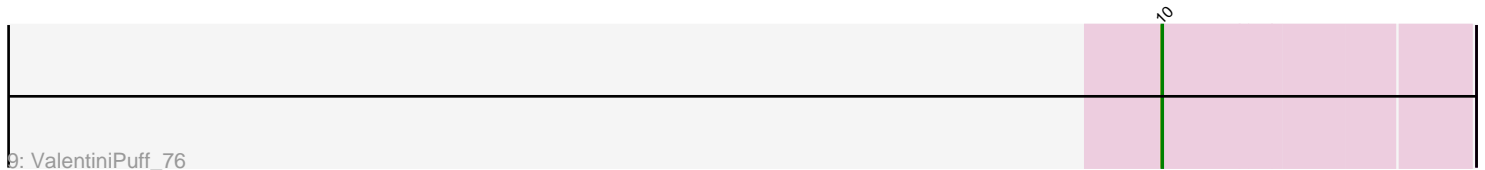
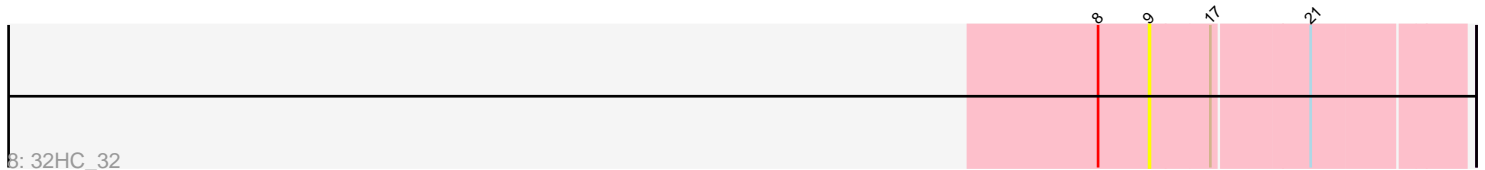
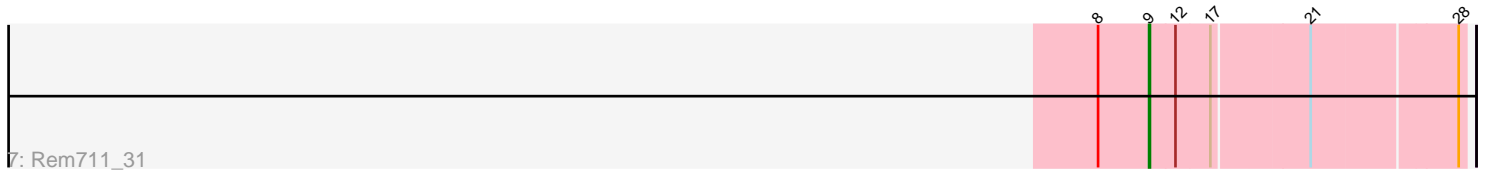
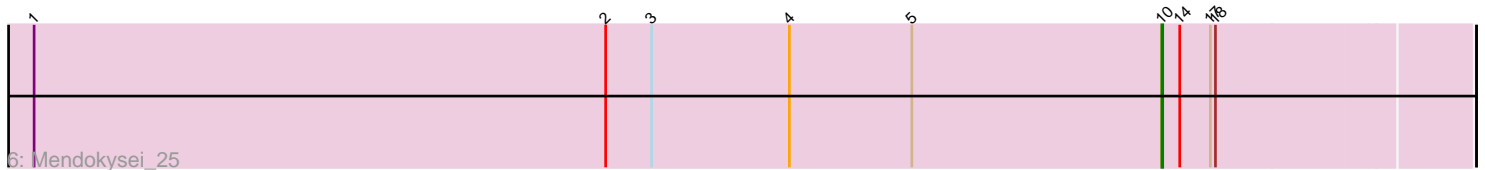
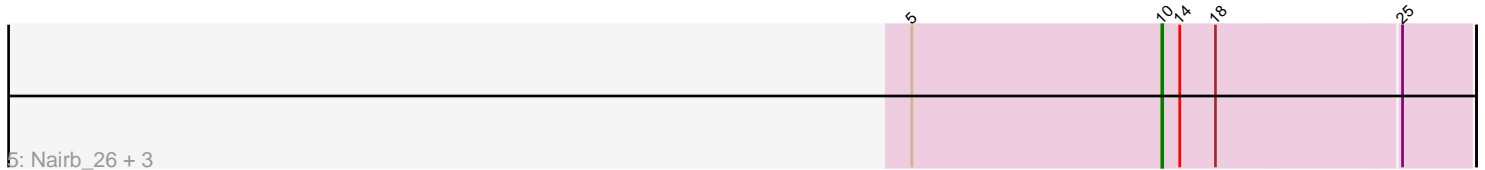


Pham 171864



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 171864 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171864 has 14 members, 1 are drafts.

