Pham 87773

1: Bernal13_12 + 5

2: Mendokysei_11

3: GAL1_13
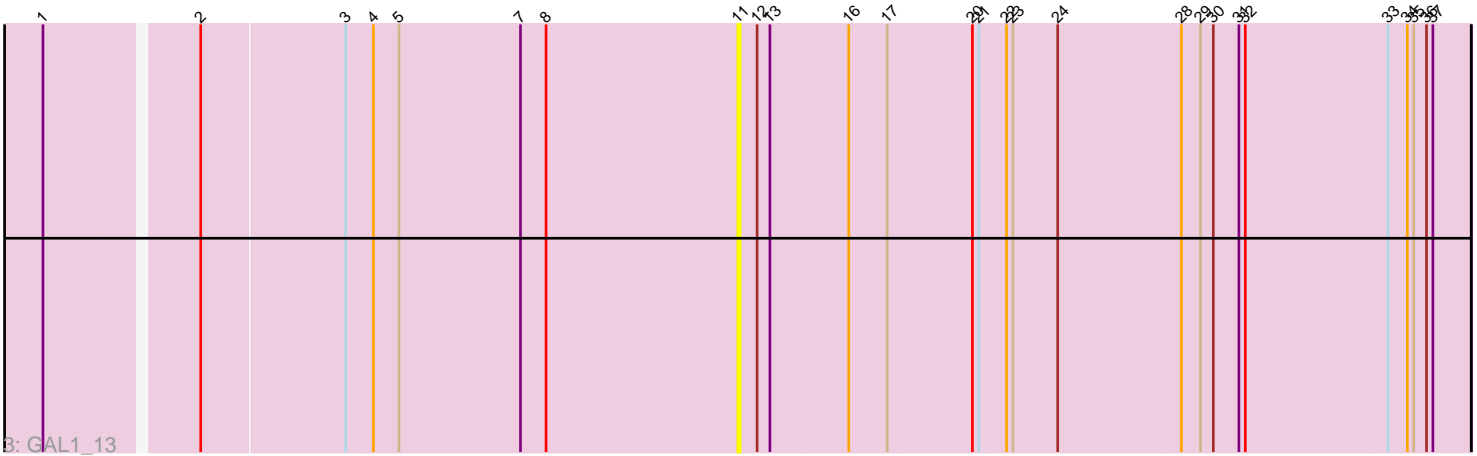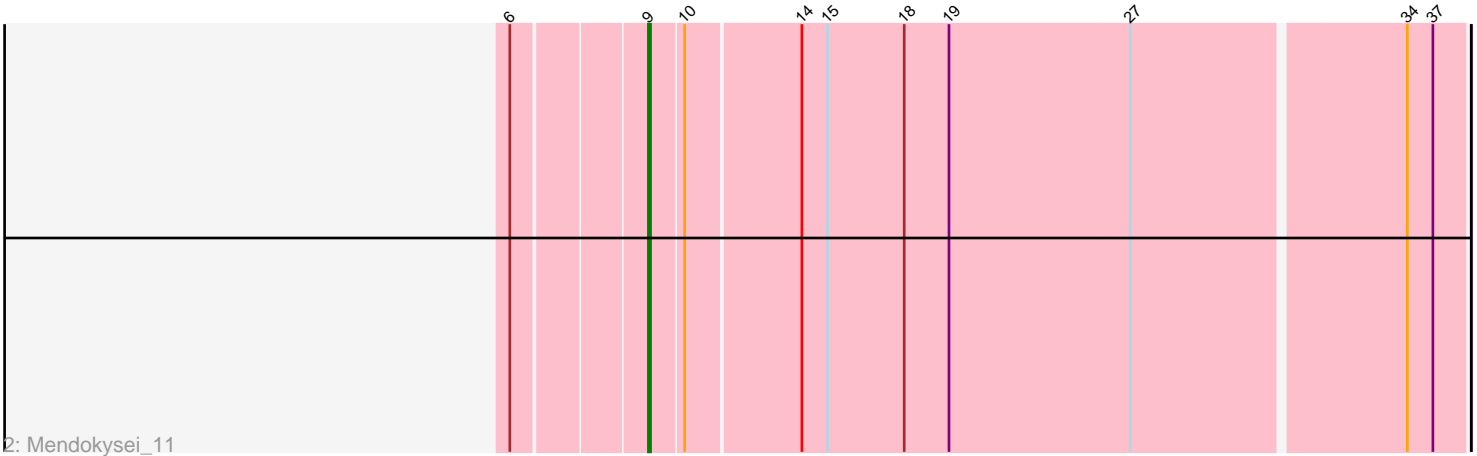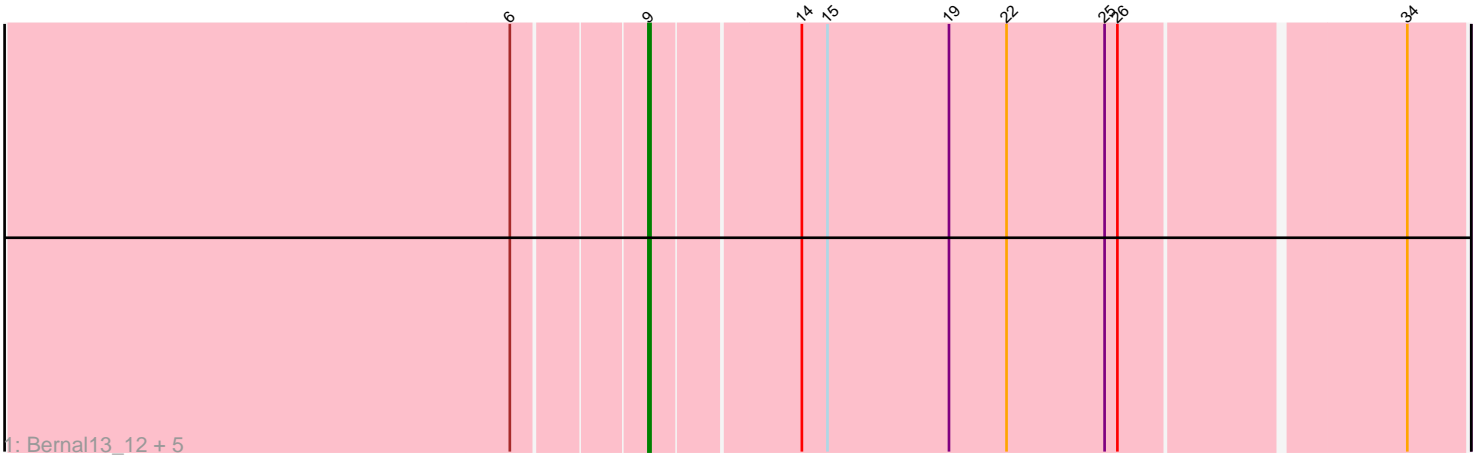
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 87773 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87773 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Bernal13_12, ZenTime222_12, Nairb_12, Whitty_12, RonRayGun_12, Ibrahim_12
• Track 2 : Mendokysei_11
• Track 3 : GAL1_13

