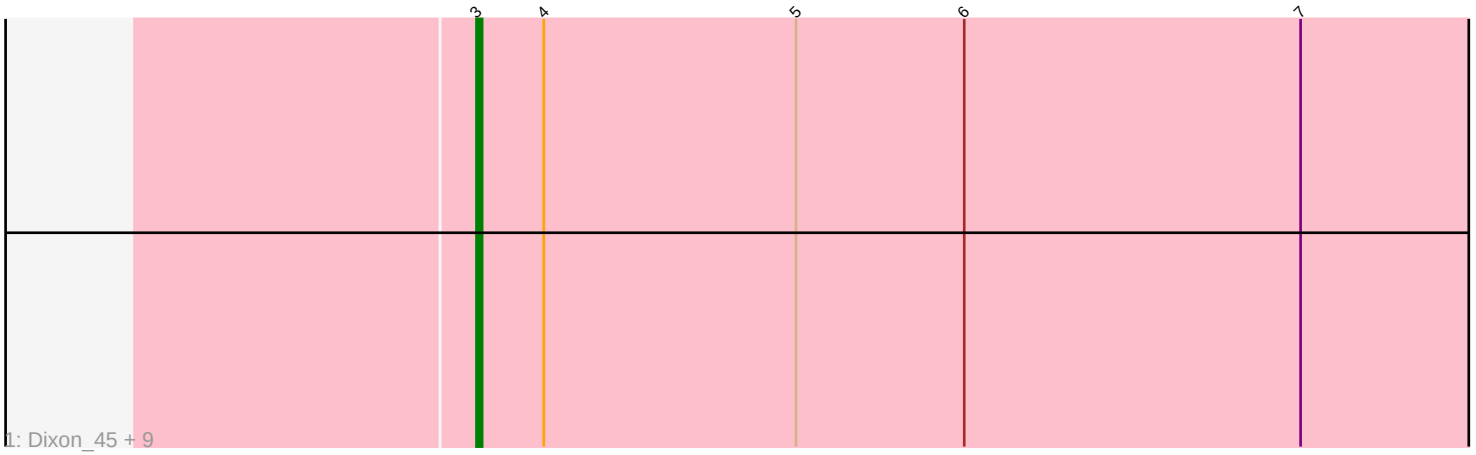
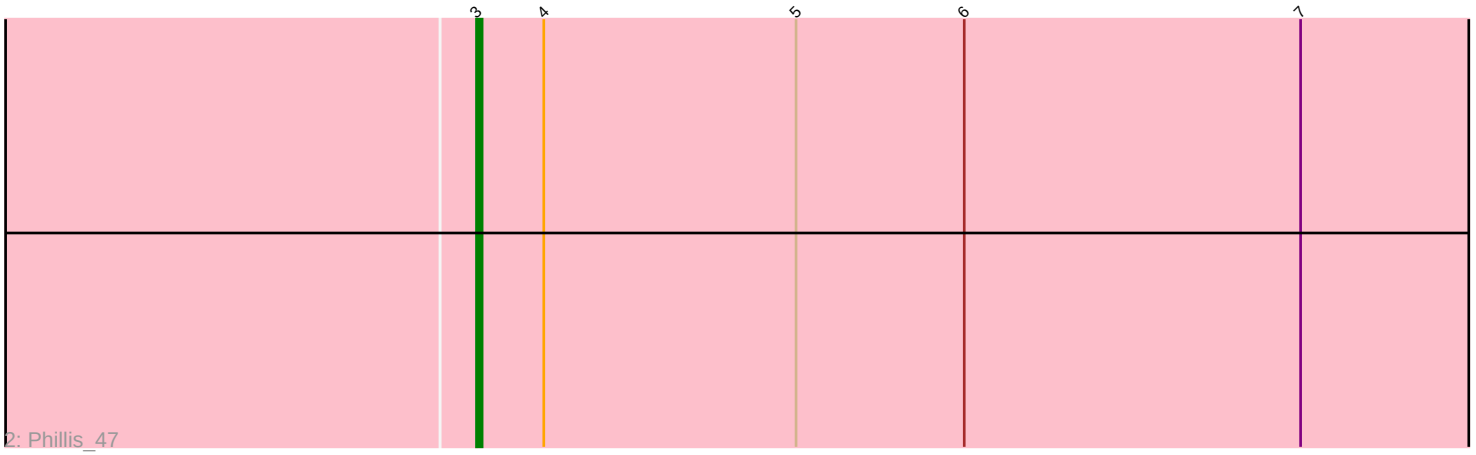
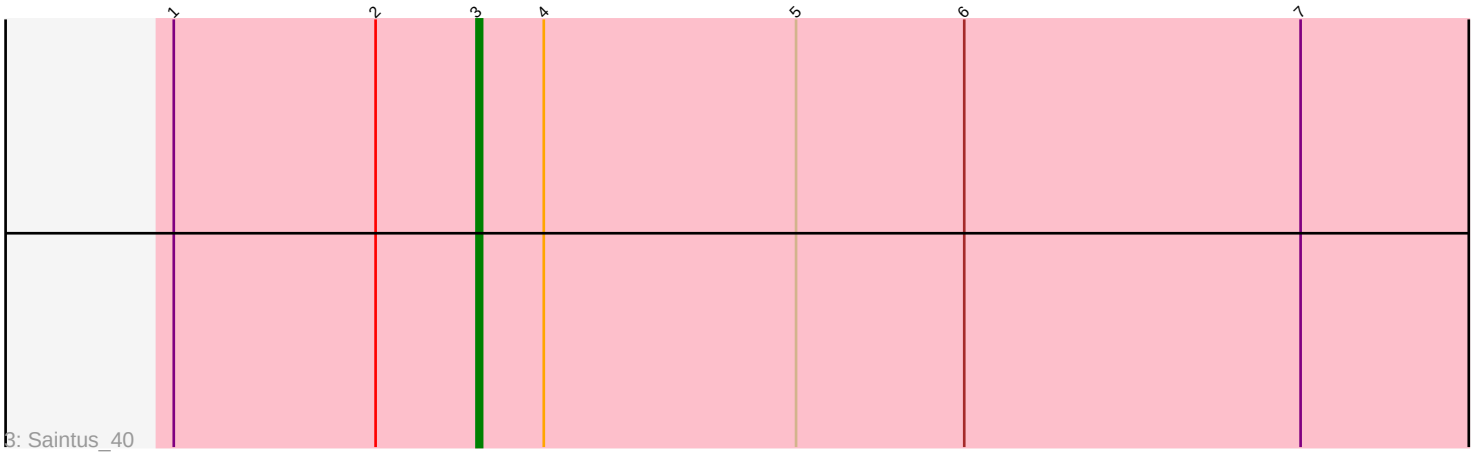
Pham 344580







