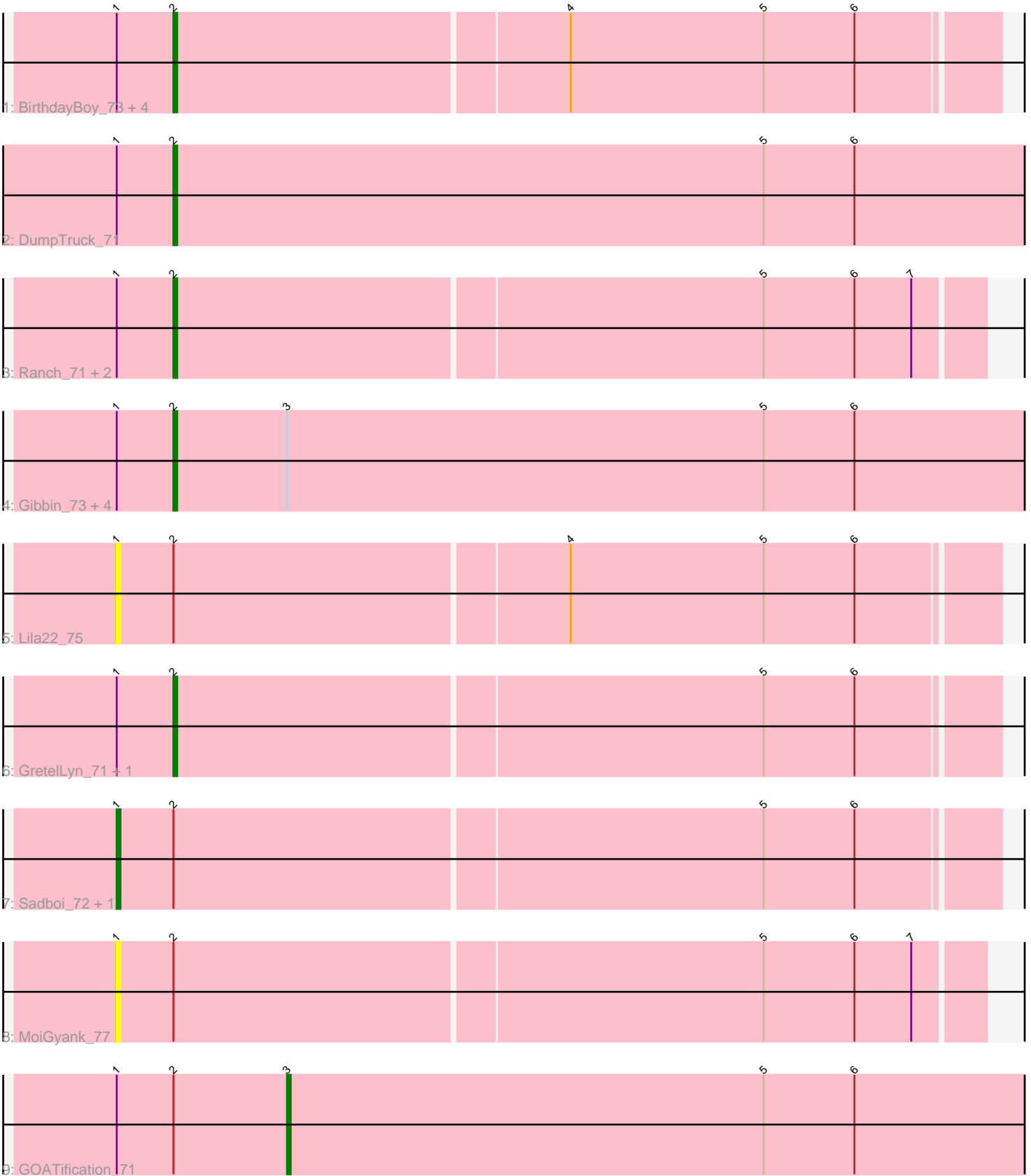


Pham 4942



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 4942 Report

This analysis was run 04/28/24 on database version 559.

Pham number 4942 has 21 members, 3 are drafts.

