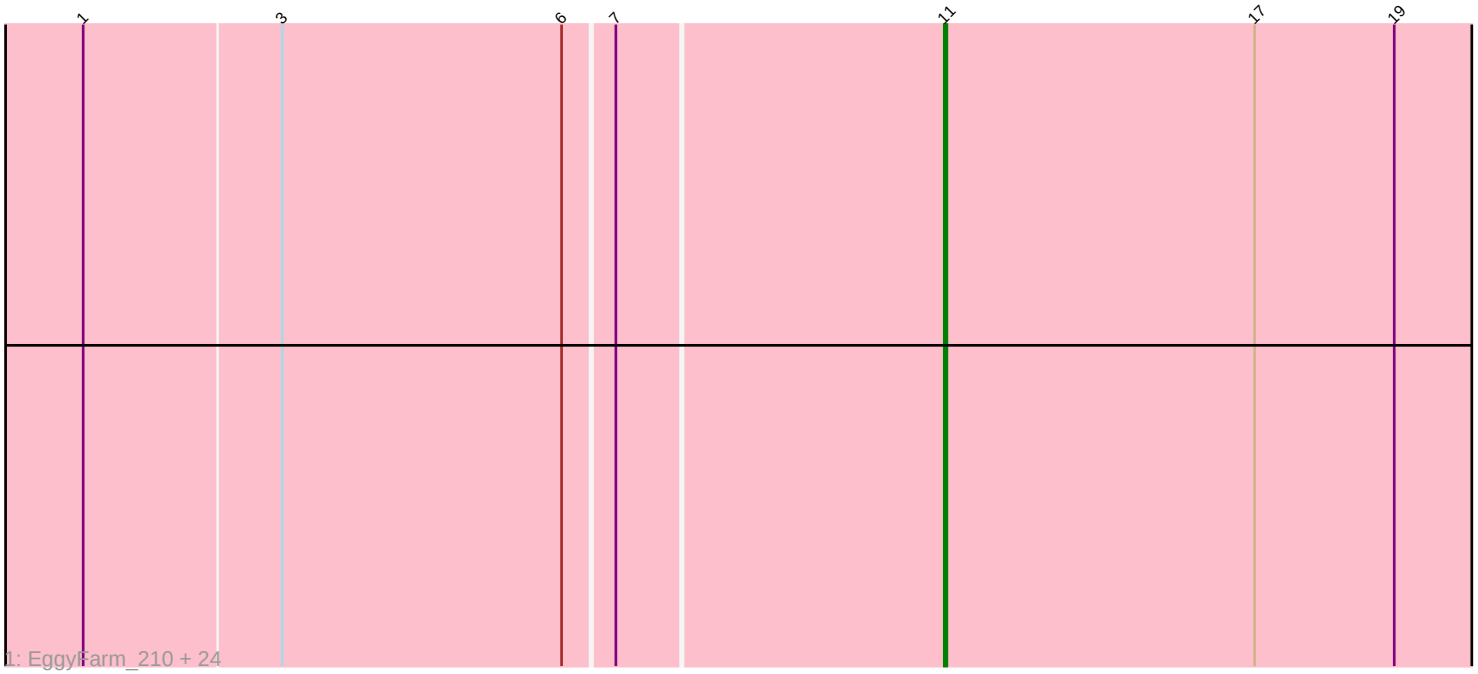
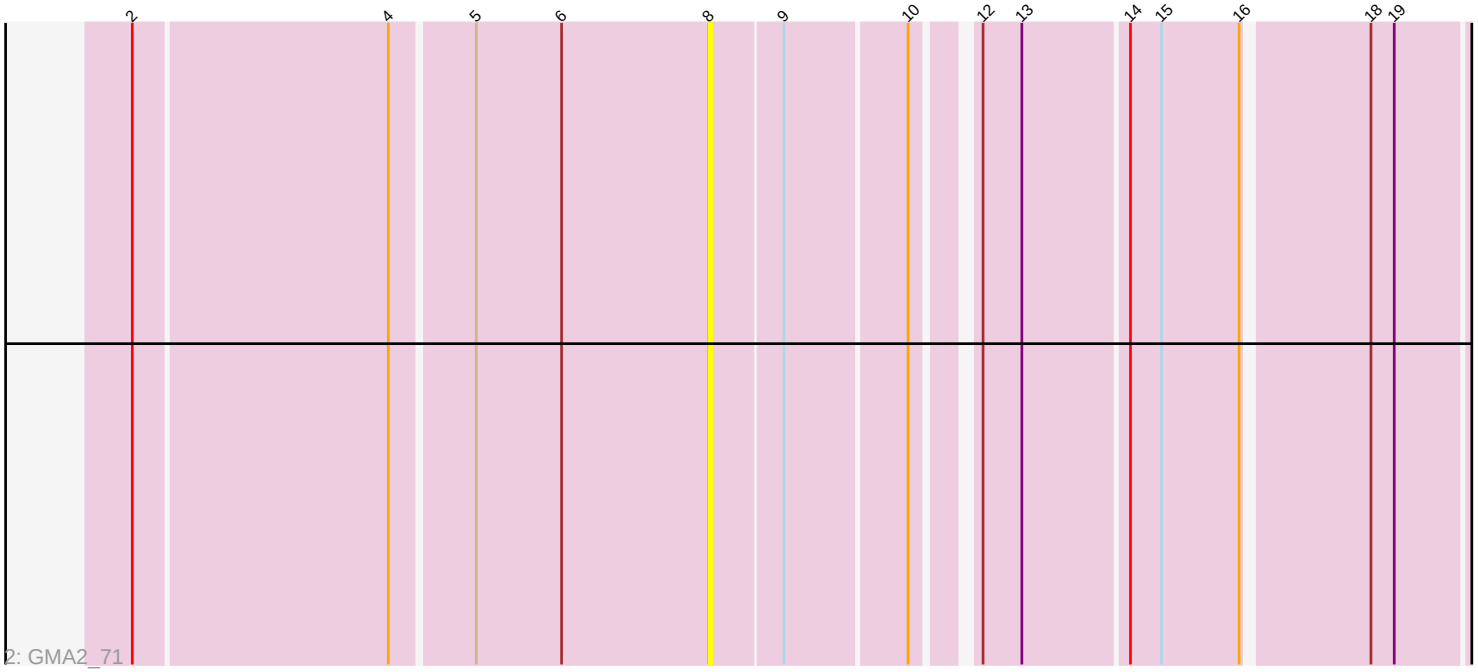
Pham 331160


