Pham 6693

1: Patelgo_229

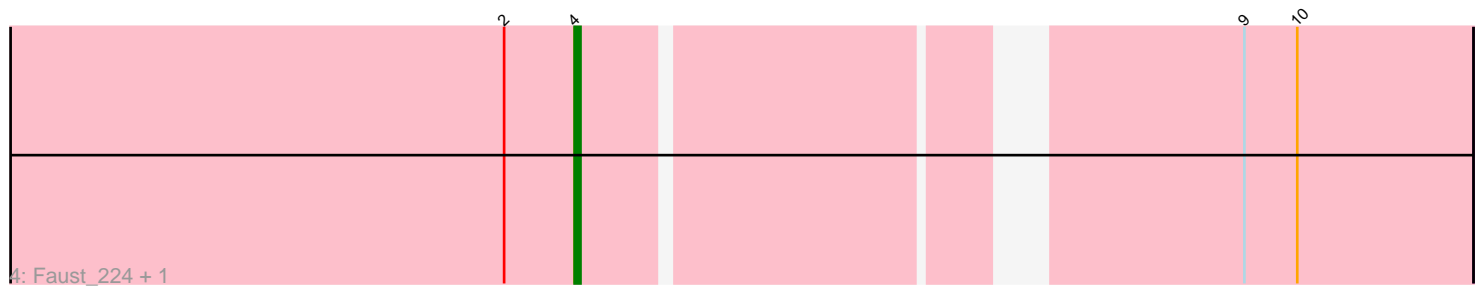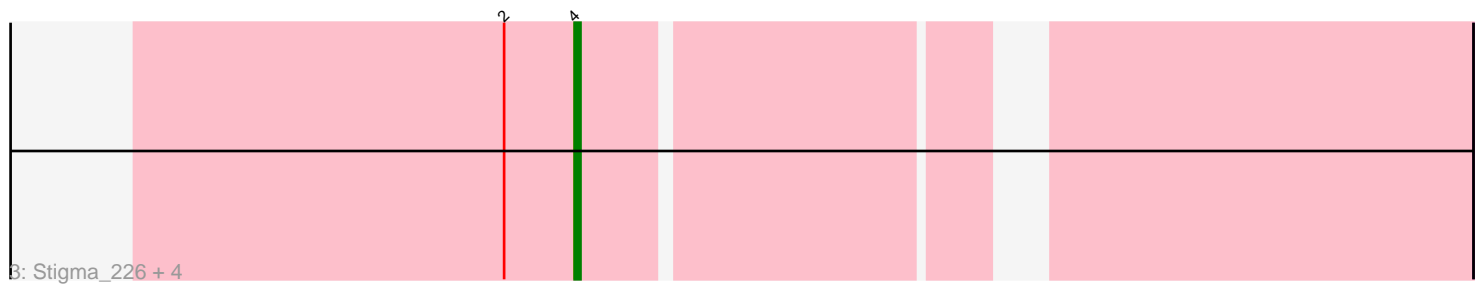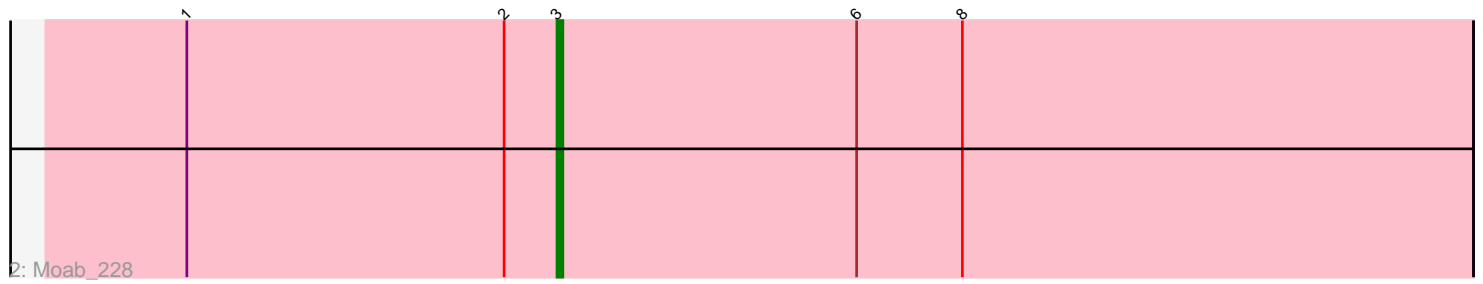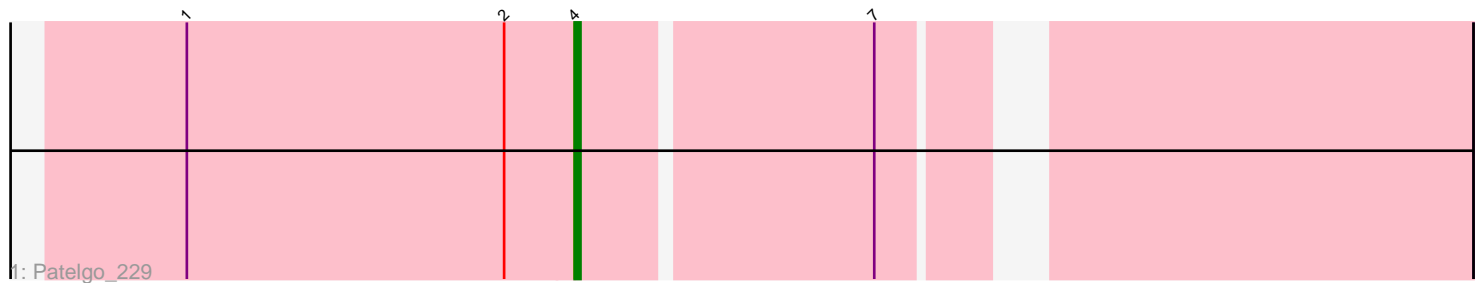2: Moab_228

