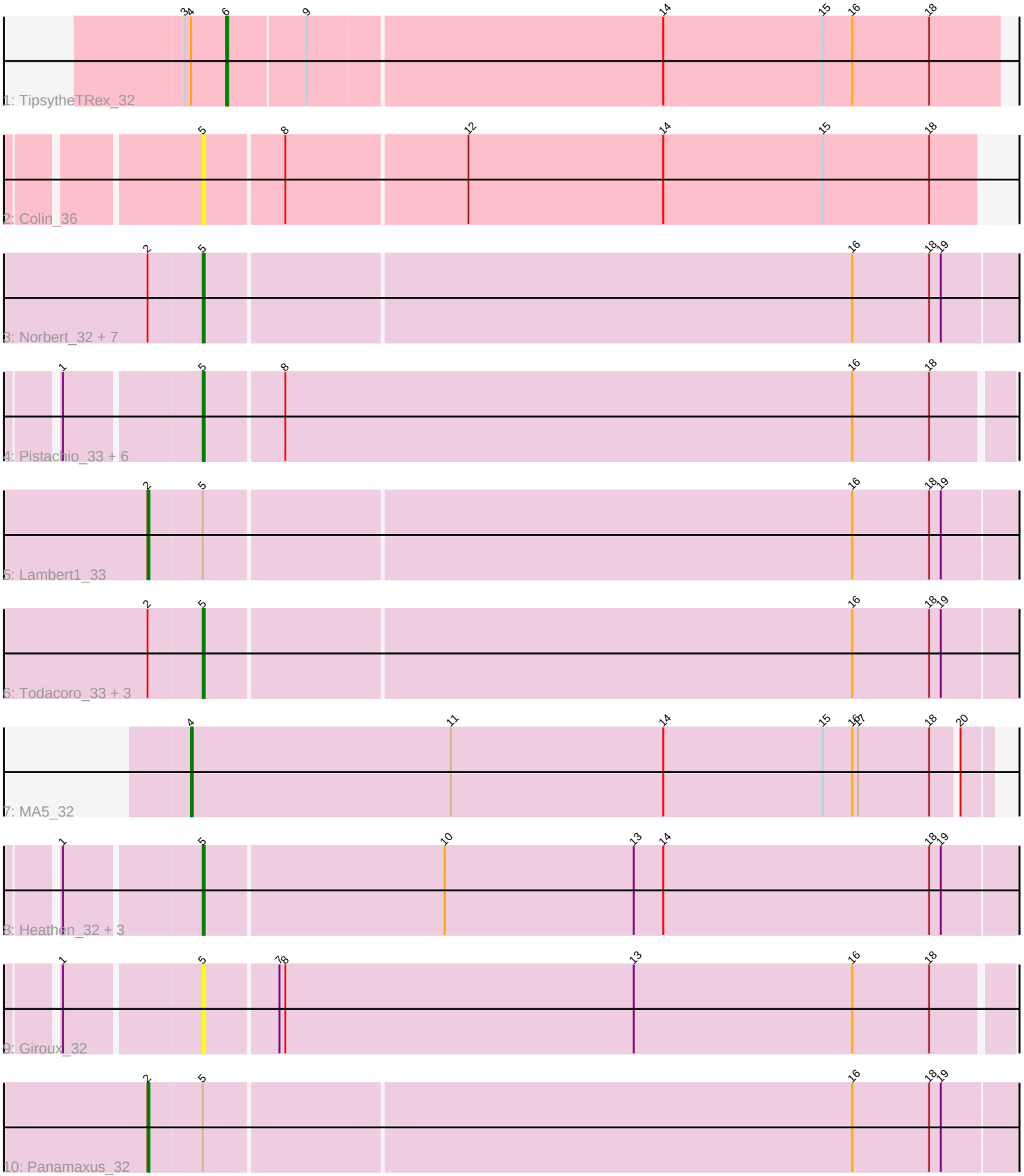
Pham 3145


1: TipsytheTRex_32
2: Colin_36
3: Norbert_32 + 7
4: Pistachio_33 + 6
5: Lambert1_33
6: Todacoro_33 + 3
7: MA5_32
8: Heathen_32 + 3
9: Giroux_32
10: Panamaxus_32

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 3145 Report

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

Pham number 3145 has 29 members, 5 are drafts.

