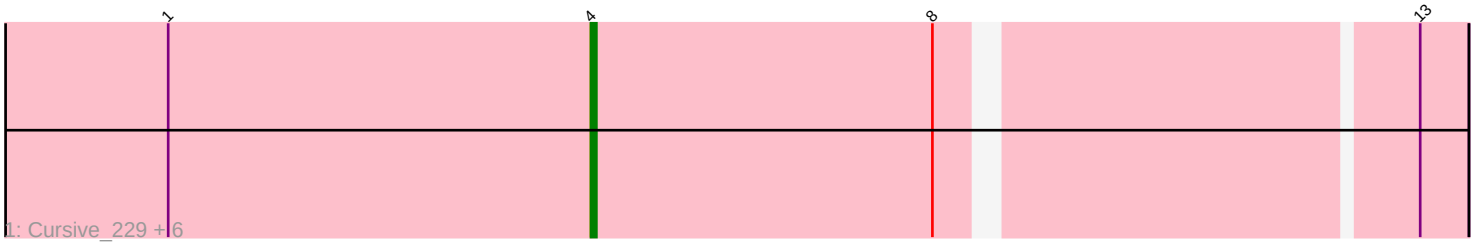
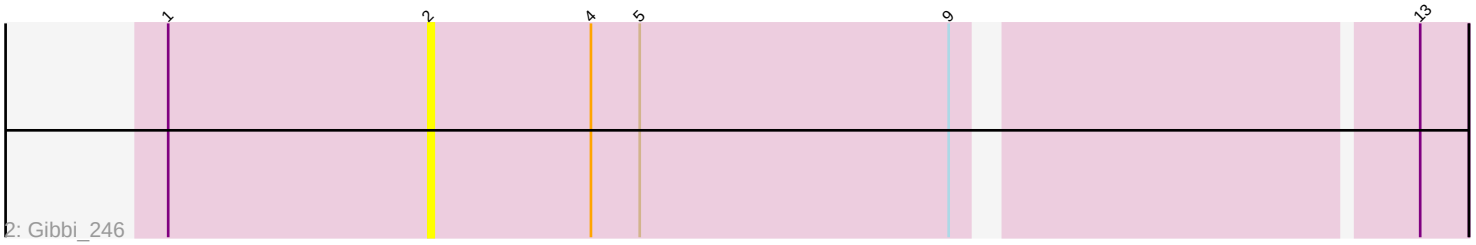
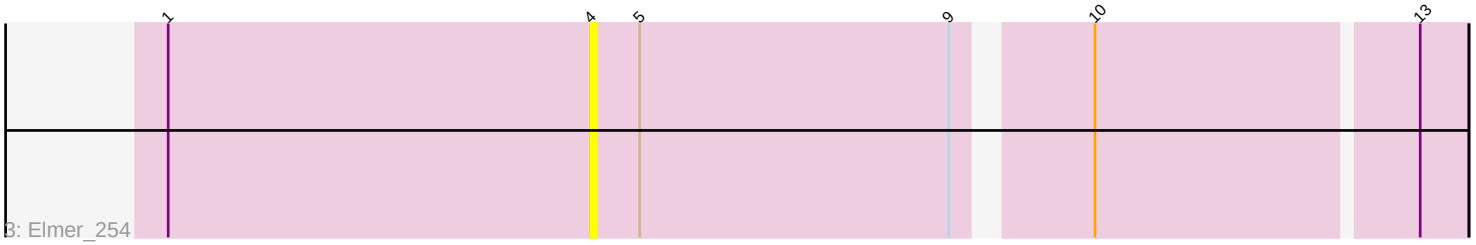
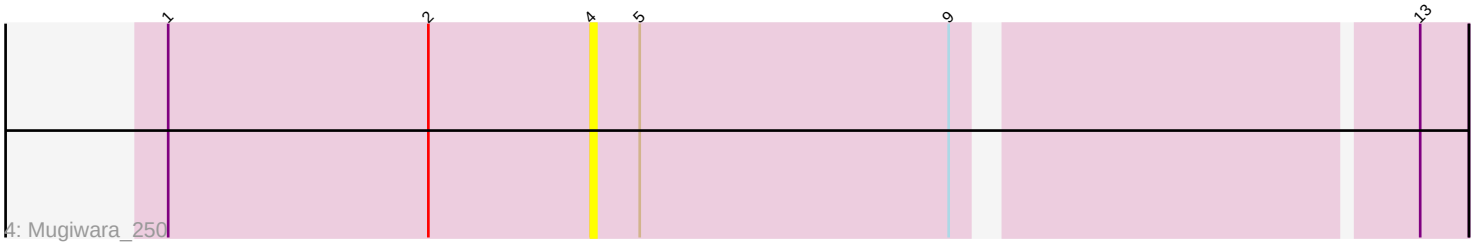
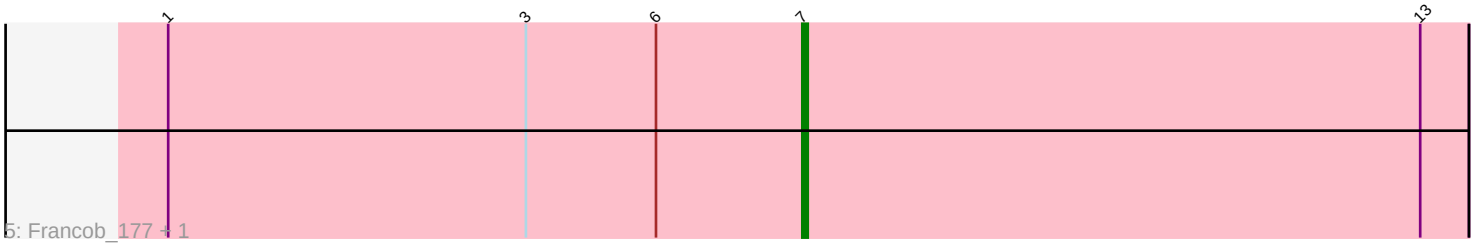
Pham 87570

