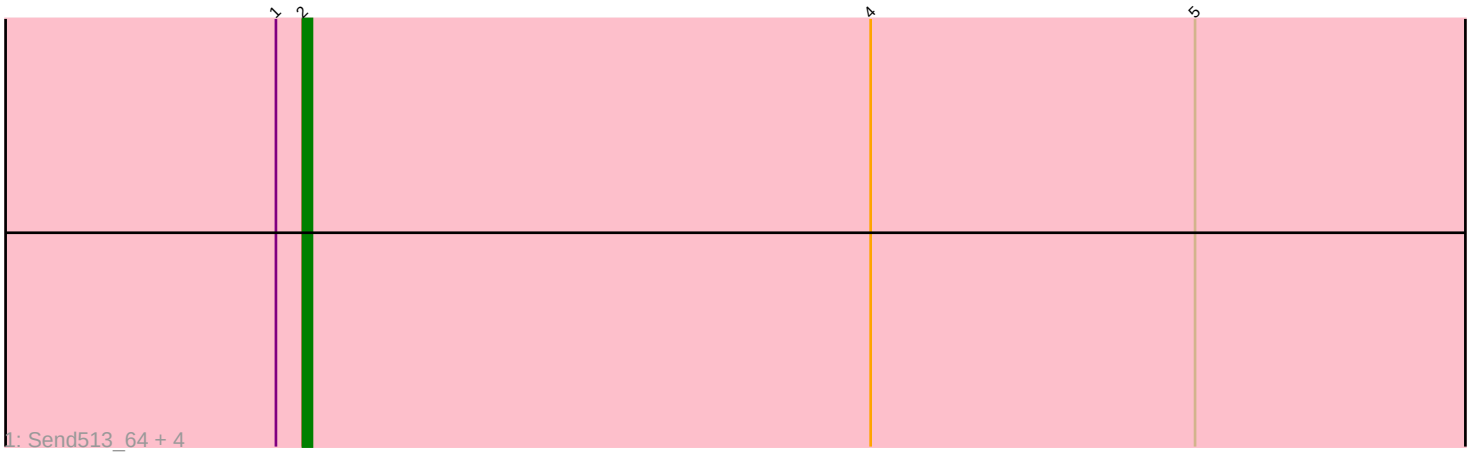
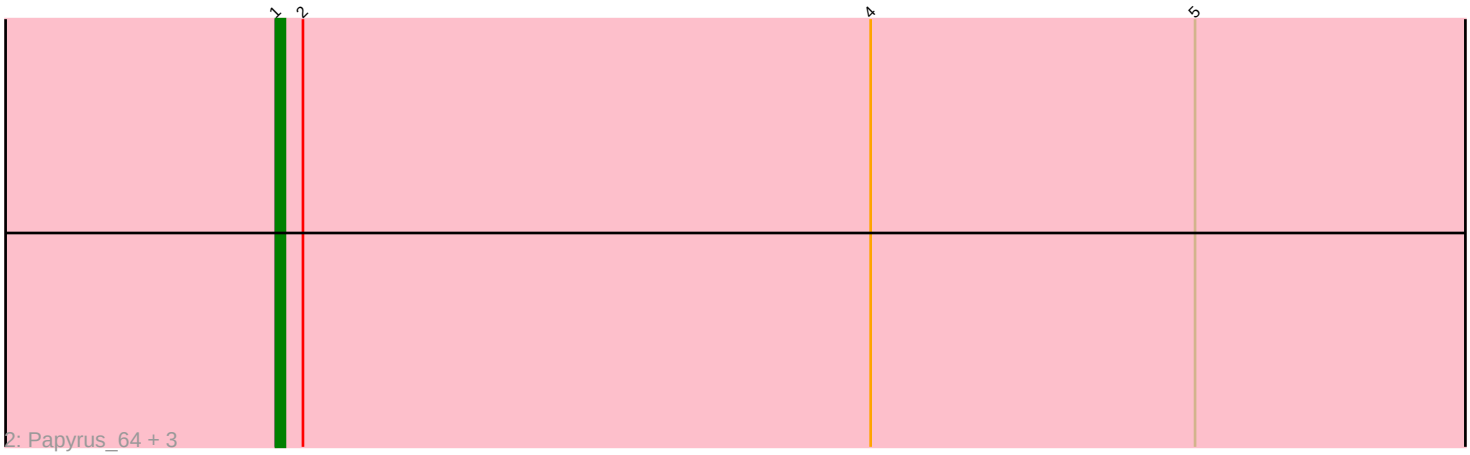
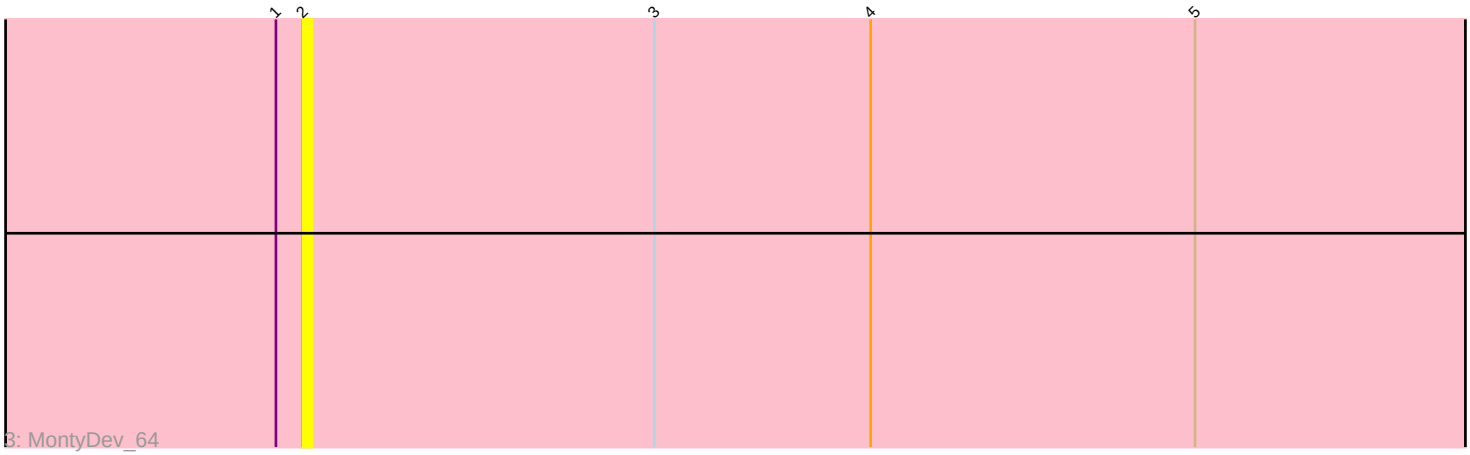
Pham 6426







