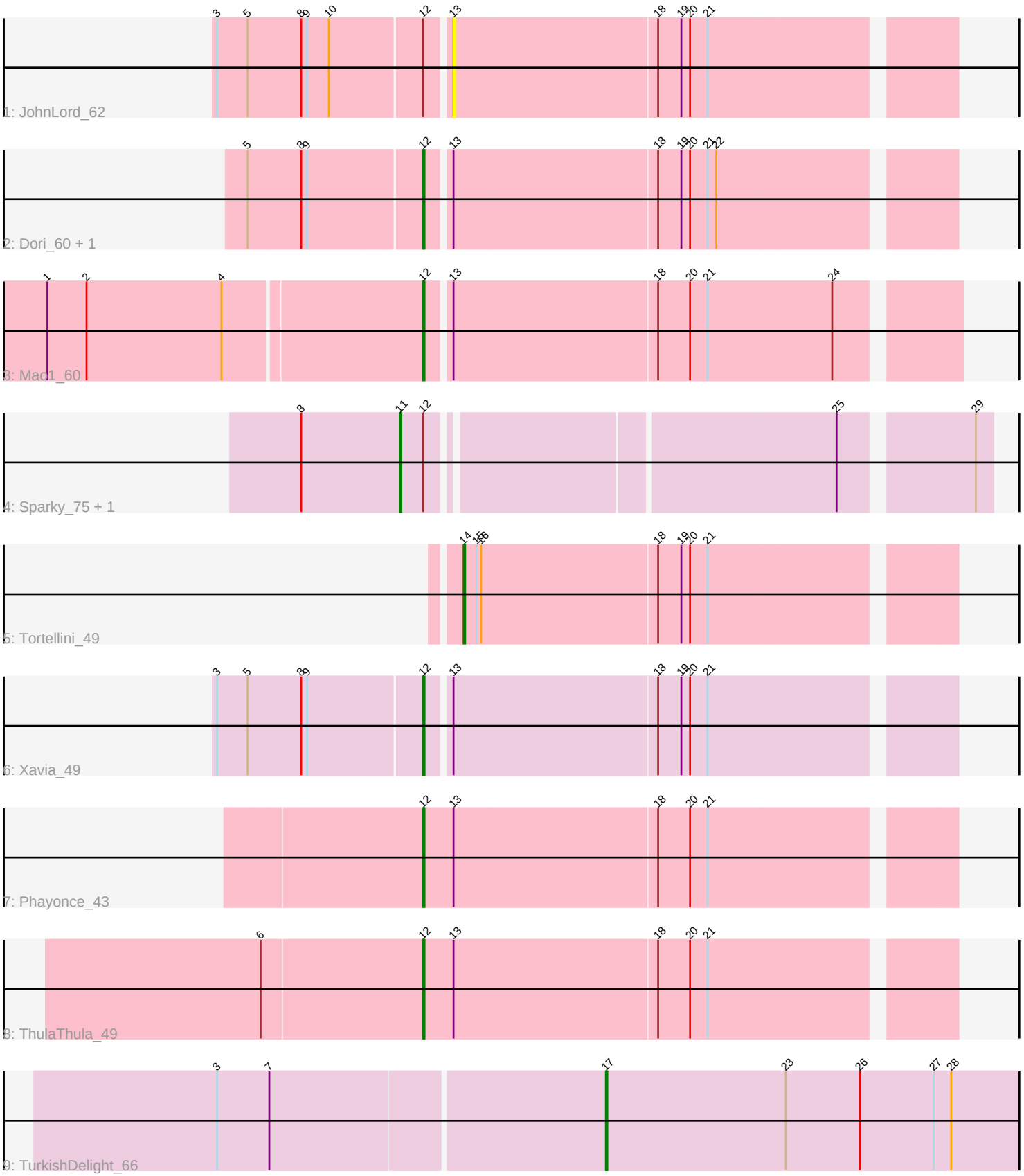
Pham 346359


1: JohnLord_62
2: Dori_60 + 1
3: Mac1_60
4: Sparky_75 + 1
5: Tortellini_49
6: Xavia_49
7: Phayonce_43
8: ThulaThula_49
9: TurkishDelight_66

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 346359 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346359 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : JohnLord_62
• Track 2 : Dori_60, Mask_60
• Track 3 : Mao1_60
• Track 4 : Sparky_75, Farewell_76
• Track 5 : Tortellini_49
• Track 6 : Xavia_49
• Track 7 : Phayonce_43
• Track 8 : ThulaThula_49
• Track 9 : TurkishDelight_66

