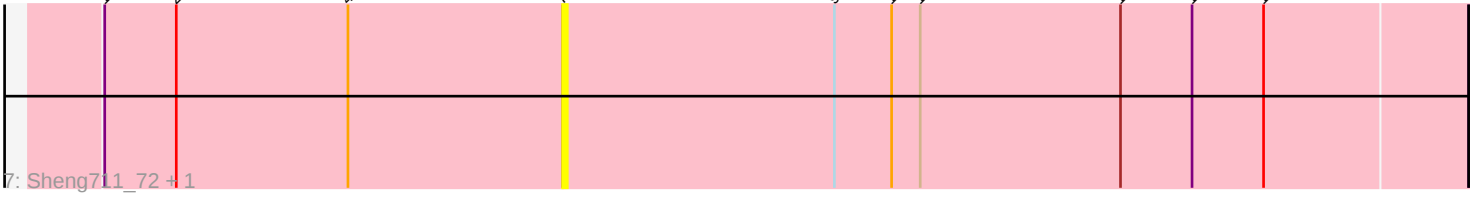
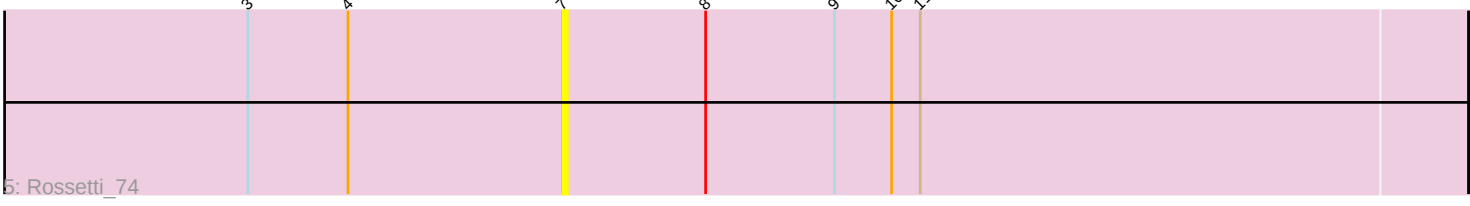
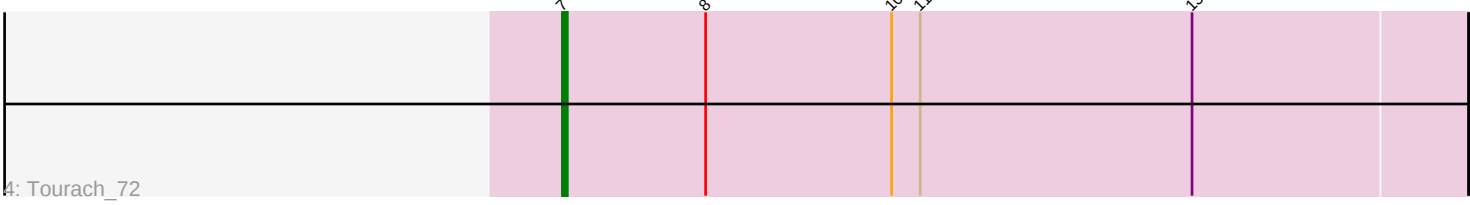
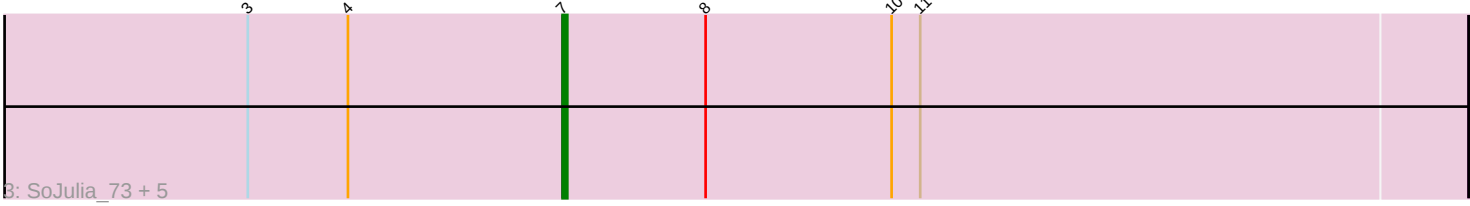
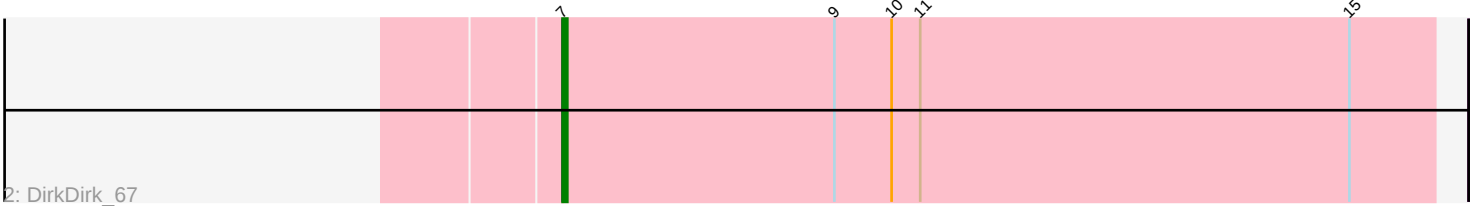