Phages represented in each track:

- Track 1 : JustASigh_23
- Track 2 : Upyo_26
- Track 3 : Dewdrop_64, Leaf_64
- Track 4 : Bernal13_26, ZenTime222_26
- Track 5 : Nairb_26, RonRayGun_26, Whitty_26, Ibrahim_26
- Track 6 : Mendokysei_25
- Track 7 : Rem711_31
- Track 8 : 32HC_32
- Track 9 : ValentiniPuff_76

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

The start number called the most often in the published annotations is 10, it was called in 9 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Dewdrop_64, Ibrahim_26, Leaf_64, Mendokysei_25, Nairb_26, RonRayGun_26, Upyo_26, ValentiniPuff_76, Whitty_26,

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

- Bernal13_26, ZenTime222_26,

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

- 32HC_32, JustASigh_23, Rem711_31,

Summary by start number:

Start 9:

- Found in 3 of 14 (21.4%) of genes in pham
- Manual Annotations of this start: 2 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 32HC_32 (Z), JustASigh_23 (AH), Rem711_31 (Z),

Start 10:

- Found in 11 of 14 (78.6%) of genes in pham
- Manual Annotations of this start: 9 of 13
- Called 81.8% of time when present
- Phage (with cluster) where this start called: Dewdrop_64 (GC), Ibrahim_26 (T), Leaf_64 (GC), Mendokysei_25 (T), Nairb_26 (T), RonRayGun_26 (T), Upyo_26 (CD), ValentiniPuff_76 (singleton), Whitty_26 (T),

Start 14:

- Found in 7 of 14 (50.0%) of genes in pham
- Manual Annotations of this start: 2 of 13
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Bernal13_26 (T), ZenTime222_26 (T),

Summary by clusters:

There are 6 clusters represented in this pham: singleton, AH, CD, GC, T, Z,

Info for manual annotations of cluster AH:

- Start number 9 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster CD:

- Start number 10 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster GC:

- Start number 10 was manually annotated 2 times for cluster GC.

Info for manual annotations of cluster T:

- Start number 10 was manually annotated 5 times for cluster T.
- Start number 14 was manually annotated 2 times for cluster T.

Info for manual annotations of cluster Z:

- Start number 9 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 32HC_32 Start: 26393, Stop: 26737, Start Num: 9

Candidate Starts for 32HC_32:

(8, 26333), (Start: 9 @26393 has 2 MA's), (17, 26462), (21, 26567),

Gene: Bernal13_26 Start: 23250, Stop: 23579, Start Num: 14

Candidate Starts for Bernal13_26:

(5, 22935), (Start: 10 @23229 has 9 MA's), (Start: 14 @23250 has 2 MA's), (18, 23292), (25, 23499),

Gene: Dewdrop_64 Start: 34457, Stop: 34810, Start Num: 10

Candidate Starts for Dewdrop_64:

(Start: 10 @34457 has 9 MA's), (15, 34499),

Gene: Ibrahim_26 Start: 23229, Stop: 23579, Start Num: 10

Candidate Starts for Ibrahim_26:

(5, 22935), (Start: 10 @23229 has 9 MA's), (Start: 14 @23250 has 2 MA's), (18, 23292), (25, 23499),

Gene: JustASigh_23 Start: 23927, Stop: 24271, Start Num: 9

Candidate Starts for JustASigh_23:

(Start: 9 @23927 has 2 MA's), (13, 23960), (20, 24065), (22, 24119), (26, 24218),

Gene: Leaf_64 Start: 34457, Stop: 34810, Start Num: 10

Candidate Starts for Leaf_64:

(Start: 10 @34457 has 9 MA's), (15, 34499),

Gene: Mendokysei_25 Start: 23038, Stop: 23388, Start Num: 10

Candidate Starts for Mendokysei_25:

(1, 21712), (2, 22384), (3, 22438), (4, 22600), (5, 22744), (Start: 10 @23038 has 9 MA's), (Start: 14 @23059 has 2 MA's), (17, 23095), (18, 23101),

Gene: Nairb_26 Start: 23229, Stop: 23579, Start Num: 10

Candidate Starts for Nairb_26:

(5, 22935), (Start: 10 @23229 has 9 MA's), (Start: 14 @23250 has 2 MA's), (18, 23292), (25, 23499),

Gene: Rem711_31 Start: 26394, Stop: 26738, Start Num: 9

Candidate Starts for Rem711_31:

(8, 26334), (Start: 9 @26394 has 2 MA's), (12, 26424), (17, 26463), (21, 26568), (28, 26730),

Gene: RonRayGun_26 Start: 23229, Stop: 23579, Start Num: 10

Candidate Starts for RonRayGun_26:

(5, 22935), (Start: 10 @23229 has 9 MA's), (Start: 14 @23250 has 2 MA's), (18, 23292), (25, 23499),

Gene: Upyo_26 Start: 21192, Stop: 21551, Start Num: 10

Candidate Starts for Upyo_26:

(6, 20952), (7, 20976), (Start: 10 @21192 has 9 MA's), (11, 21198), (16, 21243), (19, 21300), (23, 21402), (24, 21423), (27, 21531),

Gene: ValentiniPuff_76 Start: 43850, Stop: 44197, Start Num: 10

Candidate Starts for ValentiniPuff_76:

(Start: 10 @43850 has 9 MA's),

Gene: Whitty_26 Start: 23229, Stop: 23579, Start Num: 10

Candidate Starts for Whitty_26:

(5, 22935), (Start: 10 @23229 has 9 MA's), (Start: 14 @23250 has 2 MA's), (18, 23292), (25, 23499),

Gene: ZenTime222_26 Start: 23250, Stop: 23579, Start Num: 14

Candidate Starts for ZenTime222_26:

(5, 22935), (Start: 10 @23229 has 9 MA's), (Start: 14 @23250 has 2 MA's), (18, 23292), (25, 23499),