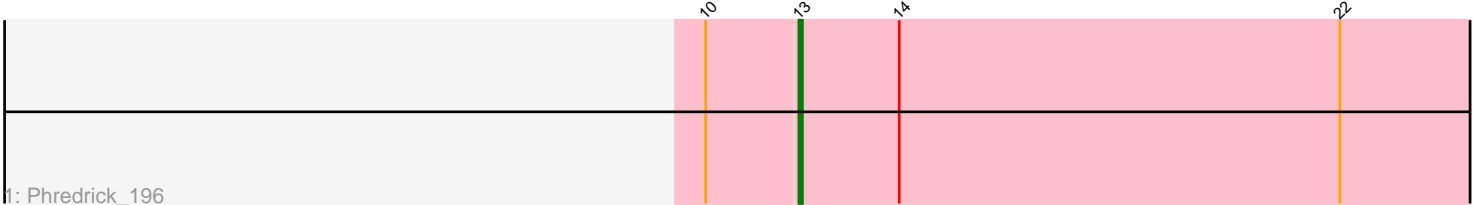
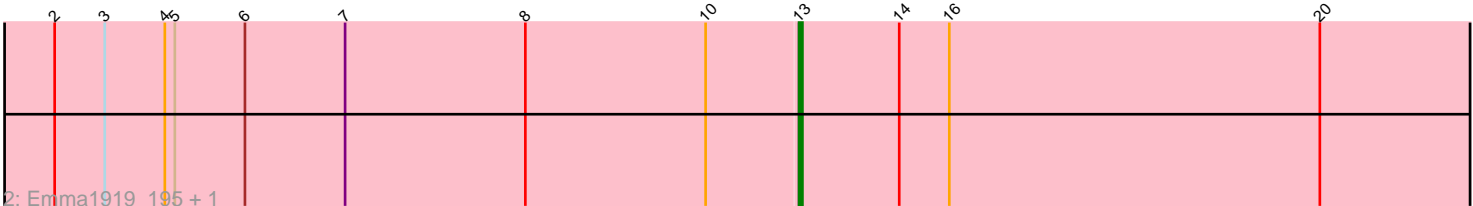