1
3
6
7
11
17
19
1: EggyFarm_210 + 24


2
4
5
6
8
9
10
12
13
14
15
16
18
19
2: GMA2_71

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 331160 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331160 has 26 members, 15 are drafts.

Phages represented in each track:
• Track 1 : EggyFarm_210, Halldule_194, Guwapp_196, Pivoine_202, Domi_195, LookingGlass_200, BigCity_210, JigglyPuff_208, Fongie_202, Demodog_207, Grasshills_209, InterFolia_204, Specks_205, Teardrop_198, Tortoise16_199, Melpomini_196, Primadonna_196, Blackdragon_196, Maguvora_202, Darko_200, Norm_201, Patter_202, QBert_193, Substance289_198, Concombre_206
• Track 2 : GMA2_71

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

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

Genes that call this "Most Annotated" start:
• BigCity_210, Blackdragon_196, Concombre_206, Darko_200, Demodog_207, Domi_195, EggyFarm_210, Fongie_202, Grasshills_209, Guwapp_196, Halldule_194, InterFolia_204, JigglyPuff_208, LookingGlass_200, Maguvora_202, Melpomini_196, Norm_201, Patter_202, Pivoine_202, Primadonna_196, QBert_193, Specks_205, Substance289_198, Teardrop_198, Tortoise16_199,

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

Genes that do not have the "Most Annotated" start:
• GMA2_71,

Summary by start number:

Start 8:
• Found in 1 of 26 (3.8%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA2_71 (DS),

Start 11:

• Found in 25 of 26 (96.2%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BigCity_210 (C1), Blackdragon_196 (C1), Concombre_206 (C1), Darko_200 (C1), Demodog_207 (C1), Domi_195 (C1), EggyFarm_210 (C1), Fongie_202 (C1), Grasshills_209 (C1), Guwapp_196 (C1), Halldule_194 (C1), InterFolia_204 (C1), JigglyPuff_208 (C1), LookingGlass_200 (C1), Maguvora_202 (C1), Melpomini_196 (C1), Norm_201 (C1), Patter_202 (C1), Pivoine_202 (C1), Primadonna_196 (C1), QBert_193 (C1), Specks_205 (C1), Substance289_198 (C1), Teardrop_198 (C1), Tortoise16_199 (C1),

Summary by clusters:

There are 2 clusters represented in this pham: C1, DS,

Info for manual annotations of cluster C1:
•Start number 11 was manually annotated 11 times for cluster C1.

Gene Information:

Gene: BigCity_210 Start: 110204, Stop: 110437, Start Num: 11
Candidate Starts for BigCity_210:
(1, 109880), (3, 109955), (6, 110063), (7, 110081), (Start: 11 @110204 has 11 MA's), (17, 110324), (19, 110378),

Gene: Blackdragon_196 Start: 106931, Stop: 107164, Start Num: 11
Candidate Starts for Blackdragon_196:
(1, 106607), (3, 106682), (6, 106790), (7, 106808), (Start: 11 @106931 has 11 MA's), (17, 107051), (19, 107105),

Gene: Concombre_206 Start: 109747, Stop: 109980, Start Num: 11
Candidate Starts for Concombre_206:
(1, 109423), (3, 109498), (6, 109606), (7, 109624), (Start: 11 @109747 has 11 MA's), (17, 109867), (19, 109921),

Gene: Darko_200 Start: 106832, Stop: 107065, Start Num: 11
Candidate Starts for Darko_200:
(1, 106508), (3, 106583), (6, 106691), (7, 106709), (Start: 11 @106832 has 11 MA's), (17, 106952), (19, 107006),

Gene: Demodog_207 Start: 109757, Stop: 109990, Start Num: 11
Candidate Starts for Demodog_207:
(1, 109433), (3, 109508), (6, 109616), (7, 109634), (Start: 11 @109757 has 11 MA's), (17, 109877), (19, 109931),

Gene: Domi_195 Start: 107188, Stop: 107421, Start Num: 11
Candidate Starts for Domi_195:
(1, 106864), (3, 106939), (6, 107047), (7, 107065), (Start: 11 @107188 has 11 MA's), (17, 107308), (19, 107362),

Gene: EggyFarm_210 Start: 110205, Stop: 110438, Start Num: 11
Candidate Starts for EggyFarm_210:
(1, 109881), (3, 109956), (6, 110064), (7, 110082), (Start: 11 @110205 has 11 MA's), (17, 110325), (19, 110379),

Gene: Fongie_202 Start: 107649, Stop: 107882, Start Num: 11
Candidate Starts for Fongie_202:
(1, 107325), (3, 107400), (6, 107508), (7, 107526), (Start: 11 @107649 has 11 MA's), (17, 107769), (19, 107823),

Gene: GMA2_71 Start: 73629, Stop: 73339, Start Num: 8
Candidate Starts for GMA2_71:
(2, 73845), (4, 73749), (5, 73719), (6, 73686), (8, 73629), (9, 73602), (10, 73557), (12, 73539), (13, 73524), (14, 73485), (15, 73473), (16, 73443), (18, 73398), (19, 73389),

Gene: Grasshills_209 Start: 110204, Stop: 110437, Start Num: 11
Candidate Starts for Grasshills_209:
(1, 109880), (3, 109955), (6, 110063), (7, 110081), (Start: 11 @110204 has 11 MA's), (17, 110324), (19, 110378),

Gene: Guwapp_196 Start: 105340, Stop: 105573, Start Num: 11
Candidate Starts for Guwapp_196:
(1, 105016), (3, 105091), (6, 105199), (7, 105217), (Start: 11 @105340 has 11 MA's), (17, 105460), (19, 105514),

