Pham 6276

1: Riparian_75 + 6

2: Yelo_72

3: Papyrus_73 + 1
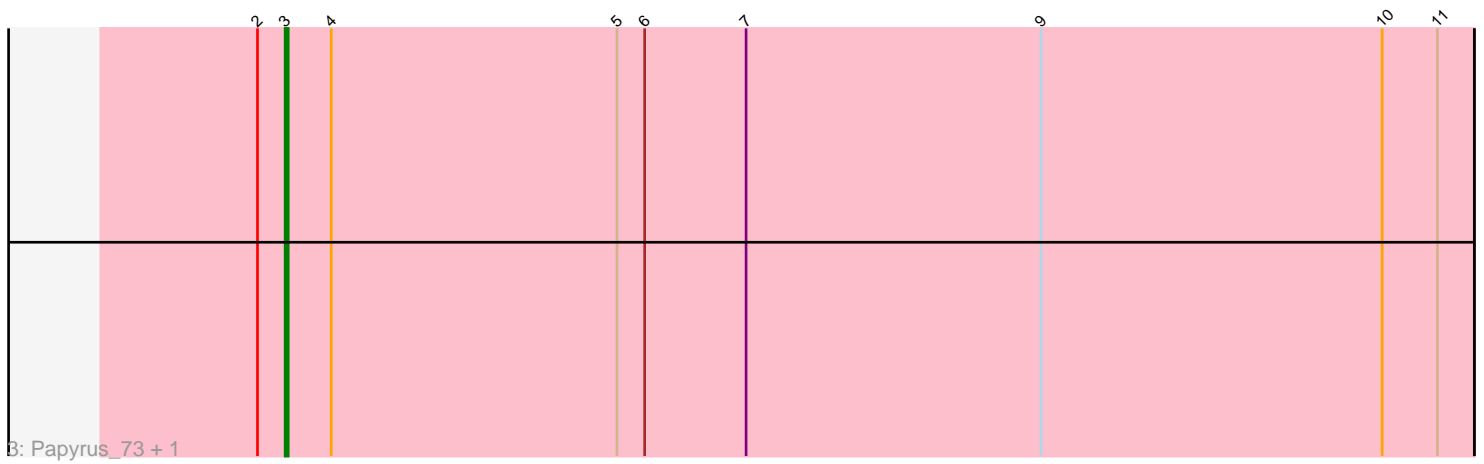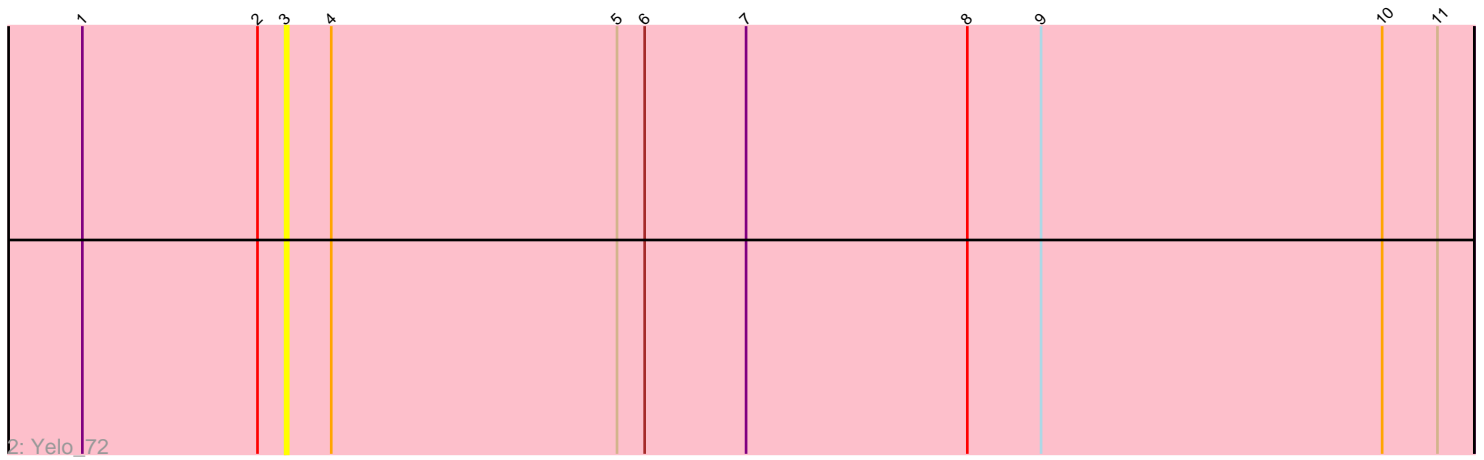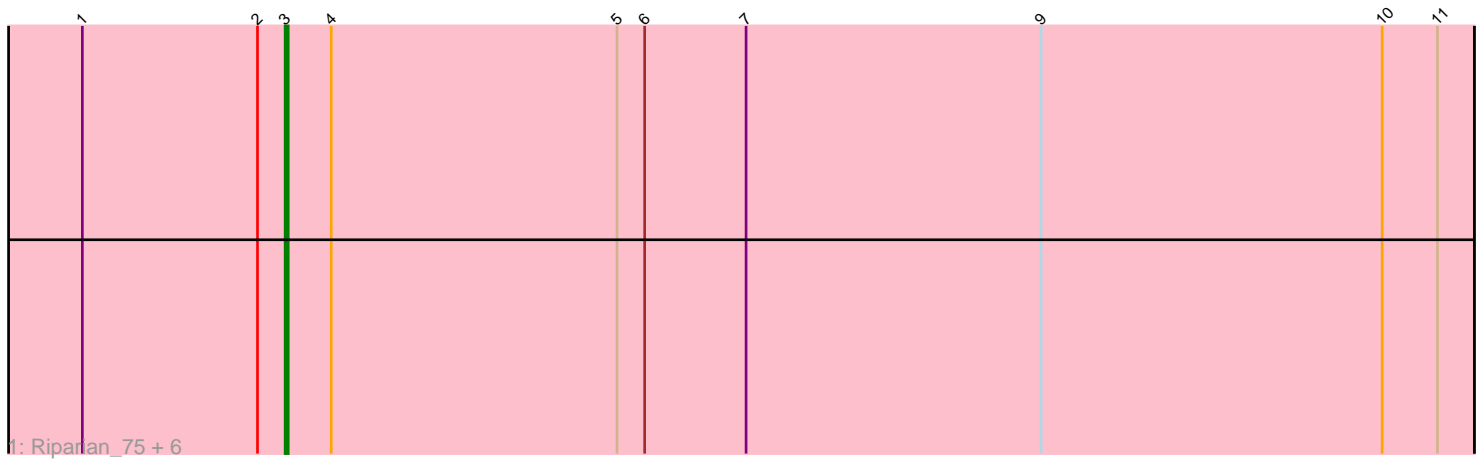
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 6276 Report

