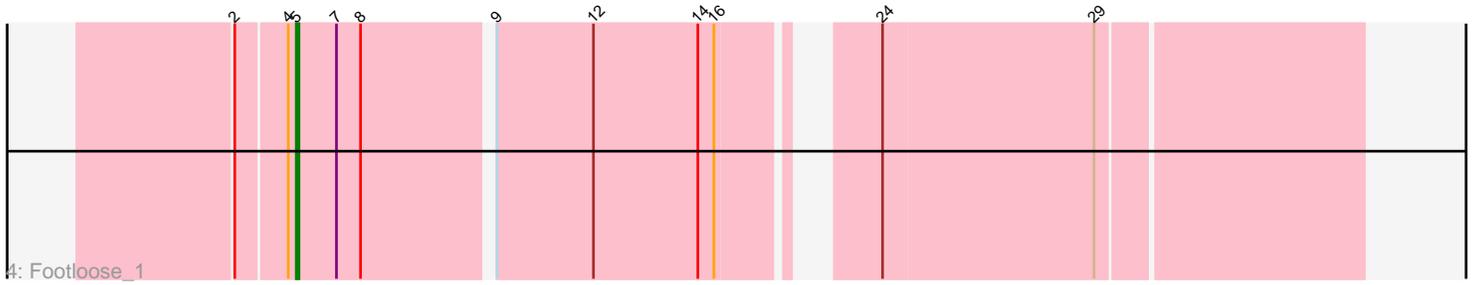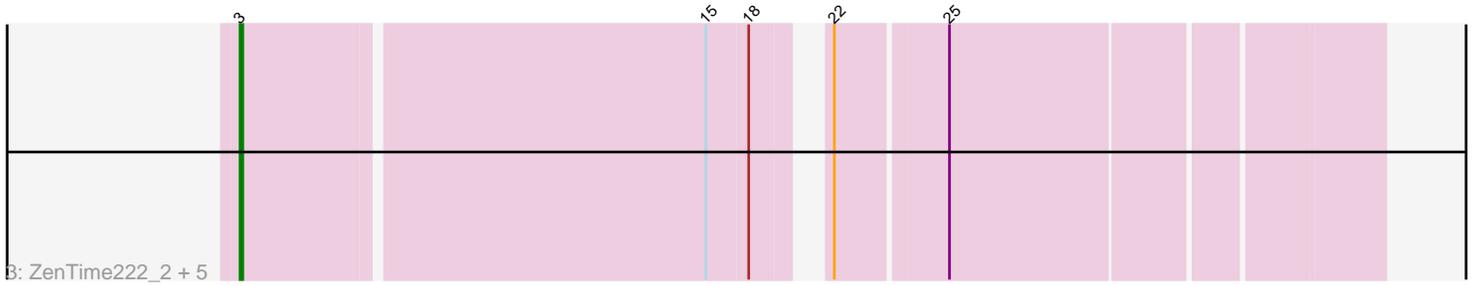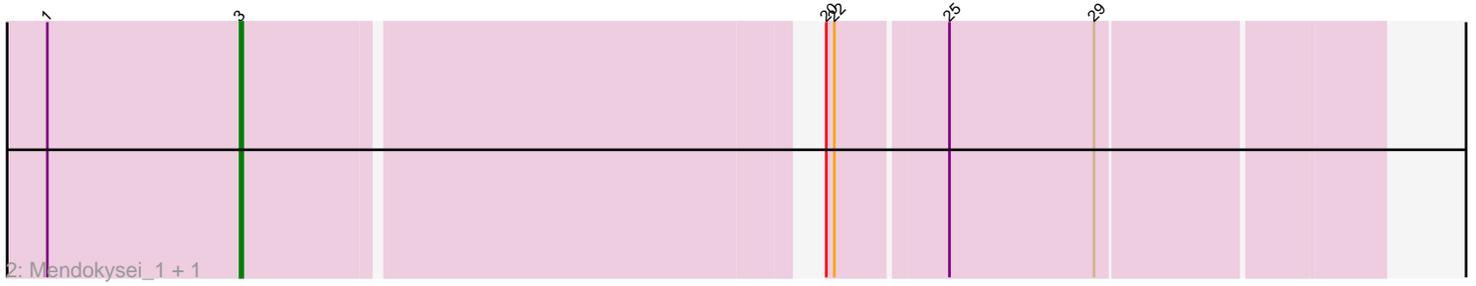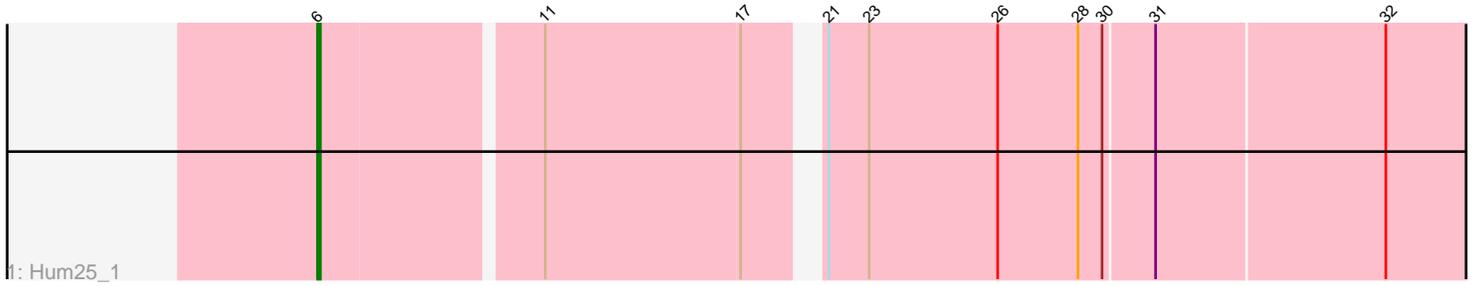# Pham 291712