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

The start number called the most often in the published annotations is 9, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bernal13_12, Ibrahim_12, Mendokysei_11, Nairb_12, RonRayGun_12, Whitty_12, ZenTime222_12,

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

Genes that do not have the "Most Annotated" start:
• GAL1_13,

Summary by start number:

Start 9:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bernal13_12 (T), Ibrahim_12 (T), Mendokysei_11 (T), Nairb_12 (T), RonRayGun_12 (T), Whitty_12 (T), ZenTime222_12 (T),

Start 11:
• Found in 1 of 8 (12.5%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: GAL1_13 (singleton),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, T,

Info for manual annotations of cluster T:
•Start number 9 was manually annotated 7 times for cluster T.

Gene Information:
Gene: Bernal13_12 Start: 9006, Stop: 9371, Start Num: 9
Candidate Starts for Bernal13_12:
(6, 8949), (Start: 9 @9006 has 7 MA's), (14, 9072), (15, 9084), (19, 9141), (22, 9168), (25, 9213), (26, 9219), (34, 9345),

Gene: GAL1_13 Start: 8895, Stop: 9233, Start Num: 11
Candidate Starts for GAL1_13:
(1, 8580), (2, 8646), (3, 8712), (4, 8724), (5, 8736), (7, 8793), (8, 8805), (11, 8895), (12, 8904), (13, 8910), (16, 8946), (17, 8964), (20, 9003), (21, 9006), (22, 9018), (23, 9021), (24, 9042), (28, 9099), (29, 9108), (30, 9114), (31, 9126), (32, 9129), (33, 9195), (34, 9204), (35, 9207), (36, 9213), (37, 9216),

Gene: Ibrahim_12 Start: 9006, Stop: 9371, Start Num: 9
Candidate Starts for Ibrahim_12:
(6, 8949), (Start: 9 @9006 has 7 MA's), (14, 9072), (15, 9084), (19, 9141), (22, 9168), (25, 9213), (26, 9219), (34, 9345),

Gene: Mendokysei_11 Start: 8981, Stop: 9349, Start Num: 9
Candidate Starts for Mendokysei_11:
(6, 8924), (Start: 9 @8981 has 7 MA's), (10, 8996), (14, 9047), (15, 9059), (18, 9095), (19, 9116), (27, 9200), (34, 9323), (37, 9335),

Gene: Nairb_12 Start: 9006, Stop: 9371, Start Num: 9
Candidate Starts for Nairb_12:
(6, 8949), (Start: 9 @9006 has 7 MA's), (14, 9072), (15, 9084), (19, 9141), (22, 9168), (25, 9213), (26, 9219), (34, 9345),

Gene: RonRayGun_12 Start: 9006, Stop: 9371, Start Num: 9
Candidate Starts for RonRayGun_12:
(6, 8949), (Start: 9 @9006 has 7 MA's), (14, 9072), (15, 9084), (19, 9141), (22, 9168), (25, 9213), (26, 9219), (34, 9345),

Gene: Whitty_12 Start: 9006, Stop: 9371, Start Num: 9
Candidate Starts for Whitty_12:
(6, 8949), (Start: 9 @9006 has 7 MA's), (14, 9072), (15, 9084), (19, 9141), (22, 9168), (25, 9213), (26, 9219), (34, 9345),

Gene: ZenTime222_12 Start: 9006, Stop: 9371, Start Num: 9
Candidate Starts for ZenTime222_12:

(6, 8949), (Start: 9 @9006 has 7 MA's), (14, 9072), (15, 9084), (19, 9141), (22, 9168), (25, 9213), (26, 9219), (34, 9345),