Pham 278744

1: Patelgo_230 + 1

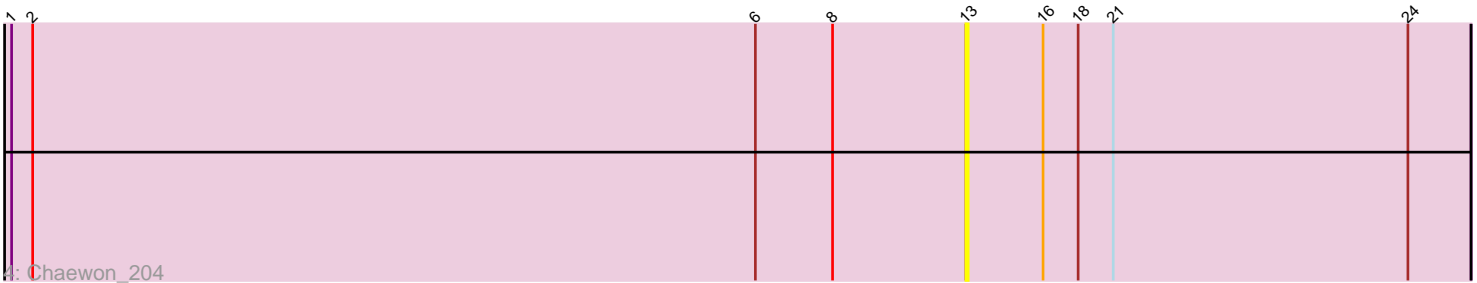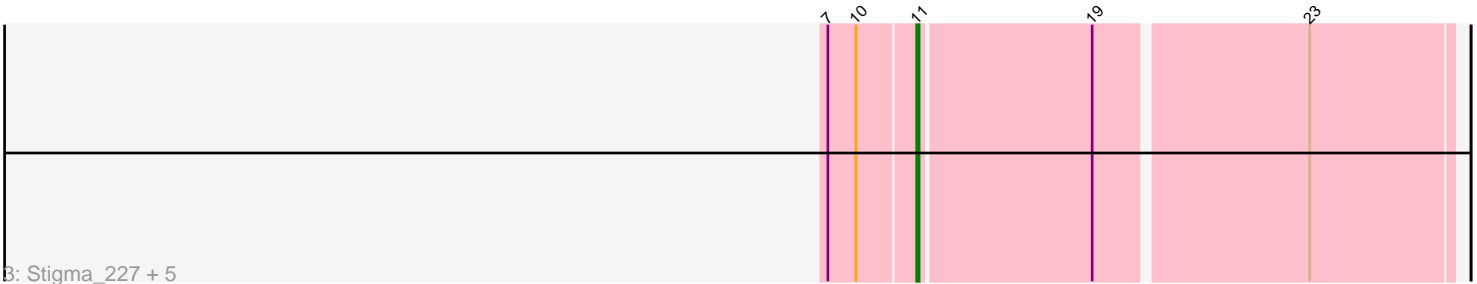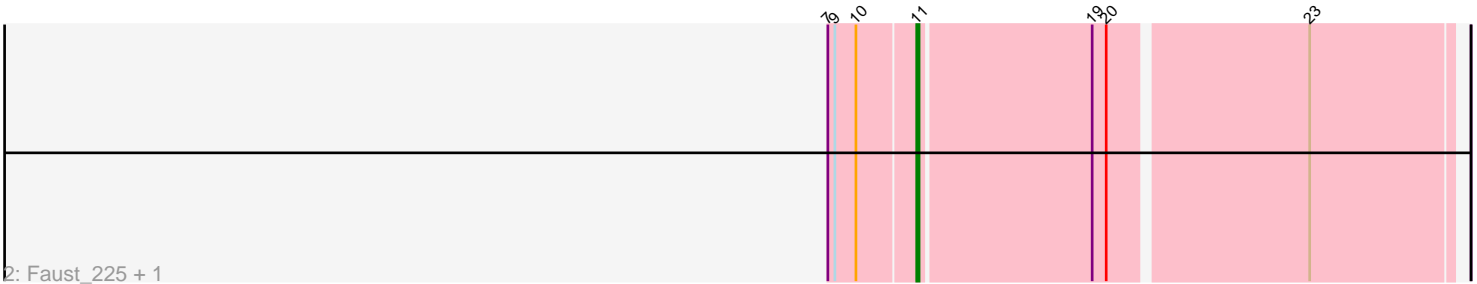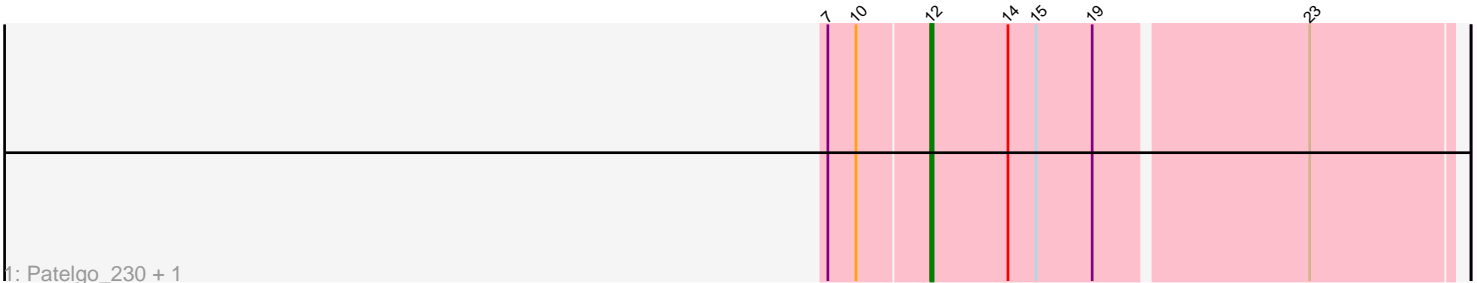2: Faust_225 + 1

3: Stigma_227 + 5

4: Chaewon_204

6: BillNye_202 + 1

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 278744 Report

This analysis was run 02/07/26 on database version 634.