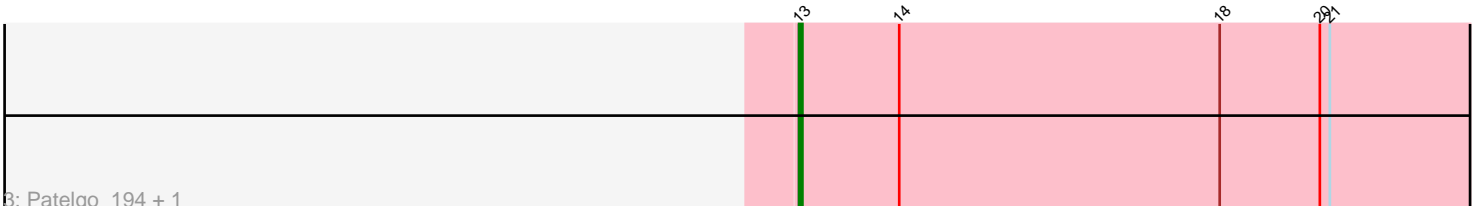
Pham 6365



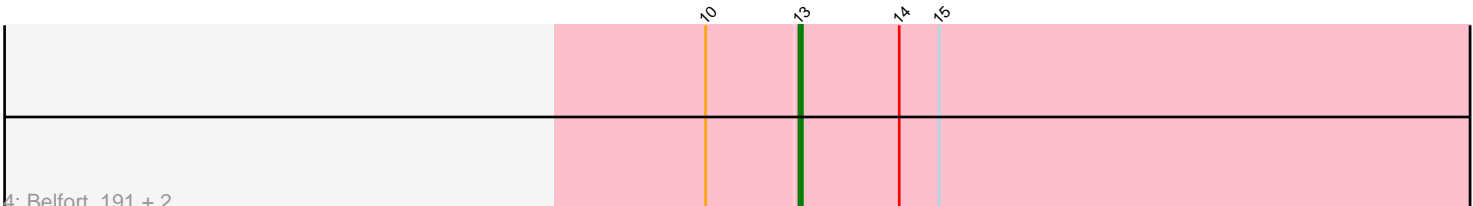
1: Phredrick_196



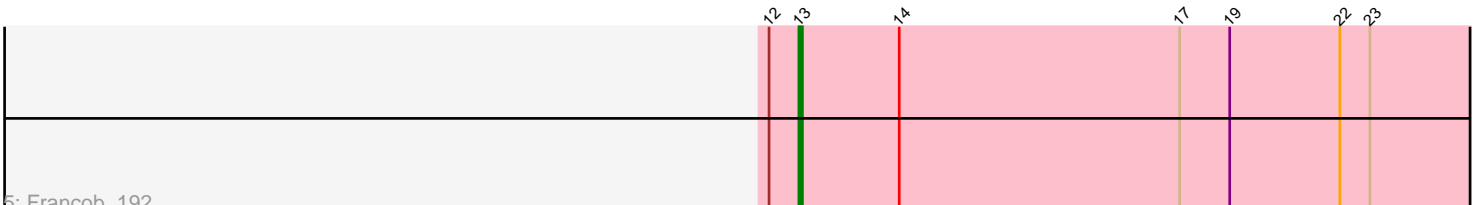
2: Emma1919_195 + 1



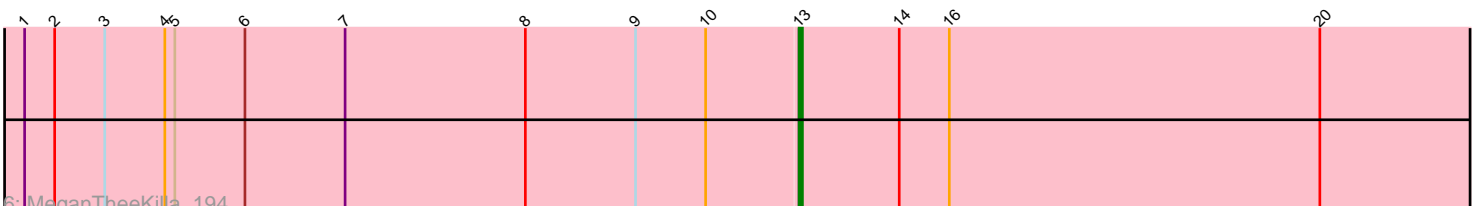
3: Patelgo_194 + 1



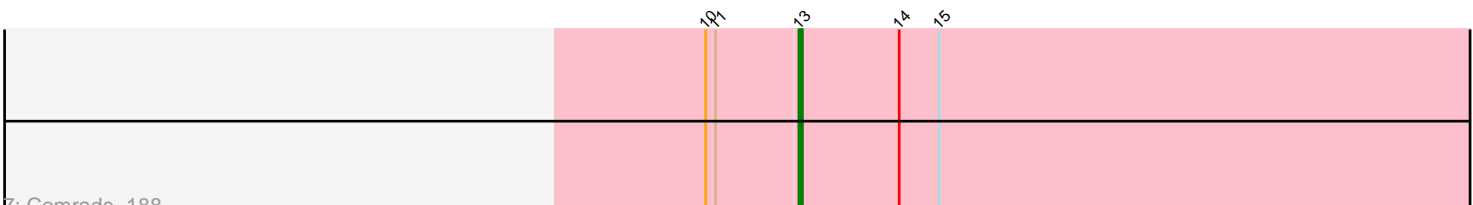
4: Belfort_191 + 2



5: Francob_192



6: MeganTheeKilla_194



7: Comrade_188

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 6365 Report

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

Pham number 6365 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Phredrick_196
- Track 2 : Emma1919_195, Gilson_194
- Track 3 : Patelgo_194, Moab_192
- Track 4 : Belfort_191, SparkleGoddess_191, Stigma_189
- Track 5 : Francob_192
- Track 6 : MeganTheeKilla_194
- Track 7 : Comrade_188

