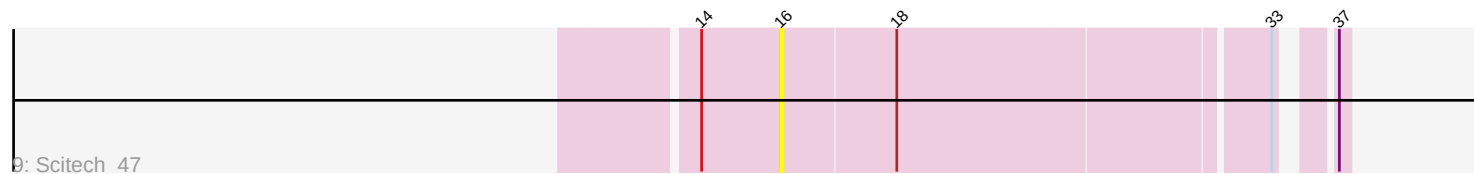
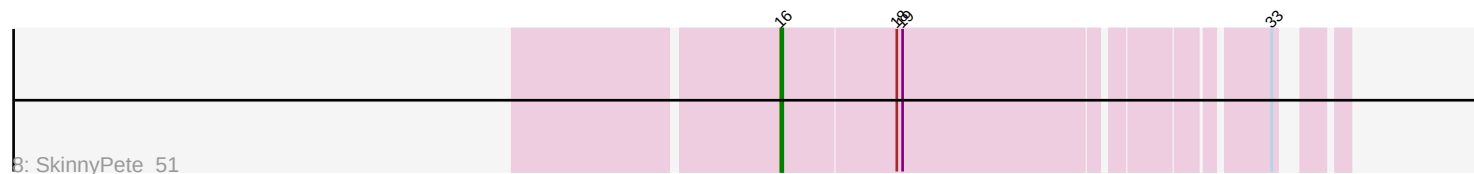
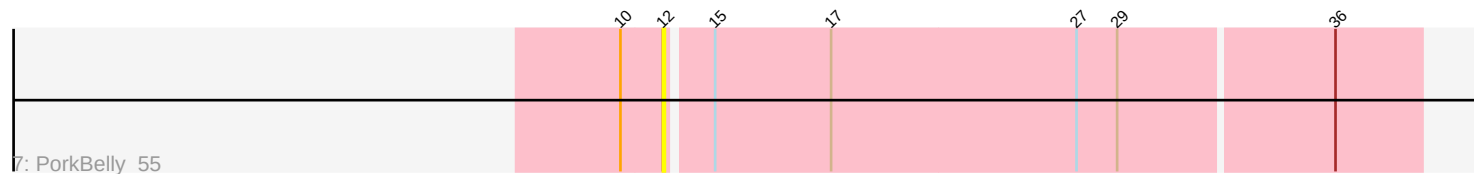
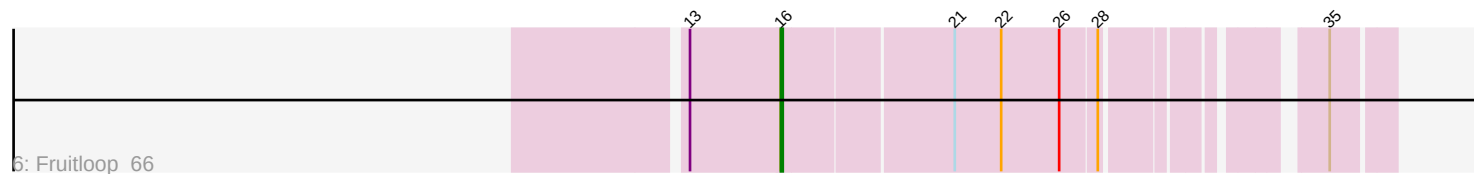
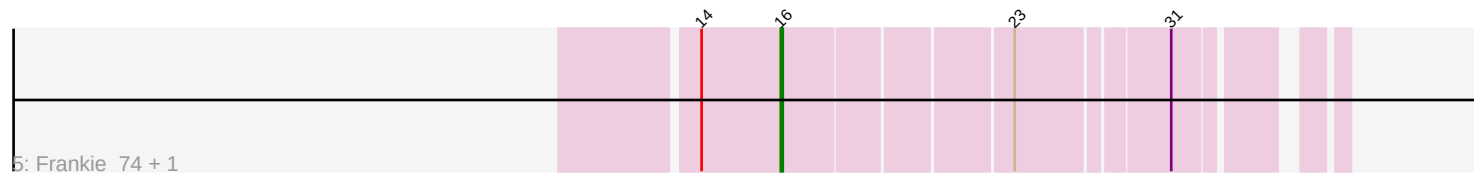
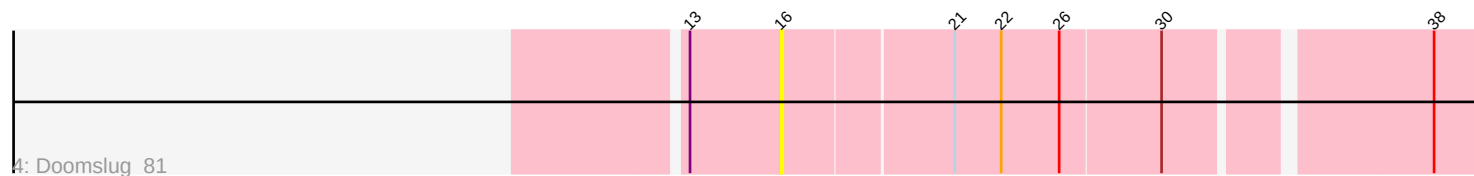
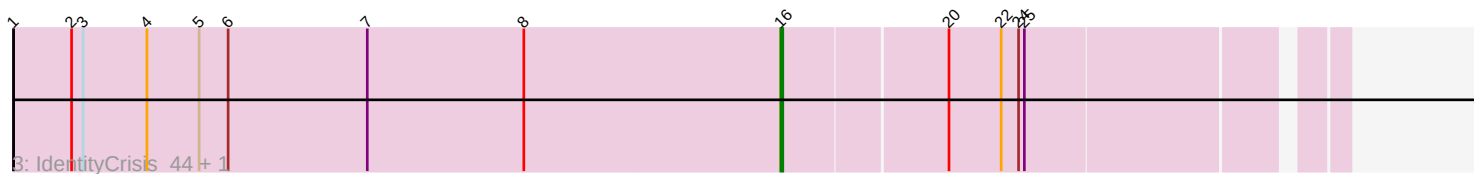
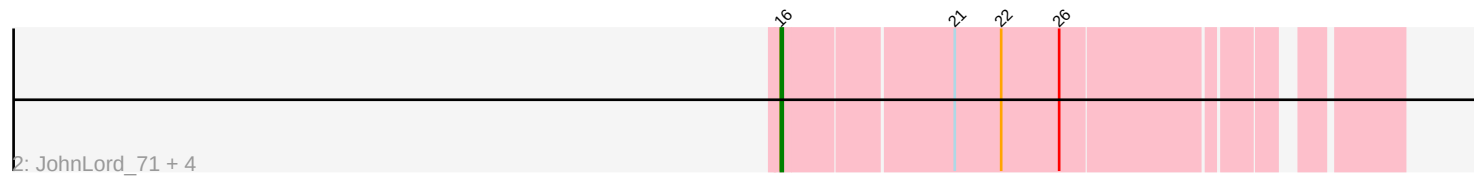
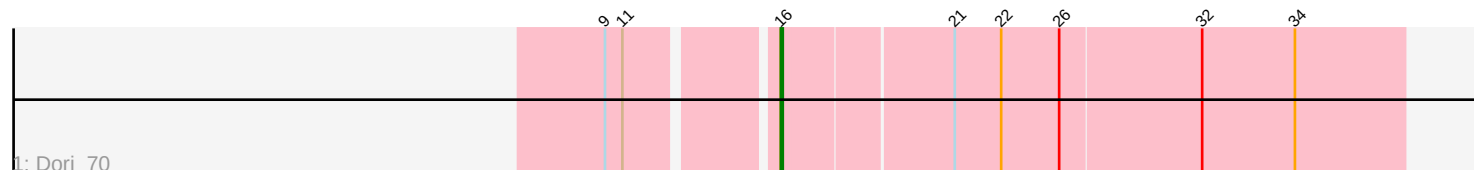


