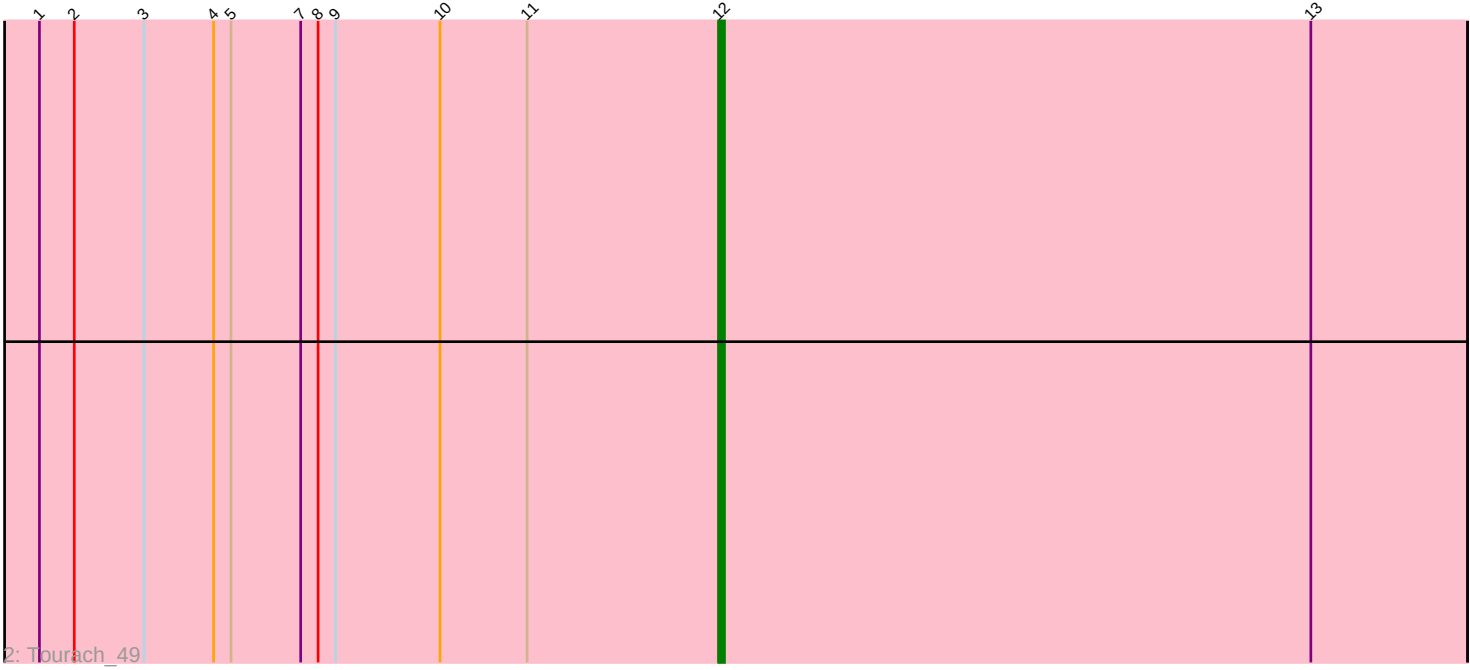
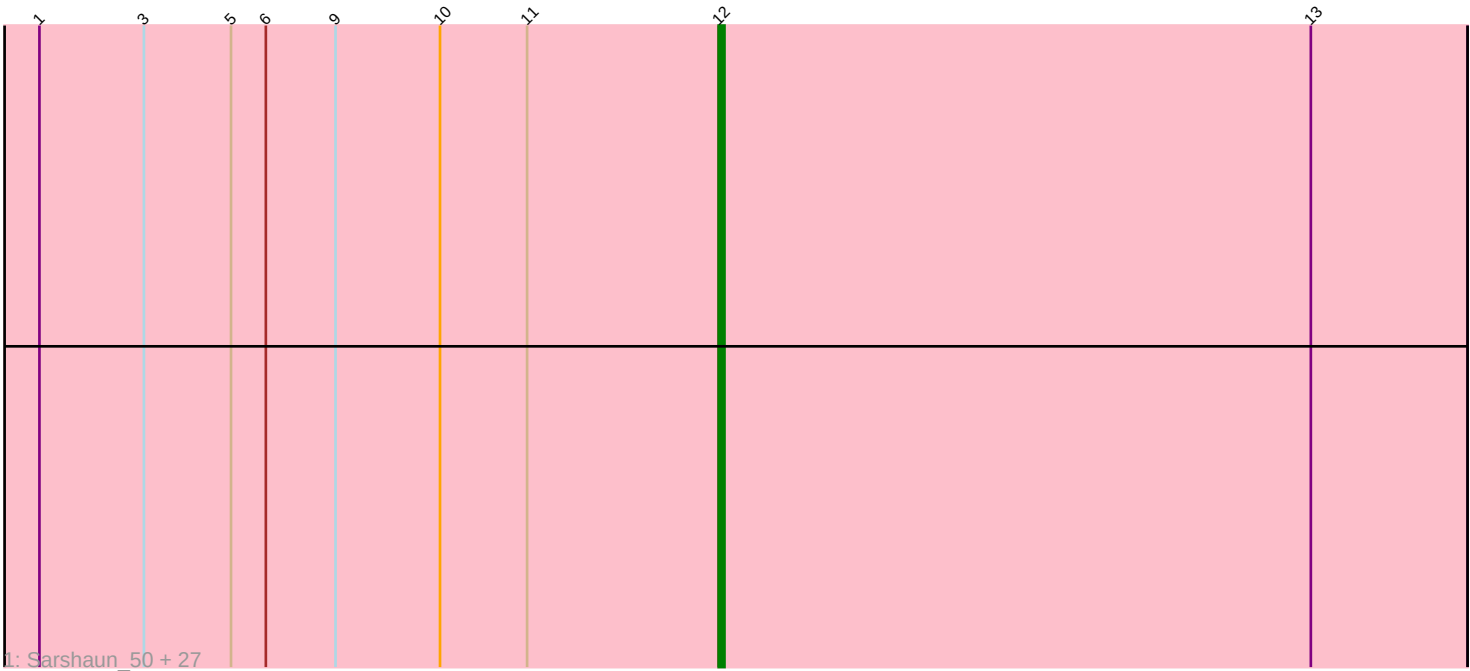