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 344580 Report

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

Pham number 344580 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Dixon_45, Smeadley_46, NearlyHeadless_45, Astro_45, Danforth_45, Groundhog_44, Roary_46, Stephig9_46, Caitlin_45, Expelliarmus_45
• Track 2 : Phillis_47
• Track 3 : Saintus_40

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Astro_45, Caitlin_45, Danforth_45, Dixon_45, Expelliarmus_45, Groundhog_44, NearlyHeadless_45, Phillis_47, Roary_46, Saintus_40, Smeadley_46, Stephig9_46,

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 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Astro_45 (A8), Caitlin_45 (A8), Danforth_45 (A8), Dixon_45 (A8), Expelliarmus_45 (A8), Groundhog_44 (A8), NearlyHeadless_45 (A8), Phillis_47 (A8), Roary_46 (A8), Saintus_40 (A8), Smeadley_46 (A8), Stephig9_46 (A8),

Summary by clusters:

There is one cluster represented in this pham: A8

Info for manual annotations of cluster A8:
•Start number 3 was manually annotated 12 times for cluster A8.

Gene Information:

Gene: Astro_45 Start: 31320, Stop: 31138, Start Num: 3
Candidate Starts for Astro_45:
(Start: 3 @31320 has 12 MA's), (4, 31308), (5, 31263), (6, 31233), (7, 31173),

Gene: Caitlin_45 Start: 31313, Stop: 31131, Start Num: 3
Candidate Starts for Caitlin_45:
(Start: 3 @31313 has 12 MA's), (4, 31301), (5, 31256), (6, 31226), (7, 31166),

Gene: Danforth_45 Start: 31349, Stop: 31167, Start Num: 3
Candidate Starts for Danforth_45:
(Start: 3 @31349 has 12 MA's), (4, 31337), (5, 31292), (6, 31262), (7, 31202),

Gene: Dixon_45 Start: 31222, Stop: 31040, Start Num: 3
Candidate Starts for Dixon_45:
(Start: 3 @31222 has 12 MA's), (4, 31210), (5, 31165), (6, 31135), (7, 31075),

Gene: Expelliarmus_45 Start: 31378, Stop: 31196, Start Num: 3
Candidate Starts for Expelliarmus_45:
(Start: 3 @31378 has 12 MA's), (4, 31366), (5, 31321), (6, 31291), (7, 31231),

Gene: Groundhog_44 Start: 31285, Stop: 31103, Start Num: 3
Candidate Starts for Groundhog_44:
(Start: 3 @31285 has 12 MA's), (4, 31273), (5, 31228), (6, 31198), (7, 31138),

Gene: NearlyHeadless_45 Start: 31124, Stop: 30942, Start Num: 3
Candidate Starts for NearlyHeadless_45:
(Start: 3 @31124 has 12 MA's), (4, 31112), (5, 31067), (6, 31037), (7, 30977),

Gene: Phillis_47 Start: 31667, Stop: 31485, Start Num: 3
Candidate Starts for Phillis_47:
(Start: 3 @31667 has 12 MA's), (4, 31655), (5, 31610), (6, 31580), (7, 31520),

Gene: Roary_46 Start: 31334, Stop: 31152, Start Num: 3
Candidate Starts for Roary_46:
(Start: 3 @31334 has 12 MA's), (4, 31322), (5, 31277), (6, 31247), (7, 31187),

Gene: Saintus_40 Start: 28055, Stop: 27873, Start Num: 3
Candidate Starts for Saintus_40:
(1, 28109), (2, 28073), (Start: 3 @28055 has 12 MA's), (4, 28043), (5, 27998), (6, 27968), (7, 27908),

Gene: Smeadley_46 Start: 31500, Stop: 31318, Start Num: 3
Candidate Starts for Smeadley_46:
(Start: 3 @31500 has 12 MA's), (4, 31488), (5, 31443), (6, 31413), (7, 31353),

Gene: Stephig9_46 Start: 31338, Stop: 31156, Start Num: 3

Candidate Starts for Stephig9_46:
(Start: 3 @31338 has 12 MA's), (4, 31326), (5, 31281), (6, 31251), (7, 31191),