Pham 309497



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 309497 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309497 has 15 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Dori_70
- Track 2 : JohnLord_71, Caterpie_72, Mask_70, Rita_68, Sejanus_69
- Track 3 : IdentityCrisis_44, WST1_45
- Track 4 : Doomslug_81
- Track 5 : Frankie_74, LilSpotty_68
- Track 6 : Fruitloop_66
- Track 7 : PorkBelly_55
- Track 8 : SkinnyPete_51
- Track 9 : Scitech_47

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

The start number called the most often in the published annotations is 16, it was called in 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Caterpie_72, Doomslug_81, Dori_70, Frankie_74, Fruitloop_66, IdentityCrisis_44, JohnLord_71, LilSpotty_68, Mask_70, Rita_68, Scitech_47, Sejanus_69, SkinnyPete_51, WST1_45,

Genes that have the "Most Annotated" start but do not call it:

-

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

- PorkBelly_55,

Summary by start number:

Start 12:

- Found in 1 of 15 (6.7%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PorkBelly_55 (FJ),

Start 16:

- Found in 14 of 15 (93.3%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Caterpie_72 (AD), Doomslug_81 (F), Dori_70 (AD), Frankie_74 (F1), Fruitloop_66 (F1), IdentityCrisis_44 (AJ), JohnLord_71 (AD), LilSpotty_68 (singleton), Mask_70 (AD), Rita_68 (F1), Scitech_47 (N), Sejanus_69 (AD), SkinnyPete_51 (N), WST1_45 (AJ),

Summary by clusters:

There are 7 clusters represented in this pham: F1, singleton, AD, F, AJ, N, FJ,

Info for manual annotations of cluster AD:

- Start number 16 was manually annotated 3 times for cluster AD.