3: Stigma_226 + 4

4: Faust_224 + 1

5: Phredrick_232 + 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 6693 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6693 has 11 members, 1 are drafts.

Phages represented in each track:
- Track 1 : Patelgo_229
- Track 2 : Moab_228
- Track 3 : Stigma_226, Belfort_227, SparkleGoddess_227, Karp_223, Comrade_224
- Track 4 : Faust_224, SeresaTree_228
- Track 5 : Phredrick_232, Kenrey_235

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

The start number called the most often in the published annotations is 4, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
- Belfort_227, Comrade_224, Faust_224, Karp_223, Kenrey_235, Patelgo_229, Phredrick_232, SeresaTree_228, SparkleGoddess_227, Stigma_226,

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

Genes that do not have the "Most Annotated" start:
- Moab_228,

Summary by start number:

Start 3:
- Found in 1 of 11 (9.1%) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Moab_228 (BK1),

Start 4:
- Found in 10 of 11 (90.9%) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Belfort_227 (BK1), Comrade_224 (BK1), Faust_224 (BK1), Karp_223 (BK1), Kenrey_235 (BK1), Patelgo_229 (BK1), Phredrick_232 (BK1), SeresaTree_228 (BK1), SparkleGoddess_227 (BK1), Stigma_226 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 3 was manually annotated 1 time for cluster BK1.
•Start number 4 was manually annotated 9 times for cluster BK1.

Gene Information:

Gene: Belfort_227 Start: 111721, Stop: 111858, Start Num: 4
Candidate Starts for Belfort_227:
(2, 111709), (Start: 4 @111721 has 9 MA's),

Gene: Comrade_224 Start: 111920, Stop: 112057, Start Num: 4
Candidate Starts for Comrade_224:
(2, 111908), (Start: 4 @111920 has 9 MA's),

Gene: Faust_224 Start: 112048, Stop: 112185, Start Num: 4
Candidate Starts for Faust_224:
(2, 112036), (Start: 4 @112048 has 9 MA's), (9, 112147), (10, 112156),

Gene: Karp_223 Start: 112087, Stop: 112224, Start Num: 4
Candidate Starts for Karp_223:
(2, 112075), (Start: 4 @112087 has 9 MA's),

Gene: Kenrey_235 Start: 112144, Stop: 112281, Start Num: 4
Candidate Starts for Kenrey_235:
(Start: 4 @112144 has 9 MA's), (5, 112177),

Gene: Moab_228 Start: 112763, Stop: 112918, Start Num: 3
Candidate Starts for Moab_228:
(1, 112700), (2, 112754), (Start: 3 @112763 has 1 MA's), (6, 112814), (8, 112832),

Gene: Patelgo_229 Start: 113193, Stop: 113330, Start Num: 4
Candidate Starts for Patelgo_229:
(1, 113130), (2, 113184), (Start: 4 @113193 has 9 MA's), (7, 113241),

Gene: Phredrick_232 Start: 110324, Stop: 110461, Start Num: 4
Candidate Starts for Phredrick_232:
(Start: 4 @110324 has 9 MA's), (5, 110357),

Gene: SeresaTree_228 Start: 112034, Stop: 112171, Start Num: 4
Candidate Starts for SeresaTree_228:
(2, 112022), (Start: 4 @112034 has 9 MA's), (9, 112133), (10, 112142),

Gene: SparkleGoddess_227 Start: 112148, Stop: 112285, Start Num: 4
Candidate Starts for SparkleGoddess_227:
(2, 112136), (Start: 4 @112148 has 9 MA's),

Gene: Stigma_226 Start: 112354, Stop: 112491, Start Num: 4
Candidate Starts for Stigma_226:
(2, 112342), (Start: 4 @112354 has 9 MA's),