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

The start number called the most often in the published annotations is 12, it was called in 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dori_60, Mao1_60, Mask_60, Phayonce_43, ThulaThula_49, Xavia_49,

Genes that have the "Most Annotated" start but do not call it:
• Farewell_76, JohnLord_62, Sparky_75,

Genes that do not have the "Most Annotated" start:
• Tortellini_49, TurkishDelight_66,

Summary by start number:

Start 11:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Farewell_76 (AF), Sparky_75 (AF),

Start 12:
• Found in 9 of 11 (81.8%) of genes in pham

• Manual Annotations of this start: 6 of 10
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Dori_60 (AD), Mao1_60 (AD), Mask_60 (AD), Phayonce_43 (P5), ThulaThula_49 (P5), Xavia_49 (P3),

Start 13:
• Found in 7 of 11 (63.6%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: JohnLord_62 (AD),

Start 14:
• 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: Tortellini_49 (P2),

Start 17:
• 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: TurkishDelight_66 (singleton),

Summary by clusters:

There are 6 clusters represented in this pham: P2, P3, singleton, AD, P5, AF,

Info for manual annotations of cluster AD:
•Start number 12 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster AF:
•Start number 11 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster P2:
•Start number 14 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:
•Start number 12 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P5:
•Start number 12 was manually annotated 2 times for cluster P5.

Gene Information:

Gene: Dori_60 Start: 48301, Stop: 48642, Start Num: 12
Candidate Starts for Dori_60:
(5, 48187), (8, 48223), (9, 48226), (Start: 12 @48301 has 6 MA's), (13, 48316), (18, 48454), (19, 48469), (20, 48475), (21, 48487), (22, 48493),

Gene: Farewell_76 Start: 50660, Stop: 51028, Start Num: 11
Candidate Starts for Farewell_76:

(8, 50594), (Start: 11 @50660 has 2 MA's), (Start: 12 @50675 has 6 MA's), (25, 50936), (29, 51017),

Gene: JohnLord_62 Start: 47331, Stop: 47657, Start Num: 13
Candidate Starts for JohnLord_62:
(3, 47181), (5, 47202), (8, 47238), (9, 47241), (10, 47256), (Start: 12 @47316 has 6 MA's), (13, 47331), (18, 47469), (19, 47484), (20, 47490), (21, 47502),

Gene: Mao1_60 Start: 46743, Stop: 47087, Start Num: 12
Candidate Starts for Mao1_60:
(1, 46494), (2, 46521), (4, 46614), (Start: 12 @46743 has 6 MA's), (13, 46758), (18, 46896), (20, 46917), (21, 46929), (24, 47013),

Gene: Mask_60 Start: 49044, Stop: 49385, Start Num: 12
Candidate Starts for Mask_60:
(5, 48930), (8, 48966), (9, 48969), (Start: 12 @49044 has 6 MA's), (13, 49059), (18, 49197), (19, 49212), (20, 49218), (21, 49230), (22, 49236),

Gene: Phayonce_43 Start: 33062, Stop: 33409, Start Num: 12
Candidate Starts for Phayonce_43:
(Start: 12 @33062 has 6 MA's), (13, 33083), (18, 33221), (20, 33242), (21, 33254),

Gene: Sparky_75 Start: 52254, Stop: 52622, Start Num: 11
Candidate Starts for Sparky_75:
(8, 52188), (Start: 11 @52254 has 2 MA's), (Start: 12 @52269 has 6 MA's), (25, 52530), (29, 52611),

Gene: ThulaThula_49 Start: 35441, Stop: 35788, Start Num: 12
Candidate Starts for ThulaThula_49:
(6, 35333), (Start: 12 @35441 has 6 MA's), (13, 35462), (18, 35600), (20, 35621), (21, 35633),

Gene: Tortellini_49 Start: 37757, Stop: 38077, Start Num: 14
Candidate Starts for Tortellini_49:
(Start: 14 @37757 has 1 MA's), (15, 37766), (16, 37769), (18, 37889), (19, 37904), (20, 37910), (21, 37922),

Gene: TurkishDelight_66 Start: 54550, Stop: 54927, Start Num: 17
Candidate Starts for TurkishDelight_66:
(3, 54289), (7, 54325), (Start: 17 @54550 has 1 MA's), (23, 54673), (26, 54724), (27, 54775), (28, 54787),

Gene: Xavia_49 Start: 37571, Stop: 37912, Start Num: 12
Candidate Starts for Xavia_49:
(3, 37436), (5, 37457), (8, 37493), (9, 37496), (Start: 12 @37571 has 6 MA's), (13, 37586), (18, 37724), (19, 37739), (20, 37745), (21, 37757),