Info for manual annotations of cluster AJ:

- Start number 16 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster F1:

- Start number 16 was manually annotated 3 times for cluster F1.

Info for manual annotations of cluster N:

- Start number 16 was manually annotated 1 time for cluster N.

Gene Information:

Gene: Caterpie_72 Start: 51819, Stop: 52109, Start Num: 16

Candidate Starts for Caterpie_72:

(Start: 16 @51819 has 9 MA's), (21, 51903), (22, 51927), (26, 51957),

Gene: Doomslug_81 Start: 44709, Stop: 45044, Start Num: 16

Candidate Starts for Doomslug_81:

(13, 44664), (Start: 16 @44709 has 9 MA's), (21, 44793), (22, 44817), (26, 44847), (30, 44898), (38, 45021),

Gene: Dori_70 Start: 53729, Stop: 54043, Start Num: 16

Candidate Starts for Dori_70:

(9, 53654), (11, 53663), (Start: 16 @53729 has 9 MA's), (21, 53813), (22, 53837), (26, 53867), (32, 53939), (34, 53987),

Gene: Frankie_74 Start: 45417, Stop: 45665, Start Num: 16

Candidate Starts for Frankie_74:

(14, 45381), (Start: 16 @45417 has 9 MA's), (23, 45525), (31, 45597),

Gene: Fruitloop_66 Start: 44454, Stop: 44726, Start Num: 16

Candidate Starts for Fruitloop_66:

(13, 44409), (Start: 16 @44454 has 9 MA's), (21, 44538), (22, 44562), (26, 44592), (28, 44610), (35, 44697),

Gene: IdentityCrisis_44 Start: 29475, Stop: 29744, Start Num: 16

Candidate Starts for IdentityCrisis_44:

(1, 29079), (2, 29109), (3, 29115), (4, 29148), (5, 29175), (6, 29190), (7, 29262), (8, 29343), (Start: 16 @29475 has 9 MA's), (20, 29556), (22, 29583), (24, 29592), (25, 29595),

Gene: JohnLord_71 Start: 51279, Stop: 51569, Start Num: 16

Candidate Starts for JohnLord_71:

(Start: 16 @51279 has 9 MA's), (21, 51363), (22, 51387), (26, 51417),

Gene: LilSpotty_68 Start: 41817, Stop: 42065, Start Num: 16

Candidate Starts for LilSpotty_68:

(14, 41781), (Start: 16 @41817 has 9 MA's), (23, 41925), (31, 41997),

Gene: Mask_70 Start: 54286, Stop: 54576, Start Num: 16

Candidate Starts for Mask_70:

(Start: 16 @54286 has 9 MA's), (21, 54370), (22, 54394), (26, 54424),

Gene: PorkBelly_55 Start: 43643, Stop: 43263, Start Num: 12

Candidate Starts for PorkBelly_55:

(10, 43664), (12, 43643), (15, 43622), (17, 43562), (27, 43436), (29, 43415), (36, 43307),

Gene: Rita_68 Start: 41234, Stop: 41524, Start Num: 16

Candidate Starts for Rita_68:

(Start: 16 @41234 has 9 MA's), (21, 41318), (22, 41342), (26, 41372),

Gene: Scitech_47 Start: 32971, Stop: 33234, Start Num: 16

Candidate Starts for Scitech_47:

(14, 32935), (Start: 16 @32971 has 9 MA's), (18, 33028), (33, 33211), (37, 33229),

Gene: Sejanus_69 Start: 52747, Stop: 53037, Start Num: 16

Candidate Starts for Sejanus_69:

(Start: 16 @52747 has 9 MA's), (21, 52831), (22, 52855), (26, 52885),

Gene: SkinnyPete_51 Start: 34230, Stop: 34484, Start Num: 16

Candidate Starts for SkinnyPete_51:

(Start: 16 @34230 has 9 MA's), (18, 34287), (19, 34290), (33, 34461),

Gene: WST1_45 Start: 29332, Stop: 29601, Start Num: 16

Candidate Starts for WST1_45:

(1, 28936), (2, 28966), (3, 28972), (4, 29005), (5, 29032), (6, 29047), (7, 29119), (8, 29200), (Start: 16 @29332 has 9 MA's), (20, 29413), (22, 29440), (24, 29449), (25, 29452),