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 261723 Report

This analysis was run 02/07/26 on database version 634.

Pham number 261723 has 29 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Sarshaun_50, Wigglewiggle_50, Miley16_50, SoJulia_51, Gabriela_50, OverPar_51, Rumpelstiltskin_50, Kahlid_50, Zakai_50, LilDestine_50, GuuelaD_49, DrSeegs_50, Hafay_50, Vetrix_50, Lynnae_50, Loadrie_49, Lewan_51, BigCheese_50, Finemlucis_50, Soap141_50, BobsGarage_50, Nicholasp3_50, Itos_49, Gardann_50, Netyap_50, Faith1_50, Wilder_50, MkaliMitinis3_50
- Track 2 : Tourach_49

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 23 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BigCheese_50, BobsGarage_50, DrSeegs_50, Faith1_50, Finemlucis_50, Gabriela_50, Gardann_50, GuuelaD_49, Hafay_50, Itos_49, Kahlid_50, Lewan_51, LilDestine_50, Loadrie_49, Lynnae_50, Miley16_50, MkaliMitinis3_50, Netyap_50, Nicholasp3_50, OverPar_51, Rumpelstiltskin_50, Sarshaun_50, SoJulia_51, Soap141_50, Tourach_49, Vetrix_50, Wigglewiggle_50, Wilder_50, Zakai_50,

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 12:

- Found in 29 of 29 (100.0%) of genes in pham
- Manual Annotations of this start: 23 of 23
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BigCheese_50 (L2), BobsGarage_50 (L2), DrSeegs_50 (L2), Faith1_50 (L2), Finemlucis_50 (L2), Gabriela_50 (L2), Gardann_50 (L2), GuuelaD_49 (L2), Hafay_50 (L2), Itos_49 (L2), Kahlid_50 (L2),

Lewan_51 (L2), LilDestine_50 (L2), Loadrie_49 (L2), Lynnae_50 (L2), Miley16_50 (L2), MkaliMitinis3_50 (L2), Netyap_50 (L2), Nicholasp3_50 (L2), OverPar_51 (L2), Rumpelstiltskin_50 (L2), Sarshaun_50 (L2), SoJulia_51 (L2), Soap141_50 (L2), Tourach_49 (L2), Vetrix_50 (L2), Wigglewiggles_50 (L2), Wilder_50 (L2), Zakai_50 (L2),

Summary by clusters:

There is one cluster represented in this pham: L2

Info for manual annotations of cluster L2:

•Start number 12 was manually annotated 23 times for cluster L2.