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

Pham number 6276 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Riparian_75, MontyDev_73, Send513_73, Nilo_75, Zenon_75, Weiss13_73, Candle_71
• Track 2 : Yelo_72
• Track 3 : Papyrus_73, Rope_73

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_71, MontyDev_73, Nilo_75, Papyrus_73, Riparian_75, Rope_73, Send513_73, Weiss13_73, Yelo_72, Zenon_75,

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 3:
• Found in 10 of 10 (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: Candle_71 (R), MontyDev_73 (R), Nilo_75 (R), Papyrus_73 (R), Riparian_75 (R), Rope_73 (R), Send513_73 (R), Weiss13_73 (R), Yelo_72 (R), Zenon_75 (R),

Summary by clusters:

There is one cluster represented in this pham: R

Info for manual annotations of cluster R:
•Start number 3 was manually annotated 8 times for cluster R.

Gene Information:

Gene: Candle_71 Start: 55538, Stop: 55924, Start Num: 3
Candidate Starts for Candle_71:
(1, 55472), (2, 55529), (Start: 3 @55538 has 8 MA's), (4, 55553), (5, 55646), (6, 55655), (7, 55688), (9, 55784), (10, 55895), (11, 55913),

Gene: MontyDev_73 Start: 55178, Stop: 55564, Start Num: 3
Candidate Starts for MontyDev_73:
(1, 55112), (2, 55169), (Start: 3 @55178 has 8 MA's), (4, 55193), (5, 55286), (6, 55295), (7, 55328), (9, 55424), (10, 55535), (11, 55553),

Gene: Nilo_75 Start: 55535, Stop: 55921, Start Num: 3
Candidate Starts for Nilo_75:
(1, 55469), (2, 55526), (Start: 3 @55535 has 8 MA's), (4, 55550), (5, 55643), (6, 55652), (7, 55685), (9, 55781), (10, 55892), (11, 55910),

Gene: Papyrus_73 Start: 55146, Stop: 55532, Start Num: 3
Candidate Starts for Papyrus_73:
(2, 55137), (Start: 3 @55146 has 8 MA's), (4, 55161), (5, 55254), (6, 55263), (7, 55296), (9, 55392), (10, 55503), (11, 55521),

Gene: Riparian_75 Start: 54982, Stop: 55368, Start Num: 3
Candidate Starts for Riparian_75:
(1, 54916), (2, 54973), (Start: 3 @54982 has 8 MA's), (4, 54997), (5, 55090), (6, 55099), (7, 55132), (9, 55228), (10, 55339), (11, 55357),

Gene: Rope_73 Start: 55138, Stop: 55524, Start Num: 3
Candidate Starts for Rope_73:
(2, 55129), (Start: 3 @55138 has 8 MA's), (4, 55153), (5, 55246), (6, 55255), (7, 55288), (9, 55384), (10, 55495), (11, 55513),

Gene: Send513_73 Start: 55516, Stop: 55902, Start Num: 3
Candidate Starts for Send513_73:
(1, 55450), (2, 55507), (Start: 3 @55516 has 8 MA's), (4, 55531), (5, 55624), (6, 55633), (7, 55666), (9, 55762), (10, 55873), (11, 55891),

Gene: Weiss13_73 Start: 55219, Stop: 55605, Start Num: 3
Candidate Starts for Weiss13_73:
(1, 55153), (2, 55210), (Start: 3 @55219 has 8 MA's), (4, 55234), (5, 55327), (6, 55336), (7, 55369), (9, 55465), (10, 55576), (11, 55594),

Gene: Yelo_72 Start: 55598, Stop: 55984, Start Num: 3
Candidate Starts for Yelo_72:
(1, 55532), (2, 55589), (Start: 3 @55598 has 8 MA's), (4, 55613), (5, 55706), (6, 55715), (7, 55748), (8, 55820), (9, 55844), (10, 55955), (11, 55973),

Gene: Zenon_75 Start: 55542, Stop: 55928, Start Num: 3

Candidate Starts for Zenon_75:
(1, 55476), (2, 55533), (Start: 3 @55542 has 8 MA's), (4, 55557), (5, 55650), (6, 55659), (7, 55692), (9, 55788), (10, 55899), (11, 55917),