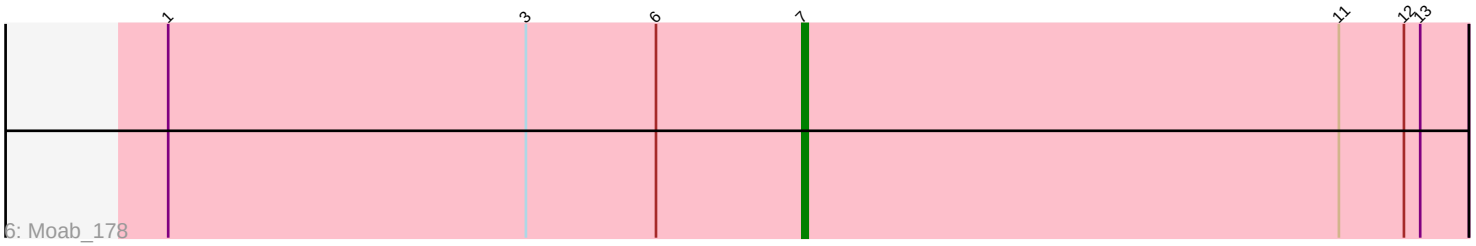

1
4
8
13
1: Cursive_229 + 6


1
2
4
5
9
13
2: Gibbi_246


1
4
5
9
10
13
3: Elmer_254


1
2
4
5
9
13
4: Mugiwara_250


1
3
6
7
13
5: Francob_177 + 1


1
3
6
7
11
12
13
6: Moab_178

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 87570 Report

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

Pham number 87570 has 13 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Cursive_229, PacManQ_227, Lululemon_226, Watermoore_225, Cross_225, HangryHippo_227, BlueOtter_227
• Track 2 : Gibbi_246
• Track 3 : Elmer_254
• Track 4 : Mugiwara_250
• Track 5 : Francob_177, Gilson_180
• Track 6 : Moab_178

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

The start number called the most often in the published annotations is 7, it was called in 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Francob_177, Gilson_180, Moab_178,

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

Genes that do not have the "Most Annotated" start:
• BlueOtter_227, Cross_225, Cursive_229, Elmer_254, Gibbi_246, HangryHippo_227, Lululemon_226, Mugiwara_250, PacManQ_227, Watermoore_225,

Summary by start number:

Start 2:
• Found in 2 of 13 (15.4%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Gibbi_246 (BE2),

Start 4:
• Found in 10 of 13 (76.9%) of genes in pham

• Manual Annotations of this start: 3 of 6
• Called 90.0% of time when present
• Phage (with cluster) where this start called: BlueOtter_227 (BE1), Cross_225 (BE1), Cursive_229 (BE1), Elmer_254 (BE2), HangryHippo_227 (BE1), Lululemon_226 (BE1), Mugiwara_250 (BE2), PacManQ_227 (BE1), Watermoore_225 (BE1),

Start 7:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Francob_177 (BK1), Gilson_180 (BK1), Moab_178 (BK1),

Summary by clusters:

There are 3 clusters represented in this pham: BE2, BE1, BK1,

Info for manual annotations of cluster BE1:
•Start number 4 was manually annotated 3 times for cluster BE1.

Info for manual annotations of cluster BK1:
•Start number 7 was manually annotated 3 times for cluster BK1.

Gene Information:

Gene: BlueOtter_227 Start: 113515, Stop: 113667, Start Num: 4
Candidate Starts for BlueOtter_227:
(1, 113437), (Start: 4 @113515 has 3 MA's), (8, 113578), (13, 113659),

Gene: Cross_225 Start: 114160, Stop: 114312, Start Num: 4
Candidate Starts for Cross_225:
(1, 114082), (Start: 4 @114160 has 3 MA's), (8, 114223), (13, 114304),

Gene: Cursive_229 Start: 114267, Stop: 114419, Start Num: 4
Candidate Starts for Cursive_229:
(1, 114189), (Start: 4 @114267 has 3 MA's), (8, 114330), (13, 114411),

Gene: Elmer_254 Start: 115404, Stop: 115556, Start Num: 4
Candidate Starts for Elmer_254:
(1, 115326), (Start: 4 @115404 has 3 MA's), (5, 115413), (9, 115470), (10, 115491), (13, 115548),

Gene: Francob_177 Start: 94050, Stop: 94172, Start Num: 7
Candidate Starts for Francob_177:
(1, 93933), (3, 93999), (6, 94023), (Start: 7 @94050 has 3 MA's), (13, 94164),

Gene: Gibbi_246 Start: 112069, Stop: 112251, Start Num: 2
Candidate Starts for Gibbi_246:
(1, 112021), (2, 112069), (Start: 4 @112099 has 3 MA's), (5, 112108), (9, 112165), (13, 112243),

Gene: Gilson_180 Start: 94021, Stop: 94143, Start Num: 7

Candidate Starts for Gilson_180:
(1, 93904), (3, 93970), (6, 93994), (Start: 7 @94021 has 3 MA's), (13, 94135),

Gene: HangryHippo_227 Start: 113515, Stop: 113667, Start Num: 4
Candidate Starts for HangryHippo_227:
(1, 113437), (Start: 4 @113515 has 3 MA's), (8, 113578), (13, 113659),

Gene: Lululemon_226 Start: 113320, Stop: 113472, Start Num: 4
Candidate Starts for Lululemon_226:
(1, 113242), (Start: 4 @113320 has 3 MA's), (8, 113383), (13, 113464),

Gene: Moab_178 Start: 96530, Stop: 96652, Start Num: 7
Candidate Starts for Moab_178:
(1, 96413), (3, 96479), (6, 96503), (Start: 7 @96530 has 3 MA's), (11, 96629), (12, 96641), (13, 96644),

Gene: Mugiwara_250 Start: 114313, Stop: 114465, Start Num: 4
Candidate Starts for Mugiwara_250:
(1, 114235), (2, 114283), (Start: 4 @114313 has 3 MA's), (5, 114322), (9, 114379), (13, 114457),

Gene: PacManQ_227 Start: 113320, Stop: 113472, Start Num: 4
Candidate Starts for PacManQ_227:
(1, 113242), (Start: 4 @113320 has 3 MA's), (8, 113383), (13, 113464),

Gene: Watermoore_225 Start: 115158, Stop: 115310, Start Num: 4
Candidate Starts for Watermoore_225:
(1, 115080), (Start: 4 @115158 has 3 MA's), (8, 115221), (13, 115302),