Gene Information:

Gene: BigCheese_50 Start: 38266, Stop: 38394, Start Num: 12

Candidate Starts for BigCheese_50:

(1, 38149), (3, 38167), (5, 38182), (6, 38188), (9, 38200), (10, 38218), (11, 38233), (Start: 12 @38266 has 23 MA's), (13, 38368),

Gene: BobsGarage_50 Start: 38266, Stop: 38394, Start Num: 12

Candidate Starts for BobsGarage_50:

(1, 38149), (3, 38167), (5, 38182), (6, 38188), (9, 38200), (10, 38218), (11, 38233), (Start: 12 @38266 has 23 MA's), (13, 38368),

Gene: DrSeegs_50 Start: 38266, Stop: 38394, Start Num: 12

Candidate Starts for DrSeegs_50:

(1, 38149), (3, 38167), (5, 38182), (6, 38188), (9, 38200), (10, 38218), (11, 38233), (Start: 12 @38266 has 23 MA's), (13, 38368),

Gene: Faith1_50 Start: 38266, Stop: 38394, Start Num: 12

Candidate Starts for Faith1_50:

(1, 38149), (3, 38167), (5, 38182), (6, 38188), (9, 38200), (10, 38218), (11, 38233), (Start: 12 @38266 has 23 MA's), (13, 38368),

Gene: Finemlucis_50 Start: 38552, Stop: 38680, Start Num: 12

Candidate Starts for Finemlucis_50:

(1, 38435), (3, 38453), (5, 38468), (6, 38474), (9, 38486), (10, 38504), (11, 38519), (Start: 12 @38552 has 23 MA's), (13, 38654),

Gene: Gabriela_50 Start: 38528, Stop: 38656, Start Num: 12

Candidate Starts for Gabriela_50:

(1, 38411), (3, 38429), (5, 38444), (6, 38450), (9, 38462), (10, 38480), (11, 38495), (Start: 12 @38528 has 23 MA's), (13, 38630),

Gene: Gardann_50 Start: 38267, Stop: 38395, Start Num: 12

Candidate Starts for Gardann_50:

(1, 38150), (3, 38168), (5, 38183), (6, 38189), (9, 38201), (10, 38219), (11, 38234), (Start: 12 @38267 has 23 MA's), (13, 38369),

Gene: GuuelaD_49 Start: 38305, Stop: 38433, Start Num: 12

Candidate Starts for GuuelaD_49:

(1, 38188), (3, 38206), (5, 38221), (6, 38227), (9, 38239), (10, 38257), (11, 38272), (Start: 12 @38305 has 23 MA's), (13, 38407),

Gene: Hafay_50 Start: 38328, Stop: 38456, Start Num: 12

Candidate Starts for Hafay_50:

(1, 38211), (3, 38229), (5, 38244), (6, 38250), (9, 38262), (10, 38280), (11, 38295), (Start: 12 @38328 has 23 MA's), (13, 38430),

Gene: Itos_49 Start: 37172, Stop: 37300, Start Num: 12

Candidate Starts for Itos_49:

(1, 37055), (3, 37073), (5, 37088), (6, 37094), (9, 37106), (10, 37124), (11, 37139), (Start: 12 @37172 has 23 MA's), (13, 37274),

Gene: Kahlid_50 Start: 38272, Stop: 38400, Start Num: 12

Candidate Starts for Kahlid_50:

(1, 38155), (3, 38173), (5, 38188), (6, 38194), (9, 38206), (10, 38224), (11, 38239), (Start: 12 @38272 has 23 MA's), (13, 38374),

Gene: Lewan_51 Start: 38290, Stop: 38418, Start Num: 12

Candidate Starts for Lewan_51:

(1, 38173), (3, 38191), (5, 38206), (6, 38212), (9, 38224), (10, 38242), (11, 38257), (Start: 12 @38290 has 23 MA's), (13, 38392),

Gene: LilDestine_50 Start: 38264, Stop: 38392, Start Num: 12

Candidate Starts for LilDestine_50:

(1, 38147), (3, 38165), (5, 38180), (6, 38186), (9, 38198), (10, 38216), (11, 38231), (Start: 12 @38264 has 23 MA's), (13, 38366),

Gene: Loadrie_49 Start: 38326, Stop: 38454, Start Num: 12

Candidate Starts for Loadrie_49:

(1, 38209), (3, 38227), (5, 38242), (6, 38248), (9, 38260), (10, 38278), (11, 38293), (Start: 12 @38326 has 23 MA's), (13, 38428),

Gene: Lynnae_50 Start: 38255, Stop: 38383, Start Num: 12

Candidate Starts for Lynnae_50:

(1, 38138), (3, 38156), (5, 38171), (6, 38177), (9, 38189), (10, 38207), (11, 38222), (Start: 12 @38255 has 23 MA's), (13, 38357),