Phages represented in each track:

- Track 1 : BirthdayBoy_73, Zany_69, OtterstedtS21_71, ParvusTarda_70, Benjamin420_72
- Track 2 : DumpTruck_71
- Track 3 : Ranch_71, Jalebi_71, Sampudon_72
- Track 4 : Gibbin_73, Lambo_69, Fulcrum_71, Patos_75, NorManre_75
- Track 5 : Lila22_75
- Track 6 : GretelLyn_71, Erutan_71
- Track 7 : Sadboi_72, Yikes_73
- Track 8 : MoiGyank_77
- Track 9 : GOATification_71

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

The start number called the most often in the published annotations is 2, it was called in 15 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BirthdayBoy_73, DumpTruck_71, Erutan_71, Fulcrum_71, Gibbin_73, GretelLyn_71, Jalebi_71, Lambo_69, NorManre_75, OtterstedtS21_71, ParvusTarda_70, Patos_75, Benjamin420_72, Ranch_71, Sampudon_72, Zany_69,

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

- GOATification_71, Lila22_75, MoiGyank_77, Sadboi_72, Yikes_73,

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

-

Summary by start number:

Start 1:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 18
- Called 19.0% of time when present

- Phage (with cluster) where this start called: Lila22_75 (DV), MoiGyank_77 (DV), Sadboi_72 (DV), Yikes_73 (DV),

Start 2:

- Found in 21 of 21 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 18
- Called 76.2% of time when present
- Phage (with cluster) where this start called: BirthdayBoy_73 (DV), DumpTruck_71 (DV), Erutan_71 (DV), Fulcrum_71 (DV), Gibbin_73 (DV), GretellLyn_71 (DV), Jalebi_71 (DV), Lambo_69 (DV), NorManre_75 (DV), OtterstedtS21_71 (DV), ParvusTarda_70 (DV), Patos_75 (DV), Penjamin420_72 (DV), Ranch_71 (DV), Sampudon_72 (DV), Zany_69 (DV),

Start 3:

- Found in 6 of 21 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 18
- Called 16.7% of time when present
- Phage (with cluster) where this start called: GOATification_71 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:

- Start number 1 was manually annotated 2 times for cluster DV.
- Start number 2 was manually annotated 15 times for cluster DV.
- Start number 3 was manually annotated 1 time for cluster DV.

Gene Information:

Gene: BirthdayBoy_73 Start: 49361, Stop: 49573, Start Num: 2

Candidate Starts for BirthdayBoy_73:

(Start: 1 @49346 has 2 MA's), (Start: 2 @49361 has 15 MA's), (4, 49463), (5, 49514), (6, 49538),

Gene: DumpTruck_71 Start: 47995, Stop: 48222, Start Num: 2

Candidate Starts for DumpTruck_71:

(Start: 1 @47980 has 2 MA's), (Start: 2 @47995 has 15 MA's), (5, 48151), (6, 48175),

Gene: Erutan_71 Start: 48461, Stop: 48691, Start Num: 2

Candidate Starts for Erutan_71:

(Start: 1 @48446 has 2 MA's), (Start: 2 @48461 has 15 MA's), (5, 48614), (6, 48638),

Gene: Fulcrum_71 Start: 48669, Stop: 48896, Start Num: 2

Candidate Starts for Fulcrum_71:

(Start: 1 @48654 has 2 MA's), (Start: 2 @48669 has 15 MA's), (Start: 3 @48699 has 1 MA's), (5, 48825), (6, 48849),

Gene: GOATification_71 Start: 48699, Stop: 48896, Start Num: 3

Candidate Starts for GOATification_71:

(Start: 1 @48654 has 2 MA's), (Start: 2 @48669 has 15 MA's), (Start: 3 @48699 has 1 MA's), (5, 48825), (6, 48849),

Gene: Gibbin_73 Start: 49474, Stop: 49701, Start Num: 2

Candidate Starts for Gibbin_73:

(Start: 1 @49459 has 2 MA's), (Start: 2 @49474 has 15 MA's), (Start: 3 @49504 has 1 MA's), (5, 49630), (6, 49654),

Gene: Gretellyn_71 Start: 49336, Stop: 49548, Start Num: 2

Candidate Starts for Gretellyn_71:

(Start: 1 @49321 has 2 MA's), (Start: 2 @49336 has 15 MA's), (5, 49489), (6, 49513),

Gene: Jalebi_71 Start: 50063, Stop: 50272, Start Num: 2

Candidate Starts for Jalebi_71:

(Start: 1 @50048 has 2 MA's), (Start: 2 @50063 has 15 MA's), (5, 50216), (6, 50240), (7, 50255),

Gene: Lambo_69 Start: 48466, Stop: 48693, Start Num: 2

Candidate Starts for Lambo_69:

(Start: 1 @48451 has 2 MA's), (Start: 2 @48466 has 15 MA's), (Start: 3 @48496 has 1 MA's), (5, 48622), (6, 48646),

Gene: Lila22_75 Start: 49404, Stop: 49631, Start Num: 1

Candidate Starts for Lila22_75:

(Start: 1 @49404 has 2 MA's), (Start: 2 @49419 has 15 MA's), (4, 49521), (5, 49572), (6, 49596),

Gene: MoiGyank_77 Start: 49602, Stop: 49826, Start Num: 1

Candidate Starts for MoiGyank_77:

(Start: 1 @49602 has 2 MA's), (Start: 2 @49617 has 15 MA's), (5, 49770), (6, 49794), (7, 49809),

Gene: NorManre_75 Start: 49866, Stop: 50093, Start Num: 2

Candidate Starts for NorManre_75:

(Start: 1 @49851 has 2 MA's), (Start: 2 @49866 has 15 MA's), (Start: 3 @49896 has 1 MA's), (5, 50022), (6, 50046),

Gene: OtterstedtS21_71 Start: 48800, Stop: 49012, Start Num: 2

Candidate Starts for OtterstedtS21_71:

(Start: 1 @48785 has 2 MA's), (Start: 2 @48800 has 15 MA's), (4, 48902), (5, 48953), (6, 48977),

Gene: ParvusTarda_70 Start: 48172, Stop: 48384, Start Num: 2

Candidate Starts for ParvusTarda_70:

(Start: 1 @48157 has 2 MA's), (Start: 2 @48172 has 15 MA's), (4, 48274), (5, 48325), (6, 48349),

Gene: Patos_75 Start: 49865, Stop: 50092, Start Num: 2

Candidate Starts for Patos_75:

(Start: 1 @49850 has 2 MA's), (Start: 2 @49865 has 15 MA's), (Start: 3 @49895 has 1 MA's), (5, 50021), (6, 50045),

Gene: Penjamin420_72 Start: 48948, Stop: 49160, Start Num: 2

Candidate Starts for Penjamin420_72:

(Start: 1 @48933 has 2 MA's), (Start: 2 @48948 has 15 MA's), (4, 49050), (5, 49101), (6, 49125),

Gene: Ranch_71 Start: 47644, Stop: 47853, Start Num: 2

Candidate Starts for Ranch_71:

(Start: 1 @47629 has 2 MA's), (Start: 2 @47644 has 15 MA's), (5, 47797), (6, 47821), (7, 47836),

Gene: Sadboi_72 Start: 49322, Stop: 49549, Start Num: 1

Candidate Starts for Sadboi_72:

(Start: 1 @49322 has 2 MA's), (Start: 2 @49337 has 15 MA's), (5, 49490), (6, 49514),

Gene: Sampudon_72 Start: 50063, Stop: 50272, Start Num: 2

Candidate Starts for Sampudon_72:

(Start: 1 @50048 has 2 MA's), (Start: 2 @50063 has 15 MA's), (5, 50216), (6, 50240), (7, 50255),

Gene: Yikes_73 Start: 49768, Stop: 49995, Start Num: 1

Candidate Starts for Yikes_73:

(Start: 1 @49768 has 2 MA's), (Start: 2 @49783 has 15 MA's), (5, 49936), (6, 49960),

Gene: Zany_69 Start: 49377, Stop: 49589, Start Num: 2

Candidate Starts for Zany_69:

(Start: 1 @49362 has 2 MA's), (Start: 2 @49377 has 15 MA's), (4, 49479), (5, 49530), (6, 49554),