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

The start number called the most often in the published annotations is 13, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Belfort_191, Comrade_188, Emma1919_195, Francob_192, Gilson_194, MeganTheeKilla_194, Moab_192, Patelgo_194, Phredrick_196, SparkleGoddess_191, Stigma_189,

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

-

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

-

Summary by start number:

Start 13:

- Found in 11 of 11 (100.0%) 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: Belfort_191 (BK1), Comrade_188 (BK1), Emma1919_195 (BK1), Francob_192 (BK1), Gilson_194 (BK1), MeganTheeKilla_194 (BK1), Moab_192 (BK1), Patelgo_194 (BK1), Phredrick_196 (BK1), SparkleGoddess_191 (BK1), Stigma_189 (BK1),

Summary by clusters:

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:

- Start number 13 was manually annotated 11 times for cluster BK1.

Gene Information:

Gene: Belfort_191 Start: 98655, Stop: 98870, Start Num: 13

Candidate Starts for Belfort_191:

(10, 98628), (Start: 13 @98655 has 11 MA's), (14, 98685), (15, 98697),

Gene: Comrade_188 Start: 98856, Stop: 99071, Start Num: 13

Candidate Starts for Comrade_188:

(10, 98829), (11, 98832), (Start: 13 @98856 has 11 MA's), (14, 98886), (15, 98898),

Gene: Emma1919_195 Start: 97494, Stop: 97709, Start Num: 13

Candidate Starts for Emma1919_195:

(2, 97272), (3, 97287), (4, 97305), (5, 97308), (6, 97329), (7, 97359), (8, 97413), (10, 97467), (Start: 13 @97494 has 11 MA's), (14, 97524), (16, 97539), (20, 97650),

Gene: Francob_192 Start: 97589, Stop: 97798, Start Num: 13

Candidate Starts for Francob_192:

(12, 97580), (Start: 13 @97589 has 11 MA's), (14, 97619), (17, 97703), (19, 97718), (22, 97751), (23, 97760),

Gene: Gilson_194 Start: 97456, Stop: 97671, Start Num: 13

Candidate Starts for Gilson_194:

(2, 97234), (3, 97249), (4, 97267), (5, 97270), (6, 97291), (7, 97321), (8, 97375), (10, 97429), (Start: 13 @97456 has 11 MA's), (14, 97486), (16, 97501), (20, 97612),

Gene: MeganTheeKilla_194 Start: 97528, Stop: 97743, Start Num: 13

Candidate Starts for MeganTheeKilla_194:

(1, 97297), (2, 97306), (3, 97321), (4, 97339), (5, 97342), (6, 97363), (7, 97393), (8, 97447), (9, 97480), (10, 97501), (Start: 13 @97528 has 11 MA's), (14, 97558), (16, 97573), (20, 97684),

Gene: Moab_192 Start: 100098, Stop: 100307, Start Num: 13

Candidate Starts for Moab_192:

(Start: 13 @100098 has 11 MA's), (14, 100128), (18, 100224), (20, 100254), (21, 100257),

Gene: Patelgo_194 Start: 100739, Stop: 100948, Start Num: 13

Candidate Starts for Patelgo_194:

(Start: 13 @100739 has 11 MA's), (14, 100769), (18, 100865), (20, 100895), (21, 100898),

Gene: Phredrick_196 Start: 97312, Stop: 97521, Start Num: 13

Candidate Starts for Phredrick_196:

(10, 97285), (Start: 13 @97312 has 11 MA's), (14, 97342), (22, 97474),

Gene: SparkleGoddess_191 Start: 99064, Stop: 99279, Start Num: 13

Candidate Starts for SparkleGoddess_191:

(10, 99037), (Start: 13 @99064 has 11 MA's), (14, 99094), (15, 99106),

Gene: Stigma_189 Start: 99302, Stop: 99517, Start Num: 13

Candidate Starts for Stigma_189:

(10, 99275), (Start: 13 @99302 has 11 MA's), (14, 99332), (15, 99344),