Gene: Miley16_50 Start: 38266, Stop: 38394, Start Num: 12

Candidate Starts for Miley16_50:

(1, 38149), (3, 38167), (5, 38182), (6, 38188), (9, 38200), (10, 38218), (11, 38233), (Start: 12 @38266 has 23 MA's), (13, 38368),

Gene: MkaliMitinis3_50 Start: 38296, Stop: 38424, Start Num: 12

Candidate Starts for MkaliMitinis3_50:

(1, 38179), (3, 38197), (5, 38212), (6, 38218), (9, 38230), (10, 38248), (11, 38263), (Start: 12 @38296 has 23 MA's), (13, 38398),

Gene: Netyap_50 Start: 38266, Stop: 38394, Start Num: 12

Candidate Starts for Netyap_50:

(1, 38149), (3, 38167), (5, 38182), (6, 38188), (9, 38200), (10, 38218), (11, 38233), (Start: 12 @38266 has 23 MA's), (13, 38368),

Gene: Nicholasp3_50 Start: 38267, Stop: 38395, Start Num: 12

Candidate Starts for Nicholasp3_50:

(1, 38150), (3, 38168), (5, 38183), (6, 38189), (9, 38201), (10, 38219), (11, 38234), (Start: 12 @38267 has 23 MA's), (13, 38369),

Gene: OverPar_51 Start: 38326, Stop: 38454, Start Num: 12

Candidate Starts for OverPar_51:

(1, 38209), (3, 38227), (5, 38242), (6, 38248), (9, 38260), (10, 38278), (11, 38293), (Start: 12 @38326 has 23 MA's), (13, 38428),

Gene: Rumpelstiltskin_50 Start: 38533, Stop: 38661, Start Num: 12

Candidate Starts for Rumpelstiltskin_50:

(1, 38416), (3, 38434), (5, 38449), (6, 38455), (9, 38467), (10, 38485), (11, 38500), (Start: 12 @38533 has 23 MA's), (13, 38635),

Gene: Sarshaun_50 Start: 38328, Stop: 38456, Start Num: 12

Candidate Starts for Sarshaun_50:

(1, 38211), (3, 38229), (5, 38244), (6, 38250), (9, 38262), (10, 38280), (11, 38295), (Start: 12 @38328 has 23 MA's), (13, 38430),

Gene: SoJulia_51 Start: 38526, Stop: 38654, Start Num: 12

Candidate Starts for SoJulia_51:

(1, 38409), (3, 38427), (5, 38442), (6, 38448), (9, 38460), (10, 38478), (11, 38493), (Start: 12 @38526 has 23 MA's), (13, 38628),

Gene: Soap141_50 Start: 38328, Stop: 38456, Start Num: 12

Candidate Starts for Soap141_50:

(1, 38211), (3, 38229), (5, 38244), (6, 38250), (9, 38262), (10, 38280), (11, 38295), (Start: 12 @38328 has 23 MA's), (13, 38430),

Gene: Tourach_49 Start: 38287, Stop: 38415, Start Num: 12

Candidate Starts for Tourach_49:

(1, 38170), (2, 38176), (3, 38188), (4, 38200), (5, 38203), (7, 38215), (8, 38218), (9, 38221), (10, 38239), (11, 38254), (Start: 12 @38287 has 23 MA's), (13, 38389),

Gene: Vetrix_50 Start: 38272, Stop: 38400, Start Num: 12

Candidate Starts for Vetrix_50:

(1, 38155), (3, 38173), (5, 38188), (6, 38194), (9, 38206), (10, 38224), (11, 38239), (Start: 12 @38272 has 23 MA's), (13, 38374),

Gene: Wigglewiggles_50 Start: 38327, Stop: 38455, Start Num: 12

Candidate Starts for Wigglewiggles_50:

(1, 38210), (3, 38228), (5, 38243), (6, 38249), (9, 38261), (10, 38279), (11, 38294), (Start: 12 @38327 has 23 MA's), (13, 38429),

Gene: Wilder_50 Start: 38272, Stop: 38400, Start Num: 12

Candidate Starts for Wilder_50:

(1, 38155), (3, 38173), (5, 38188), (6, 38194), (9, 38206), (10, 38224), (11, 38239), (Start: 12 @38272 has 23 MA's), (13, 38374),

Gene: Zakai_50 Start: 38524, Stop: 38652, Start Num: 12

Candidate Starts for Zakai_50:

(1, 38407), (3, 38425), (5, 38440), (6, 38446), (9, 38458), (10, 38476), (11, 38491), (Start: 12 @38524
has 23 MA's), (13, 38626),