Phages represented in each track:
• Track 1 : TipsytheTRex_32
• Track 2 : Colin_36
• Track 3 : Norbert_32, Noella_33, ResDef_33, Texage_32, Popcicle_33, Caviar_33, Pocahontas_33, Hookmount_33
• Track 4 : Pistachio_33, Bugatti_32, SaturnRing_32, TNguyen7_32, Idleandcovert_32, Puppy_33, BlueBird_33
• Track 5 : Lambert1_33
• Track 6 : Todacoro_33, QuinnKiro_32, Margo_33, Veracruz_32
• Track 7 : MA5_32
• Track 8 : Heathen_32, Fred313_32, Scout_32, HelDan_32
• Track 9 : Giroux_32
• Track 10 : Panamaxus_32

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

The start number called the most often in the published annotations is 5, it was called in 20 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlueBird_33, Bugatti_32, Caviar_33, Colin_36, Fred313_32, Giroux_32, Heathen_32, HelDan_32, Hookmount_33, Idleandcovert_32, Margo_33, Noella_33, Norbert_32, Pistachio_33, Pocahontas_33, Popcicle_33, Puppy_33, QuinnKiro_32, ResDef_33, SaturnRing_32, Scout_32, TNguyen7_32, Texage_32, Todacoro_33, Veracruz_32,

Genes that have the "Most Annotated" start but do not call it:
• Lambert1_33, Panamaxus_32,

Genes that do not have the "Most Annotated" start:
• MA5_32, TipsytheTRex_32,

Summary by start number:

Start 2:

• Found in 14 of 29 (48.3%) of genes in pham
• Manual Annotations of this start: 2 of 24
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Lambert1_33 (A3), Panamaxus_32 (A3),

Start 4:
• Found in 2 of 29 (6.9%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 50.0% of time when present
• Phage (with cluster) where this start called: MA5_32 (A3),

Start 5:
• Found in 27 of 29 (93.1%) of genes in pham
• Manual Annotations of this start: 20 of 24
• Called 92.6% of time when present
• Phage (with cluster) where this start called: BlueBird_33 (A3), Bugatti_32 (A3), Caviar_33 (A3), Colin_36 (A2), Fred313_32 (A3), Giroux_32 (A3), Heathen_32 (A3), HelDan_32 (A3), Hookmount_33 (A3), Idleandcovert_32 (A3), Margo_33 (A3), Noella_33 (A3), Norbert_32 (A3), Pistachio_33 (A3), Pocahontas_33 (A3), Popcicle_33 (A3), Puppy_33 (A3), QuinnKiro_32 (A3), ResDef_33 (A3), SaturnRing_32 (A3), Scout_32 (A3), TNguyen7_32 (A3), Texage_32 (A3), Todacoro_33 (A3), Veracruz_32 (A3),

Start 6:
• Found in 1 of 29 (3.4%) of genes in pham
• Manual Annotations of this start: 1 of 24
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TipsytheTRex_32 (A2),

Summary by clusters:

There are 2 clusters represented in this pham: A3, A2,

Info for manual annotations of cluster A2:
•Start number 6 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A3:
•Start number 2 was manually annotated 2 times for cluster A3.
•Start number 4 was manually annotated 1 time for cluster A3.
•Start number 5 was manually annotated 20 times for cluster A3.

