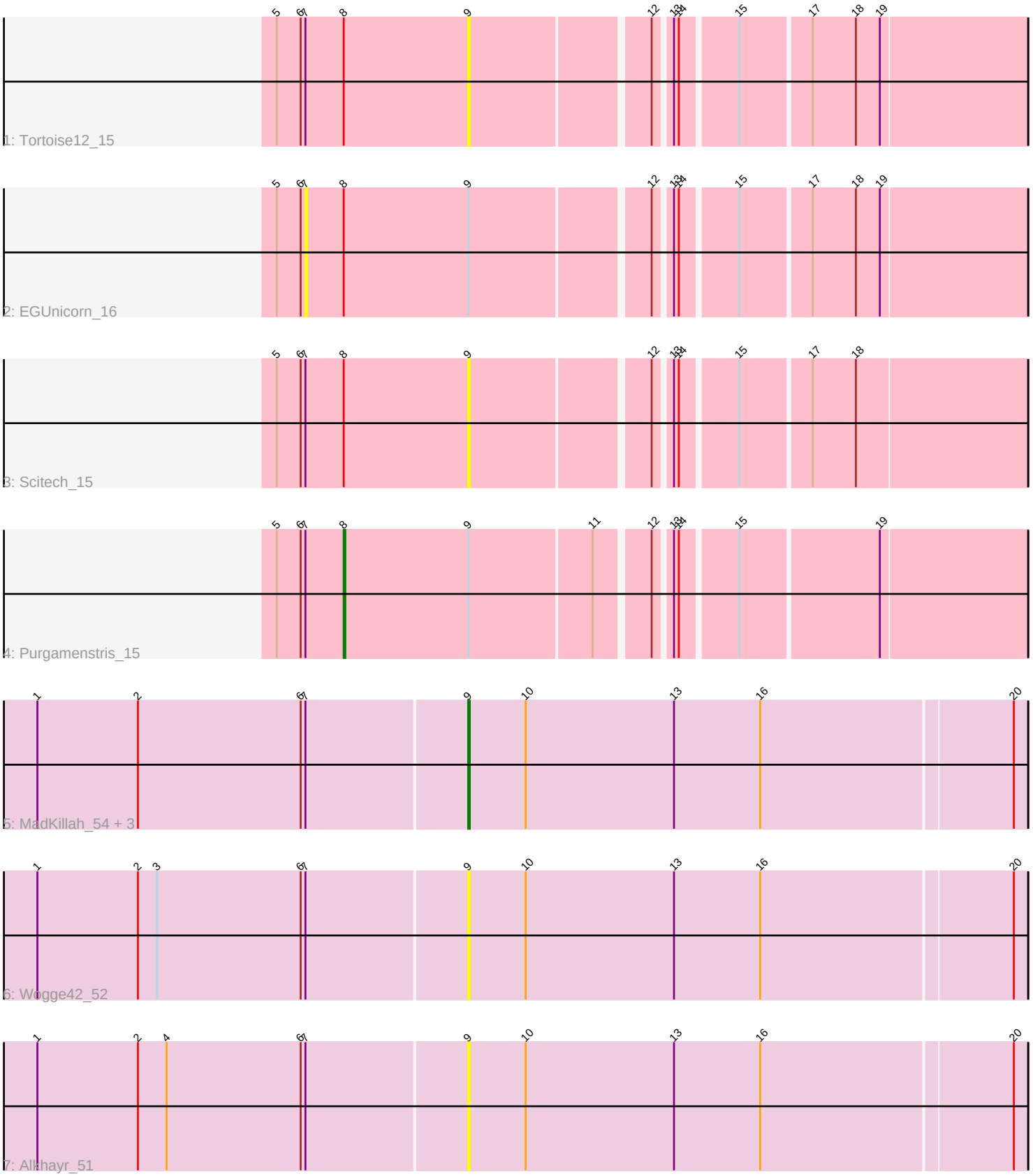
Pham 220366


1: Tortoise12_15
2: EGUnicorn_16
3: Scitech_15
4: Purgamenstris_15
5: MadKillah_54 + 3
6: Wogge42_52
7: Alkhayr_51

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 220366 Report

This analysis was run 03/28/25 on database version 593.

