop: 107115, Start Num: 6
Candidate Starts for Marianna39_237:
(6, 106546), (Start: 7 @106561 has 3 MA's), (Start: 8 @106582 has 1 MA's), (9, 106606), (10, 106609), (11, 106645), (13, 106657), (21, 106753), (24, 106819), (33, 106951), (34, 106975), (40, 107083), (41, 107092),

Gene: Mooshroom_71 Start: 43374, Stop: 43706, Start Num: 12
Candidate Starts for Mooshroom_71:
(Start: 12 @43374 has 25 MA's), (25, 43542),

Gene: Mudcat_66 Start: 44423, Stop: 44791, Start Num: 12
Candidate Starts for Mudcat_66:
(Start: 12 @44423 has 25 MA's), (25, 44591), (26, 44624), (31, 44690), (35, 44729),

Gene: NapoleonB_71 Start: 43580, Stop: 43948, Start Num: 12
Candidate Starts for NapoleonB_71:
(Start: 12 @43580 has 25 MA's), (25, 43748), (26, 43781), (31, 43847), (35, 43886),

Gene: Nason_70 Start: 43764, Stop: 44090, Start Num: 12
Candidate Starts for Nason_70:
(Start: 12 @43764 has 25 MA's), (25, 43932),

Gene: Paella_240 Start: 107737, Stop: 108267, Start Num: 7
Candidate Starts for Paella_240:
(6, 107722), (Start: 7 @107737 has 3 MA's), (Start: 8 @107758 has 1 MA's), (9, 107782), (10, 107785), (11, 107821), (13, 107833), (21, 107929), (23, 107974), (26, 108025), (28, 108037), (37, 108166), (38, 108175), (41, 108244),

Gene: Pippin15_65 Start: 42606, Stop: 43019, Start Num: 12
Candidate Starts for Pippin15_65:
(Start: 12 @42606 has 25 MA's), (14, 42615), (15, 42627), (17, 42660), (18, 42675), (22, 42732), (29, 42828), (30, 42831),

Gene: Qui_239 Start: 107725, Stop: 108255, Start Num: 7
Candidate Starts for Qui_239:
(6, 107710), (Start: 7 @107725 has 3 MA's), (Start: 8 @107746 has 1 MA's), (9, 107770), (10, 107773), (11, 107809), (13, 107821), (21, 107917), (23, 107962), (26, 108013), (28, 108025), (37, 108154), (38, 108163), (41, 108232),

Gene: Stardom_70 Start: 42931, Stop: 43299, Start Num: 12
Candidate Starts for Stardom_70:
(Start: 12 @42931 has 25 MA's), (25, 43099), (26, 43132), (31, 43198), (35, 43237),

Gene: Tribby_74 Start: 44517, Stop: 44843, Start Num: 12
Candidate Starts for Tribby_74:
(Start: 12 @44517 has 25 MA's), (25, 44685),

Gene: Xenomorph_67 Start: 44001, Stop: 44369, Start Num: 12
Candidate Starts for Xenomorph_67:
(Start: 12 @44001 has 25 MA's), (25, 44169), (35, 44307), (36, 44319),

Gene: YoshiYama_72 Start: 44577, Stop: 44945, Start Num: 12
Candidate Starts for YoshiYama_72:
(Start: 12 @44577 has 25 MA's), (25, 44745), (26, 44778), (31, 44844), (35, 44883),

Gene: Yotsuba_64 Start: 45712, Stop: 46128, Start Num: 12
Candidate Starts for Yotsuba_64:
(Start: 12 @45712 has 25 MA's), (14, 45721), (16, 45748), (19, 45796), (20, 45799), (27, 45904), (32, 45991), (39, 46105),