Gene: Halldule_194 Start: 105725, Stop: 105958, Start Num: 11
Candidate Starts for Halldule_194:
(1, 105401), (3, 105476), (6, 105584), (7, 105602), (Start: 11 @105725 has 11 MA's), (17, 105845), (19, 105899),

Gene: InterFolia_204 Start: 108957, Stop: 109190, Start Num: 11
Candidate Starts for InterFolia_204:
(1, 108633), (3, 108708), (6, 108816), (7, 108834), (Start: 11 @108957 has 11 MA's), (17, 109077), (19, 109131),

Gene: JigglyPuff_208 Start: 109755, Stop: 109988, Start Num: 11
Candidate Starts for JigglyPuff_208:
(1, 109431), (3, 109506), (6, 109614), (7, 109632), (Start: 11 @109755 has 11 MA's), (17, 109875), (19, 109929),

Gene: LookingGlass_200 Start: 107349, Stop: 107582, Start Num: 11
Candidate Starts for LookingGlass_200:
(1, 107025), (3, 107100), (6, 107208), (7, 107226), (Start: 11 @107349 has 11 MA's), (17, 107469), (19, 107523),

Gene: Maguvora_202 Start: 107917, Stop: 108150, Start Num: 11
Candidate Starts for Maguvora_202:
(1, 107593), (3, 107668), (6, 107776), (7, 107794), (Start: 11 @107917 has 11 MA's), (17, 108037), (19, 108091),

Gene: Melpomini_196 Start: 106129, Stop: 106362, Start Num: 11
Candidate Starts for Melpomini_196:

(1, 105805), (3, 105880), (6, 105988), (7, 106006), (Start: 11 @106129 has 11 MA's), (17, 106249), (19, 106303),

Gene: Norm_201 Start: 108033, Stop: 108266, Start Num: 11
Candidate Starts for Norm_201:
(1, 107709), (3, 107784), (6, 107892), (7, 107910), (Start: 11 @108033 has 11 MA's), (17, 108153), (19, 108207),

Gene: Patter_202 Start: 106609, Stop: 106842, Start Num: 11
Candidate Starts for Patter_202:
(1, 106285), (3, 106360), (6, 106468), (7, 106486), (Start: 11 @106609 has 11 MA's), (17, 106729), (19, 106783),

Gene: Pivoine_202 Start: 107298, Stop: 107531, Start Num: 11
Candidate Starts for Pivoine_202:
(1, 106974), (3, 107049), (6, 107157), (7, 107175), (Start: 11 @107298 has 11 MA's), (17, 107418), (19, 107472),

Gene: Primadonna_196 Start: 106959, Stop: 107192, Start Num: 11
Candidate Starts for Primadonna_196:
(1, 106635), (3, 106710), (6, 106818), (7, 106836), (Start: 11 @106959 has 11 MA's), (17, 107079), (19, 107133),

Gene: QBert_193 Start: 106654, Stop: 106887, Start Num: 11
Candidate Starts for QBert_193:
(1, 106330), (3, 106405), (6, 106513), (7, 106531), (Start: 11 @106654 has 11 MA's), (17, 106774), (19, 106828),

Gene: Specks_205 Start: 108706, Stop: 108939, Start Num: 11
Candidate Starts for Specks_205:
(1, 108382), (3, 108457), (6, 108565), (7, 108583), (Start: 11 @108706 has 11 MA's), (17, 108826), (19, 108880),

Gene: Substance289_198 Start: 106447, Stop: 106680, Start Num: 11
Candidate Starts for Substance289_198:
(1, 106123), (3, 106198), (6, 106306), (7, 106324), (Start: 11 @106447 has 11 MA's), (17, 106567), (19, 106621),

Gene: Teardrop_198 Start: 105901, Stop: 106134, Start Num: 11
Candidate Starts for Teardrop_198:
(1, 105577), (3, 105652), (6, 105760), (7, 105778), (Start: 11 @105901 has 11 MA's), (17, 106021), (19, 106075),

Gene: Tortoise16_199 Start: 107144, Stop: 107377, Start Num: 11
Candidate Starts for Tortoise16_199:
(1, 106820), (3, 106895), (6, 107003), (7, 107021), (Start: 11 @107144 has 11 MA's), (17, 107264), (19, 107318),