Gene Information:

Gene: BlueBird_33 Start: 25156, Stop: 24752, Start Num: 5
Candidate Starts for BlueBird_33:
(1, 25222), (Start: 5 @25156 has 20 MA's), (8, 25117), (16, 24829), (18, 24790),

Gene: Bugatti_32 Start: 25156, Stop: 24752, Start Num: 5
Candidate Starts for Bugatti_32:
(1, 25222), (Start: 5 @25156 has 20 MA's), (8, 25117), (16, 24829), (18, 24790),

Gene: Caviar_33 Start: 25697, Stop: 25290, Start Num: 5
Candidate Starts for Caviar_33:
(Start: 2 @25724 has 2 MA's), (Start: 5 @25697 has 20 MA's), (16, 25373), (18, 25334), (19, 25328),

Gene: Colin_36 Start: 26702, Stop: 26316, Start Num: 5
Candidate Starts for Colin_36:
(Start: 5 @26702 has 20 MA's), (8, 26663), (12, 26573), (14, 26474), (15, 26393), (18, 26339),

Gene: Fred313_32 Start: 24908, Stop: 24498, Start Num: 5
Candidate Starts for Fred313_32:
(1, 24974), (Start: 5 @24908 has 20 MA's), (10, 24788), (13, 24692), (14, 24677), (18, 24542), (19, 24536),

Gene: Giroux_32 Start: 25155, Stop: 24751, Start Num: 5
Candidate Starts for Giroux_32:
(1, 25221), (Start: 5 @25155 has 20 MA's), (7, 25119), (8, 25116), (13, 24939), (16, 24828), (18, 24789),

Gene: Heathen_32 Start: 24964, Stop: 24554, Start Num: 5
Candidate Starts for Heathen_32:
(1, 25030), (Start: 5 @24964 has 20 MA's), (10, 24844), (13, 24748), (14, 24733), (18, 24598), (19, 24592),

Gene: HelDan_32 Start: 25216, Stop: 24806, Start Num: 5
Candidate Starts for HelDan_32:
(1, 25282), (Start: 5 @25216 has 20 MA's), (10, 25096), (13, 25000), (14, 24985), (18, 24850), (19, 24844),

Gene: Hookmount_33 Start: 25698, Stop: 25291, Start Num: 5
Candidate Starts for Hookmount_33:
(Start: 2 @25725 has 2 MA's), (Start: 5 @25698 has 20 MA's), (16, 25374), (18, 25335), (19, 25329),

Gene: Idleandcovert_32 Start: 25156, Stop: 24752, Start Num: 5
Candidate Starts for Idleandcovert_32:
(1, 25222), (Start: 5 @25156 has 20 MA's), (8, 25117), (16, 24829), (18, 24790),

Gene: Lambert1_33 Start: 25724, Stop: 25290, Start Num: 2
Candidate Starts for Lambert1_33:
(Start: 2 @25724 has 2 MA's), (Start: 5 @25697 has 20 MA's), (16, 25373), (18, 25334), (19, 25328),

Gene: MA5_32 Start: 24773, Stop: 24372, Start Num: 4
Candidate Starts for MA5_32:
(Start: 4 @24773 has 1 MA's), (11, 24641), (14, 24533), (15, 24452), (16, 24437), (17, 24434), (18, 24398), (20, 24386),

Gene: Margo_33 Start: 25723, Stop: 25316, Start Num: 5
Candidate Starts for Margo_33:
(Start: 2 @25750 has 2 MA's), (Start: 5 @25723 has 20 MA's), (16, 25399), (18, 25360), (19, 25354),

Gene: Noella_33 Start: 25698, Stop: 25291, Start Num: 5
Candidate Starts for Noella_33:
(Start: 2 @25725 has 2 MA's), (Start: 5 @25698 has 20 MA's), (16, 25374), (18, 25335), (19, 25329),

Gene: Norbert_32 Start: 25697, Stop: 25290, Start Num: 5
Candidate Starts for Norbert_32:
(Start: 2 @25724 has 2 MA's), (Start: 5 @25697 has 20 MA's), (16, 25373), (18, 25334), (19, 25328),

