Pham 88404

1: Morkie_14

2: BearBQ_15 + 1

3: Ecliptus_15

4: ODay_15

5: Kuwabara_15 + 2
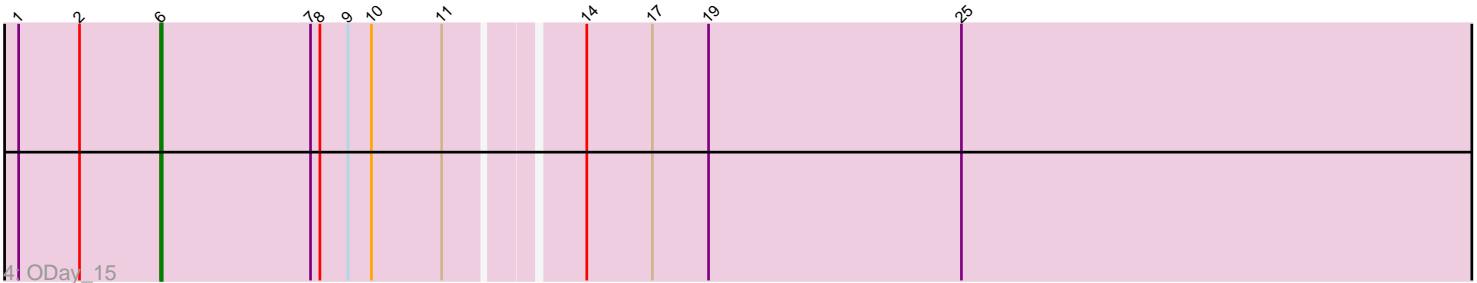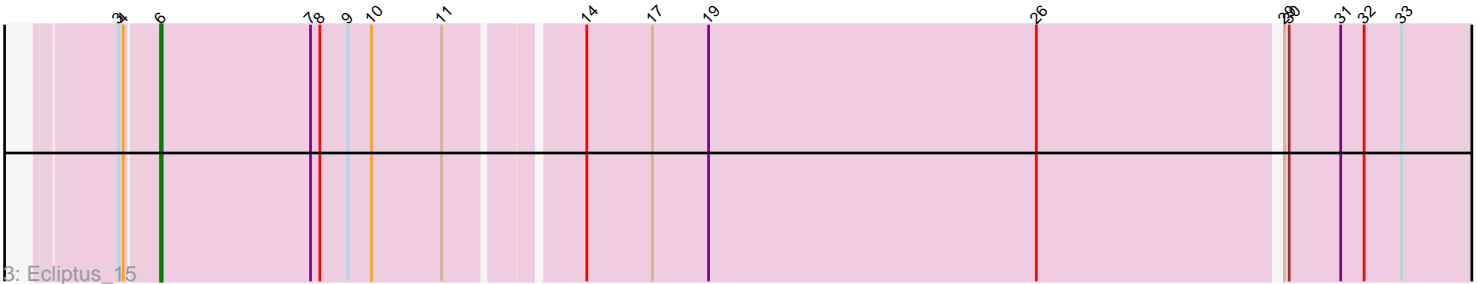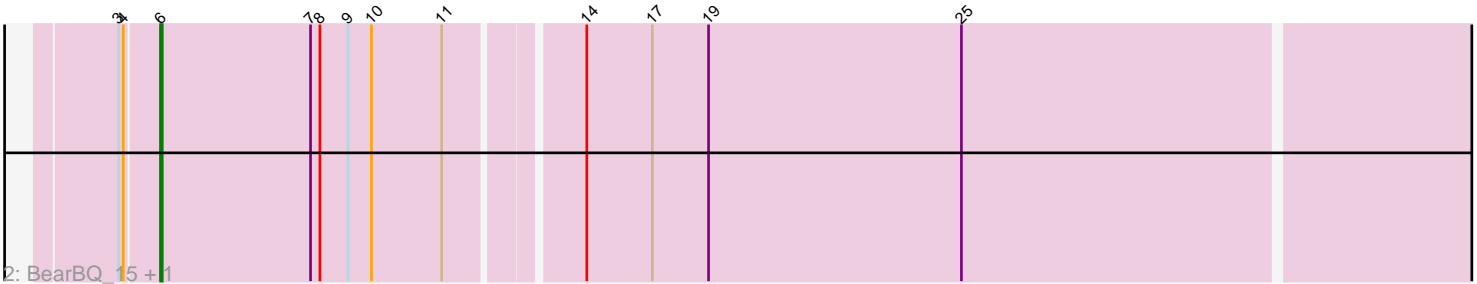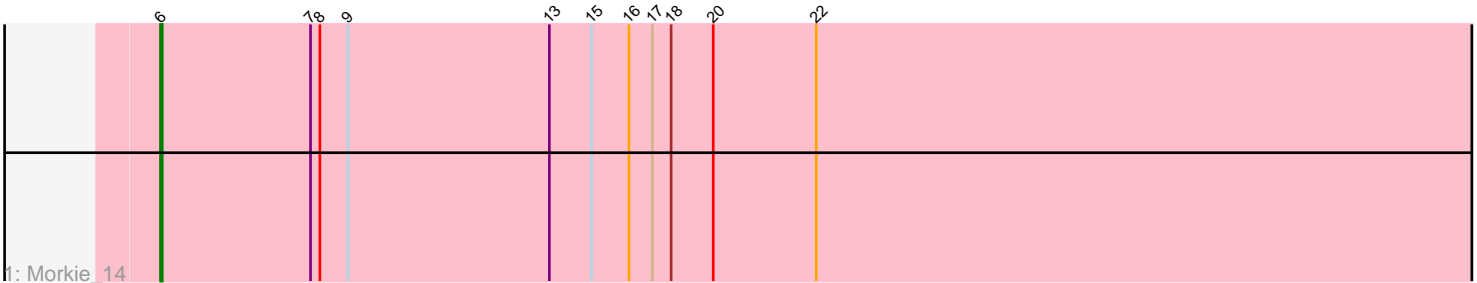
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 88404 Report