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 291712 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291712 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Hum25_1
• Track 2 : Mendokysei_1, Nette_1
• Track 3 : ZenTime222_2, Whitty_2, Ibrahim_2, RonRayGun_2, Bernal13_2, Nairb_2
• Track 4 : Footloose_1
• Track 5 : P3MA_1

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

The start number called the most often in the published annotations is 3, it was called in 7 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bernal13_2, Ibrahim_2, Mendokysei_1, Nairb_2, Nette_1, RonRayGun_2, Whitty_2, ZenTime222_2,

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

Genes that do not have the "Most Annotated" start:
• Footloose_1, Hum25_1, P3MA_1,

Summary by start number:

Start 2:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: P3MA_1 (singleton),

Start 3:
• Found in 8 of 11 (72.7%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bernal13_2 (T), Ibrahim_2 (T), Mendokysei_1 (T), Nairb_2 (T), Nette_1 (T), RonRayGun_2 (T), Whitty_2 (T), ZenTime222_2 (T),

Start 5:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Footloose_1 (singleton),

Start 6:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hum25_1 (FQ),

Summary by clusters:

There are 3 clusters represented in this pham: FQ, singleton, T,

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

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

Gene Information:
Gene: Bernal13_2 Start: 332, Stop: 724, Start Num: 3
Candidate Starts for Bernal13_2:
(Start: 3 @332 has 7 MA's), (15, 500), (18, 515), (22, 533), (25, 572),

Gene: Footloose_1 Start: 79, Stop: 444, Start Num: 5
Candidate Starts for Footloose_1:
(Start: 2 @58 has 1 MA's), (4, 76), (Start: 5 @79 has 1 MA's), (7, 94), (8, 103), (9, 148), (12, 184), (14, 223), (16, 229), (24, 271), (29, 349),

Gene: Hum25_1 Start: 52, Stop: 471, Start Num: 6
Candidate Starts for Hum25_1:
(Start: 6 @52 has 1 MA's), (11, 130), (17, 202), (21, 223), (23, 238), (26, 286), (28, 316), (30, 325), (31, 343), (32, 427),

Gene: Ibrahim_2 Start: 332, Stop: 724, Start Num: 3
Candidate Starts for Ibrahim_2:
(Start: 3 @332 has 7 MA's), (15, 500), (18, 515), (22, 533), (25, 572),

Gene: Mendokysei_1 Start: 90, Stop: 485, Start Num: 3
Candidate Starts for Mendokysei_1:
(1, 18), (Start: 3 @90 has 7 MA's), (20, 288), (22, 291), (25, 330), (29, 384),

Gene: Nairb_2 Start: 332, Stop: 724, Start Num: 3

Candidate Starts for Nairb_2:
(Start: 3 @332 has 7 MA's), (15, 500), (18, 515), (22, 533), (25, 572),

Gene: Nette_1 Start: 90, Stop: 485, Start Num: 3
Candidate Starts for Nette_1:
(1, 18), (Start: 3 @90 has 7 MA's), (20, 288), (22, 291), (25, 330), (29, 384),

Gene: P3MA_1 Start: 159, Stop: 587, Start Num: 2
Candidate Starts for P3MA_1:
(Start: 2 @159 has 1 MA's), (10, 255), (13, 291), (19, 366), (27, 444),

Gene: RonRayGun_2 Start: 332, Stop: 724, Start Num: 3
Candidate Starts for RonRayGun_2:
(Start: 3 @332 has 7 MA's), (15, 500), (18, 515), (22, 533), (25, 572),

Gene: Whitty_2 Start: 332, Stop: 724, Start Num: 3
Candidate Starts for Whitty_2:
(Start: 3 @332 has 7 MA's), (15, 500), (18, 515), (22, 533), (25, 572),

Gene: ZenTime222_2 Start: 332, Stop: 724, Start Num: 3
Candidate Starts for ZenTime222_2:
(Start: 3 @332 has 7 MA's), (15, 500), (18, 515), (22, 533), (25, 572),