Pham 325498



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 325498 Report

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

Pham number 325498 has 28 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Acquire49_70, JoeDirt_70, Tyson_71, Calm_72, Appletree2_69, Halena_68, MAckerman_68, Zaria_71, OhShagHennessey_68, Silverleaf_70, Rose5_70, AvadaKedavra_70, Poochiewood_69, Enceladus_67, Wyatt2_71
- Track 2 : DirkDirk_67
- Track 3 : SoJulia_73, Molivier_65, DHan_76, Hafay_74, Vetrix_72, Crossroads_72
- Track 4 : Tourach_72
- Track 5 : Rossetti_74
- Track 6 : PYPDinur_70, Douzhi_72
- Track 7 : Sheng711_72, BrainDrainer_72

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

The start number called the most often in the published annotations is 7, it was called in 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acquire49_70, Appletree2_69, AvadaKedavra_70, BrainDrainer_72, Calm_72, Crossroads_72, DHan_76, DirkDirk_67, Douzhi_72, Enceladus_67, Hafay_74, Halena_68, JoeDirt_70, MAckerman_68, Molivier_65, OhShagHennessey_68, PYPDinur_70, Poochiewood_69, Rose5_70, Rossetti_74, Sheng711_72, Silverleaf_70, SoJulia_73, Tourach_72, Tyson_71, Vetrix_72, Wyatt2_71, Zaria_71,

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 7:

- Found in 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 18 of 18
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Acquire49_70 (L1), Appletree2_69 (L1), AvadaKedavra_70 (L1), BrainDrainer_72 (L4), Calm_72 (L1), Crossroads_72 (L2), DHan_76 (L2), DirkDirk_67 (L1), Douzhi_72 (L4), Enceladus_67 (L1), Hafay_74 (L2), Halena_68 (L1), JoeDirt_70 (L1), MAckerman_68 (L1), Molivier_65 (L2), OhShagHennessey_68 (L1), PYPDinur_70 (L4), Poochiewood_69 (L1), Rose5_70 (L1), Rossetti_74 (L2), Sheng711_72 (L4), Silverleaf_70 (L1), SoJulia_73 (L2), Tourach_72 (L2), Tyson_71 (L1), Vetrix_72 (L2), Wyatt2_71 (L1), Zaria_71 (L1),

Summary by clusters:

There are 3 clusters represented in this pham: L4, L2, L1,

Info for manual annotations of cluster L1:

- Start number 7 was manually annotated 15 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 7 was manually annotated 3 times for cluster L2.

Gene Information:

Gene: Acquire49_70 Start: 47539, Stop: 47721, Start Num: 7

Candidate Starts for Acquire49_70:

(Start: 7 @47539 has 18 MA's), (10, 47608), (11, 47614), (15, 47704),

Gene: Appletree2_69 Start: 47154, Stop: 47336, Start Num: 7

Candidate Starts for Appletree2_69:

(Start: 7 @47154 has 18 MA's), (10, 47223), (11, 47229), (15, 47319),

Gene: AvadaKedavra_70 Start: 47612, Stop: 47794, Start Num: 7

Candidate Starts for AvadaKedavra_70:

(Start: 7 @47612 has 18 MA's), (10, 47681), (11, 47687), (15, 47777),

Gene: BrainDrainer_72 Start: 48423, Stop: 48611, Start Num: 7

Candidate Starts for BrainDrainer_72:

(1, 48327), (2, 48342), (4, 48378), (Start: 7 @48423 has 18 MA's), (9, 48480), (10, 48492), (11, 48498), (12, 48540), (13, 48555), (14, 48570),

Gene: Calm_72 Start: 47865, Stop: 48047, Start Num: 7

Candidate Starts for Calm_72:

(Start: 7 @47865 has 18 MA's), (10, 47934), (11, 47940), (15, 48030),

Gene: Crossroads_72 Start: 49270, Stop: 49458, Start Num: 7

Candidate Starts for Crossroads_72:

(3, 49204), (4, 49225), (Start: 7 @49270 has 18 MA's), (8, 49300), (10, 49339), (11, 49345),

Gene: DHan_76 Start: 49484, Stop: 49672, Start Num: 7

Candidate Starts for DHan_76:

(3, 49418), (4, 49439), (Start: 7 @49484 has 18 MA's), (8, 49514), (10, 49553), (11, 49559),

Gene: DirkDirk_67 Start: 46740, Stop: 46922, Start Num: 7

Candidate Starts for DirkDirk_67:

(Start: 7 @46740 has 18 MA's), (9, 46797), (10, 46809), (11, 46815), (15, 46905),

Gene: Douzhi_72 Start: 48239, Stop: 48427, Start Num: 7

Candidate Starts for Douzhi_72:

(2, 48158), (4, 48194), (5, 48209), (6, 48221), (Start: 7 @48239 has 18 MA's), (9, 48296), (10, 48308), (11, 48314), (12, 48356), (13, 48371), (14, 48386),

Gene: Enceladus_67 Start: 47497, Stop: 47679, Start Num: 7

Candidate Starts for Enceladus_67:

(Start: 7 @47497 has 18 MA's), (10, 47566), (11, 47572), (15, 47662),

Gene: Hafay_74 Start: 49299, Stop: 49487, Start Num: 7

Candidate Starts for Hafay_74:

(3, 49233), (4, 49254), (Start: 7 @49299 has 18 MA's), (8, 49329), (10, 49368), (11, 49374),

Gene: Halena_68 Start: 46777, Stop: 46959, Start Num: 7

Candidate Starts for Halena_68:

(Start: 7 @46777 has 18 MA's), (10, 46846), (11, 46852), (15, 46942),

Gene: JoeDirt_70 Start: 47930, Stop: 48112, Start Num: 7

Candidate Starts for JoeDirt_70:

(Start: 7 @47930 has 18 MA's), (10, 47999), (11, 48005), (15, 48095),

Gene: MAckerman_68 Start: 46770, Stop: 46952, Start Num: 7

Candidate Starts for MAckerman_68:

(Start: 7 @46770 has 18 MA's), (10, 46839), (11, 46845), (15, 46935),

Gene: Molivier_65 Start: 44254, Stop: 44442, Start Num: 7

Candidate Starts for Molivier_65:

(3, 44188), (4, 44209), (Start: 7 @44254 has 18 MA's), (8, 44284), (10, 44323), (11, 44329),

Gene: OhShagHennessy_68 Start: 46646, Stop: 46828, Start Num: 7

Candidate Starts for OhShagHennessy_68:

(Start: 7 @46646 has 18 MA's), (10, 46715), (11, 46721), (15, 46811),

Gene: PYPDinur_70 Start: 48269, Stop: 48457, Start Num: 7

Candidate Starts for PYPDinur_70:

(2, 48188), (4, 48224), (5, 48239), (6, 48251), (Start: 7 @48269 has 18 MA's), (9, 48326), (10, 48338), (11, 48344), (12, 48386), (13, 48401), (14, 48416),

Gene: Poochiewood_69 Start: 47938, Stop: 48120, Start Num: 7

Candidate Starts for Poochiewood_69:

(Start: 7 @47938 has 18 MA's), (10, 48007), (11, 48013), (15, 48103),

Gene: Rose5_70 Start: 47950, Stop: 48132, Start Num: 7

Candidate Starts for Rose5_70:

(Start: 7 @47950 has 18 MA's), (10, 48019), (11, 48025), (15, 48115),

Gene: Rossetti_74 Start: 49774, Stop: 49962, Start Num: 7

Candidate Starts for Rossetti_74:

(3, 49708), (4, 49729), (Start: 7 @49774 has 18 MA's), (8, 49804), (9, 49831), (10, 49843), (11, 49849),

Gene: Sheng711_72 Start: 48277, Stop: 48465, Start Num: 7

Candidate Starts for Sheng711_72:

(1, 48181), (2, 48196), (4, 48232), (Start: 7 @48277 has 18 MA's), (9, 48334), (10, 48346), (11, 48352), (12, 48394), (13, 48409), (14, 48424),

Gene: Silverleaf_70 Start: 47400, Stop: 47582, Start Num: 7

Candidate Starts for Silverleaf_70:

(Start: 7 @47400 has 18 MA's), (10, 47469), (11, 47475), (15, 47565),

Gene: SoJulia_73 Start: 49857, Stop: 50045, Start Num: 7

Candidate Starts for SoJulia_73:

(3, 49791), (4, 49812), (Start: 7 @49857 has 18 MA's), (8, 49887), (10, 49926), (11, 49932),

Gene: Tourach_72 Start: 49495, Stop: 49683, Start Num: 7

Candidate Starts for Tourach_72:

(Start: 7 @49495 has 18 MA's), (8, 49525), (10, 49564), (11, 49570), (13, 49627),

Gene: Tyson_71 Start: 47876, Stop: 48058, Start Num: 7

Candidate Starts for Tyson_71:

(Start: 7 @47876 has 18 MA's), (10, 47945), (11, 47951), (15, 48041),

Gene: Vetrix_72 Start: 49235, Stop: 49423, Start Num: 7

Candidate Starts for Vetrix_72:

(3, 49169), (4, 49190), (Start: 7 @49235 has 18 MA's), (8, 49265), (10, 49304), (11, 49310),

Gene: Wyatt2_71 Start: 47874, Stop: 48056, Start Num: 7

Candidate Starts for Wyatt2_71:

(Start: 7 @47874 has 18 MA's), (10, 47943), (11, 47949), (15, 48039),

Gene: Zaria_71 Start: 47330, Stop: 47512, Start Num: 7

Candidate Starts for Zaria_71:

(Start: 7 @47330 has 18 MA's), (10, 47399), (11, 47405), (15, 47495),