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

Pham number 88404 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Morkie_14
• Track 2 : BearBQ_15, Birdsong_15
• Track 3 : Ecliptus_15
• Track 4 : ODay_15
• Track 5 : Kuwabara_15, Apricot_15, Crater_15

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

The start number called the most often in the published annotations is 6, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apricot_15, BearBQ_15, Birdsong_15, Crater_15, Ecliptus_15, Kuwabara_15, Morkie_14, ODay_15,

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 6:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Apricot_15 (DN3), BearBQ_15 (DN), Birdsong_15 (DN), Crater_15 (DN3), Ecliptus_15 (DN), Kuwabara_15 (DN4), Morkie_14 (DH), ODay_15 (DN),

Summary by clusters:

There are 4 clusters represented in this pham: DN, DN4, DH, DN3,

Info for manual annotations of cluster DH:
•Start number 6 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DN:
•Start number 6 was manually annotated 4 times for cluster DN.

Info for manual annotations of cluster DN3:
•Start number 6 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:
•Start number 6 was manually annotated 1 time for cluster DN4.

Gene Information:

Gene: Apricot_15 Start: 8548, Stop: 9389, Start Num: 6
Candidate Starts for Apricot_15:
(5, 8527), (Start: 6 @8548 has 8 MA's), (8, 8650), (9, 8668), (12, 8737), (15, 8824), (17, 8863), (18, 8875), (20, 8902), (21, 8938), (22, 8968), (23, 9019), (24, 9040), (25, 9061), (27, 9220), (28, 9232), (30, 9262), (31, 9295), (34, 9343), (35, 9349),

Gene: BearBQ_15 Start: 8547, Stop: 9373, Start Num: 6
Candidate Starts for BearBQ_15:
(3, 8523), (4, 8526), (Start: 6 @8547 has 8 MA's), (7, 8643), (8, 8649), (9, 8667), (10, 8682), (11, 8727), (14, 8805), (17, 8847), (19, 8883), (25, 9045),

Gene: Birdsong_15 Start: 8547, Stop: 9373, Start Num: 6
Candidate Starts for Birdsong_15:
(3, 8523), (4, 8526), (Start: 6 @8547 has 8 MA's), (7, 8643), (8, 8649), (9, 8667), (10, 8682), (11, 8727), (14, 8805), (17, 8847), (19, 8883), (25, 9045),

Gene: Crater_15 Start: 8548, Stop: 9389, Start Num: 6
Candidate Starts for Crater_15:
(5, 8527), (Start: 6 @8548 has 8 MA's), (8, 8650), (9, 8668), (12, 8737), (15, 8824), (17, 8863), (18, 8875), (20, 8902), (21, 8938), (22, 8968), (23, 9019), (24, 9040), (25, 9061), (27, 9220), (28, 9232), (30, 9262), (31, 9295), (34, 9343), (35, 9349),

Gene: Ecliptus_15 Start: 8276, Stop: 9102, Start Num: 6
Candidate Starts for Ecliptus_15:
(3, 8252), (4, 8255), (Start: 6 @8276 has 8 MA's), (7, 8372), (8, 8378), (9, 8396), (10, 8411), (11, 8456), (14, 8534), (17, 8576), (19, 8612), (26, 8822), (29, 8972), (30, 8975), (31, 9008), (32, 9023), (33, 9047),

Gene: Kuwabara_15 Start: 8548, Stop: 9389, Start Num: 6
Candidate Starts for Kuwabara_15:
(5, 8527), (Start: 6 @8548 has 8 MA's), (8, 8650), (9, 8668), (12, 8737), (15, 8824), (17, 8863), (18, 8875), (20, 8902), (21, 8938), (22, 8968), (23, 9019), (24, 9040), (25, 9061), (27, 9220), (28, 9232), (30, 9262), (31, 9295), (34, 9343), (35, 9349),

Gene: Morkie_14 Start: 7759, Stop: 8609, Start Num: 6
Candidate Starts for Morkie_14:

(Start: 6 @7759 has 8 MA's), (7, 7855), (8, 7861), (9, 7879), (13, 8008), (15, 8035), (16, 8059), (17, 8074), (18, 8086), (20, 8113), (22, 8179),

Gene: ODay_15 Start: 8273, Stop: 9108, Start Num: 6
Candidate Starts for ODay_15:
(1, 8183), (2, 8222), (Start: 6 @8273 has 8 MA's), (7, 8369), (8, 8375), (9, 8393), (10, 8408), (11, 8453), (14, 8531), (17, 8573), (19, 8609), (25, 8771),