Gene: Panamaxus_32 Start: 25724, Stop: 25290, Start Num: 2
Candidate Starts for Panamaxus_32:
(Start: 2 @25724 has 2 MA's), (Start: 5 @25697 has 20 MA's), (16, 25373), (18, 25334), (19, 25328),

Gene: Pistachio_33 Start: 24703, Stop: 24299, Start Num: 5
Candidate Starts for Pistachio_33:
(1, 24769), (Start: 5 @24703 has 20 MA's), (8, 24664), (16, 24376), (18, 24337),

Gene: Pocahontas_33 Start: 25694, Stop: 25287, Start Num: 5
Candidate Starts for Pocahontas_33:
(Start: 2 @25721 has 2 MA's), (Start: 5 @25694 has 20 MA's), (16, 25370), (18, 25331), (19, 25325),

Gene: Popcicle_33 Start: 25694, Stop: 25287, Start Num: 5
Candidate Starts for Popcicle_33:
(Start: 2 @25721 has 2 MA's), (Start: 5 @25694 has 20 MA's), (16, 25370), (18, 25331), (19, 25325),

Gene: Puppy_33 Start: 24773, Stop: 24369, Start Num: 5
Candidate Starts for Puppy_33:
(1, 24839), (Start: 5 @24773 has 20 MA's), (8, 24734), (16, 24446), (18, 24407),

Gene: QuinnKiro_32 Start: 25697, Stop: 25290, Start Num: 5
Candidate Starts for QuinnKiro_32:
(Start: 2 @25724 has 2 MA's), (Start: 5 @25697 has 20 MA's), (16, 25373), (18, 25334), (19, 25328),

Gene: ResDef_33 Start: 25697, Stop: 25290, Start Num: 5
Candidate Starts for ResDef_33:
(Start: 2 @25724 has 2 MA's), (Start: 5 @25697 has 20 MA's), (16, 25373), (18, 25334), (19, 25328),

Gene: SaturnRing_32 Start: 25156, Stop: 24752, Start Num: 5
Candidate Starts for SaturnRing_32:
(1, 25222), (Start: 5 @25156 has 20 MA's), (8, 25117), (16, 24829), (18, 24790),

Gene: Scout_32 Start: 24463, Stop: 24053, Start Num: 5
Candidate Starts for Scout_32:
(1, 24529), (Start: 5 @24463 has 20 MA's), (10, 24343), (13, 24247), (14, 24232), (18, 24097), (19, 24091),

Gene: TNguyen7_32 Start: 25124, Stop: 24720, Start Num: 5
Candidate Starts for TNguyen7_32:
(1, 25190), (Start: 5 @25124 has 20 MA's), (8, 25085), (16, 24797), (18, 24758),

Gene: Texage_32 Start: 25698, Stop: 25291, Start Num: 5
Candidate Starts for Texage_32:
(Start: 2 @25725 has 2 MA's), (Start: 5 @25698 has 20 MA's), (16, 25374), (18, 25335), (19, 25329),

Gene: TipsytheTRex_32 Start: 24818, Stop: 24432, Start Num: 6
Candidate Starts for TipsytheTRex_32:
(3, 24839), (Start: 4 @24836 has 1 MA's), (Start: 6 @24818 has 1 MA's), (9, 24779), (14, 24602), (15, 24521), (16, 24506), (18, 24467),

Gene: Todacoro_33 Start: 25697, Stop: 25290, Start Num: 5
Candidate Starts for Todacoro_33:
(Start: 2 @25724 has 2 MA's), (Start: 5 @25697 has 20 MA's), (16, 25373), (18, 25334), (19, 25328),

Gene: Veracruz_32 Start: 25697, Stop: 25290, Start Num: 5
Candidate Starts for Veracruz_32:
(Start: 2 @25724 has 2 MA's), (Start: 5 @25697 has 20 MA's), (16, 25373), (18, 25334), (19, 25328),