Pham number 278744 has 13 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Patelgo_230, Moab_229
• Track 2 : Faust_225, SeresaTree_229
• Track 3 : Stigma_227, Westy_231, Belfort_228, SparkleGoddess_228, Karp_224, Comrade_225
• Track 4 : Chaewon_204
• Track 5 : BillNye_202, Circinus_202

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 7 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Belfort_228, Comrade_225, Faust_225, Karp_224, SeresaTree_229, SparkleGoddess_228, Stigma_227, Westy_231,

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

Genes that do not have the "Most Annotated" start:
• BillNye_202, Chaewon_204, Circinus_202, Moab_229, Patelgo_230,

Summary by start number:

Start 11:
• Found in 8 of 13 (61.5%) of genes in pham
• Manual Annotations of this start: 7 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belfort_228 (BK1), Comrade_225 (BK1), Faust_225 (BK1), Karp_224 (BK1), SeresaTree_229 (BK1), SparkleGoddess_228 (BK1), Stigma_227 (BK1), Westy_231 (BK1),

Start 12:
• Found in 2 of 13 (15.4%) of genes in pham

• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Moab_229 (BK1), Patelgo_230 (BK1),

Start 13:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillNye_202 (BK2), Chaewon_204 (BK2), Circinus_202 (BK2),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:
•Start number 11 was manually annotated 7 times for cluster BK1.
•Start number 12 was manually annotated 2 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 13 was manually annotated 2 times for cluster BK2.

Gene Information:
Gene: Belfort_228 Start: 111860, Stop: 112078, Start Num: 11
Candidate Starts for Belfort_228:
(7, 111824), (10, 111836), (Start: 11 @111860 has 7 MA's), (19, 111932), (23, 112019),

Gene: BillNye_202 Start: 107191, Stop: 107406, Start Num: 13
Candidate Starts for BillNye_202:
(1, 106783), (2, 106792), (3, 106819), (4, 106903), (5, 107008), (6, 107101), (Start: 13 @107191 has 2 MA's), (16, 107224), (17, 107227), (22, 107332), (24, 107380),

Gene: Chaewon_204 Start: 107113, Stop: 107328, Start Num: 13
Candidate Starts for Chaewon_204:
(1, 106705), (2, 106714), (6, 107023), (8, 107056), (Start: 13 @107113 has 2 MA's), (16, 107146), (18, 107161), (21, 107176), (24, 107302),

Gene: Circinus_202 Start: 106798, Stop: 107013, Start Num: 13
Candidate Starts for Circinus_202:
(1, 106390), (2, 106399), (3, 106426), (4, 106510), (5, 106615), (6, 106708), (Start: 13 @106798 has 2 MA's), (16, 106831), (17, 106834), (22, 106939), (24, 106987),

Gene: Comrade_225 Start: 112059, Stop: 112277, Start Num: 11
Candidate Starts for Comrade_225:
(7, 112023), (10, 112035), (Start: 11 @112059 has 7 MA's), (19, 112131), (23, 112218),

Gene: Faust_225 Start: 112187, Stop: 112405, Start Num: 11
Candidate Starts for Faust_225:
(7, 112151), (9, 112154), (10, 112163), (Start: 11 @112187 has 7 MA's), (19, 112259), (20, 112265), (23, 112346),

Gene: Karp_224 Start: 112226, Stop: 112444, Start Num: 11
Candidate Starts for Karp_224:
(7, 112190), (10, 112202), (Start: 11 @112226 has 7 MA's), (19, 112298), (23, 112385),

Gene: Moab_229 Start: 112923, Stop: 113138, Start Num: 12
Candidate Starts for Moab_229:
(7, 112884), (10, 112896), (Start: 12 @112923 has 2 MA's), (14, 112956), (15, 112968), (19, 112992),
(23, 113079),

Gene: Patelgo_230 Start: 113335, Stop: 113550, Start Num: 12
Candidate Starts for Patelgo_230:
(7, 113296), (10, 113308), (Start: 12 @113335 has 2 MA's), (14, 113368), (15, 113380), (19, 113404),
(23, 113491),

Gene: SeresaTree_229 Start: 112173, Stop: 112391, Start Num: 11
Candidate Starts for SeresaTree_229:
(7, 112137), (9, 112140), (10, 112149), (Start: 11 @112173 has 7 MA's), (19, 112245), (20, 112251),
(23, 112332),

Gene: SparkleGoddess_228 Start: 112287, Stop: 112505, Start Num: 11
Candidate Starts for SparkleGoddess_228:
(7, 112251), (10, 112263), (Start: 11 @112287 has 7 MA's), (19, 112359), (23, 112446),

Gene: Stigma_227 Start: 112493, Stop: 112711, Start Num: 11
Candidate Starts for Stigma_227:
(7, 112457), (10, 112469), (Start: 11 @112493 has 7 MA's), (19, 112565), (23, 112652),

Gene: Westy_231 Start: 113280, Stop: 113498, Start Num: 11
Candidate Starts for Westy_231:
(7, 113244), (10, 113256), (Start: 11 @113280 has 7 MA's), (19, 113352), (23, 113439),