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 6426 Report

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

Pham number 6426 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Send513_64, Weiss13_63, Yelo_63, Candle_62, Zenon_65
• Track 2 : Papyrus_64, Nilo_66, Rope_64, Riparian_66
• Track 3 : MontyDev_64

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_62, MontyDev_64, Send513_64, Weiss13_63, Yelo_63, Zenon_65,

Genes that have the "Most Annotated" start but do not call it:
• Nilo_66, Papyrus_64, Riparian_66, Rope_64,

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

Summary by start number:

Start 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Nilo_66 (R), Papyrus_64 (R), Riparian_66 (R), Rope_64 (R),

Start 2:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Candle_62 (R), MontyDev_64 (R), Send513_64 (R), Weiss13_63 (R), Yelo_63 (R), Zenon_65 (R),

Summary by clusters:

There is one cluster represented in this pham: R

Info for manual annotations of cluster R:
•Start number 1 was manually annotated 4 times for cluster R.
•Start number 2 was manually annotated 4 times for cluster R.

Gene Information:

Gene: Candle_62 Start: 47352, Stop: 47495, Start Num: 2
Candidate Starts for Candle_62:
(Start: 1 @47349 has 4 MA's), (Start: 2 @47352 has 4 MA's), (4, 47415), (5, 47451),

Gene: MontyDev_64 Start: 46999, Stop: 47142, Start Num: 2
Candidate Starts for MontyDev_64:
(Start: 1 @46996 has 4 MA's), (Start: 2 @46999 has 4 MA's), (3, 47038), (4, 47062), (5, 47098),

Gene: Nilo_66 Start: 47349, Stop: 47495, Start Num: 1
Candidate Starts for Nilo_66:
(Start: 1 @47349 has 4 MA's), (Start: 2 @47352 has 4 MA's), (4, 47415), (5, 47451),

Gene: Papyrus_64 Start: 47204, Stop: 47350, Start Num: 1
Candidate Starts for Papyrus_64:
(Start: 1 @47204 has 4 MA's), (Start: 2 @47207 has 4 MA's), (4, 47270), (5, 47306),

Gene: Riparian_66 Start: 46797, Stop: 46943, Start Num: 1
Candidate Starts for Riparian_66:
(Start: 1 @46797 has 4 MA's), (Start: 2 @46800 has 4 MA's), (4, 46863), (5, 46899),

Gene: Rope_64 Start: 47195, Stop: 47341, Start Num: 1
Candidate Starts for Rope_64:
(Start: 1 @47195 has 4 MA's), (Start: 2 @47198 has 4 MA's), (4, 47261), (5, 47297),

Gene: Send513_64 Start: 47332, Stop: 47475, Start Num: 2
Candidate Starts for Send513_64:
(Start: 1 @47329 has 4 MA's), (Start: 2 @47332 has 4 MA's), (4, 47395), (5, 47431),

Gene: Weiss13_63 Start: 47037, Stop: 47180, Start Num: 2
Candidate Starts for Weiss13_63:
(Start: 1 @47034 has 4 MA's), (Start: 2 @47037 has 4 MA's), (4, 47100), (5, 47136),

Gene: Yelo_63 Start: 47415, Stop: 47558, Start Num: 2
Candidate Starts for Yelo_63:
(Start: 1 @47412 has 4 MA's), (Start: 2 @47415 has 4 MA's), (4, 47478), (5, 47514),

Gene: Zenon_65 Start: 47361, Stop: 47504, Start Num: 2
Candidate Starts for Zenon_65:
(Start: 1 @47358 has 4 MA's), (Start: 2 @47361 has 4 MA's), (4, 47424), (5, 47460),