Pham number 220366 has 10 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Tortoise12_15
• Track 2 : EGUnicorn_16
• Track 3 : Scitech_15
• Track 4 : Purgamenstris_15
• Track 5 : MadKillah_54, Bora_51, Zebo_52, KingPhillip3_52
• Track 6 : Wogge42_52
• Track 7 : Alkhayr_51

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

The start number called the most often in the published annotations is 9, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alkhayr_51, Bora_51, KingPhillip3_52, MadKillah_54, Scitech_15, Tortoise12_15, Wogge42_52, Zebo_52,

Genes that have the "Most Annotated" start but do not call it:
• EGUnicorn_16, Purgamenstris_15,

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

Summary by start number:

Start 7:
• Found in 10 of 10 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 10.0% of time when present
• Phage (with cluster) where this start called: EGUnicorn_16 (N),

Start 8:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 3

• Called 25.0% of time when present
• Phage (with cluster) where this start called: Purgamenstris_15 (N),

Start 9:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Alkhayr_51 (O), Bora_51 (O), KingPhillip3_52 (O), MadKillah_54 (O), Scitech_15 (N), Tortoise12_15 (N), Wogge42_52 (O), Zebo_52 (O),

Summary by clusters:

There are 2 clusters represented in this pham: O, N,

Info for manual annotations of cluster N:
•Start number 8 was manually annotated 1 time for cluster N.

Info for manual annotations of cluster O:
•Start number 9 was manually annotated 2 times for cluster O.

Gene Information:

Gene: Alkhayr_51 Start: 26266, Stop: 26610, Start Num: 9
Candidate Starts for Alkhayr_51:
(1, 25999), (2, 26062), (4, 26080), (6, 26164), (7, 26167), (Start: 9 @26266 has 2 MA's), (10, 26302), (13, 26395), (16, 26449), (20, 26602),

Gene: Bora_51 Start: 26228, Stop: 26572, Start Num: 9
Candidate Starts for Bora_51:
(1, 25961), (2, 26024), (6, 26126), (7, 26129), (Start: 9 @26228 has 2 MA's), (10, 26264), (13, 26357), (16, 26411), (20, 26564),

Gene: EGUnicorn_16 Start: 9517, Stop: 9942, Start Num: 7
Candidate Starts for EGUnicorn_16:
(5, 9499), (6, 9514), (7, 9517), (Start: 8 @9541 has 1 MA's), (Start: 9 @9619 has 2 MA's), (12, 9724), (13, 9733), (14, 9736), (15, 9769), (17, 9811), (18, 9838), (19, 9853),

Gene: KingPhillip3_52 Start: 26354, Stop: 26698, Start Num: 9
Candidate Starts for KingPhillip3_52:
(1, 26087), (2, 26150), (6, 26252), (7, 26255), (Start: 9 @26354 has 2 MA's), (10, 26390), (13, 26483), (16, 26537), (20, 26690),

Gene: MadKillah_54 Start: 26293, Stop: 26637, Start Num: 9
Candidate Starts for MadKillah_54:
(1, 26026), (2, 26089), (6, 26191), (7, 26194), (Start: 9 @26293 has 2 MA's), (10, 26329), (13, 26422), (16, 26476), (20, 26629),

Gene: Purgamenstris_15 Start: 9586, Stop: 9987, Start Num: 8
Candidate Starts for Purgamenstris_15:

(5, 9544), (6, 9559), (7, 9562), (Start: 8 @9586 has 1 MA's), (Start: 9 @9664 has 2 MA's), (11, 9739), (12, 9769), (13, 9778), (14, 9781), (15, 9814), (19, 9898),

Gene: Scitech_15 Start: 9619, Stop: 9942, Start Num: 9
Candidate Starts for Scitech_15:
(5, 9499), (6, 9514), (7, 9517), (Start: 8 @9541 has 1 MA's), (Start: 9 @9619 has 2 MA's), (12, 9724), (13, 9733), (14, 9736), (15, 9769), (17, 9811), (18, 9838),

Gene: Tortoise12_15 Start: 9619, Stop: 9942, Start Num: 9
Candidate Starts for Tortoise12_15:
(5, 9499), (6, 9514), (7, 9517), (Start: 8 @9541 has 1 MA's), (Start: 9 @9619 has 2 MA's), (12, 9724), (13, 9733), (14, 9736), (15, 9769), (17, 9811), (18, 9838), (19, 9853),

Gene: Wogge42_52 Start: 26262, Stop: 26606, Start Num: 9
Candidate Starts for Wogge42_52:
(1, 25995), (2, 26058), (3, 26070), (6, 26160), (7, 26163), (Start: 9 @26262 has 2 MA's), (10, 26298), (13, 26391), (16, 26445), (20, 26598),

Gene: Zebo_52 Start: 26357, Stop: 26701, Start Num: 9
Candidate Starts for Zebo_52:
(1, 26090), (2, 26153), (6, 26255), (7, 26258), (Start: 9 @26357 has 2 MA's), (10, 26393), (13, 26486), (16, 26540), (20, 26693),