



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 2621 Report

This analysis was run 07/09/24 on database version 566.

Pham number 2621 has 33 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Sabella_51, Tres_52, Faze9_51, Rosebush_51, Lephleur_52, Ares_52, Phantasmagoria_52, FrenchFry_52, Holeinone_52, Blocker23_52, Bananafish_52, Hedgerow_52, Calamitous_52, Brownie5_52, Rhinoforte_52, Kaleb_52, Allegro_52, Kheth_52, TA17A_52, Boyle_52, Coffee_52, West99_52, Opia_52, LizLemon_52, Arbiter_51, Tinciduntolum_53, Eaglehorse_52
- Track 2 : Laurie_51, Lars_52, Godines_52
- Track 3 : ItsyBitsy1_52, MasterPo_52
- Track 4 : Glass_52

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 30 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Allegro_52, Arbiter_51, Ares_52, Bananafish_52, Blocker23_52, Boyle_52, Brownie5_52, Calamitous_52, Coffee_52, Eaglehorse_52, Faze9_51, FrenchFry_52, Godines_52, Hedgerow_52, Holeinone_52, ItsyBitsy1_52, Kaleb_52, Kheth_52, Lars_52, Laurie_51, Lephleur_52, LizLemon_52, MasterPo_52, Opia_52, Phantasmagoria_52, Rhinoforte_52, Rosebush_51, Sabella_51, TA17A_52, Tinciduntolum_53, Tres_52, West99_52,

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

- Glass_52,

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

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Summary by start number:

Start 1:

- Found in 4 of 33 (12.1%) of genes in pham
- Manual Annotations of this start: 1 of 31
- Called 25.0% of time when present

- Phage (with cluster) where this start called: Glass_52 (B2),

Start 2:

- Found in 33 of 33 (100.0%) of genes in pham
- Manual Annotations of this start: 30 of 31
- Called 97.0% of time when present
- Phage (with cluster) where this start called: Allegro_52 (B2), Arbiter_51 (B2), Ares_52 (B2), Bananafish_52 (B2), Blocker23_52 (B2), Boyle_52 (B2), Brownie5_52 (B2), Calamitous_52 (B2), Coffee_52 (B2), Eaglehorse_52 (B2), Faze9_51 (B2), FrenchFry_52 (B2), Godines_52 (B2), Hedgerow_52 (B2), Holeinone_52 (B2), ItsyBitsy1_52 (B2), Kaleb_52 (B2), Kheth_52 (B2), Lars_52 (B2), Laurie_51 (B2), Lephleur_52 (B2), LizLemon_52 (B2), MasterPo_52 (B2), Opia_52 (B2), Phantasmagoria_52 (B2), Rhinoforte_52 (B2), Rosebush_51 (B2), Sabella_51 (B2), TA17A_52 (B2), Tinciduntolum_53 (B2), Tres_52 (B2), West99_52 (B2),

Summary by clusters:

There is one cluster represented in this pham: B2

Info for manual annotations of cluster B2:

- Start number 1 was manually annotated 1 time for cluster B2.
- Start number 2 was manually annotated 30 times for cluster B2.

Gene Information:

Gene: Allegro_52 Start: 46796, Stop: 46635, Start Num: 2

Candidate Starts for Allegro_52:

(Start: 2 @46796 has 30 MA's), (3, 46775), (4, 46742), (5, 46733),

Gene: Arbiter_51 Start: 46902, Stop: 46741, Start Num: 2

Candidate Starts for Arbiter_51:

(Start: 2 @46902 has 30 MA's), (3, 46881), (4, 46848), (5, 46839),

Gene: Ares_52 Start: 46871, Stop: 46710, Start Num: 2

Candidate Starts for Ares_52:

(Start: 2 @46871 has 30 MA's), (3, 46850), (4, 46817), (5, 46808),

Gene: Bananafish_52 Start: 46805, Stop: 46644, Start Num: 2

Candidate Starts for Bananafish_52:

(Start: 2 @46805 has 30 MA's), (3, 46784), (4, 46751), (5, 46742),

Gene: Blocker23_52 Start: 46918, Stop: 46757, Start Num: 2

Candidate Starts for Blocker23_52:

(Start: 2 @46918 has 30 MA's), (3, 46897), (4, 46864), (5, 46855),

Gene: Boyle_52 Start: 46938, Stop: 46777, Start Num: 2

Candidate Starts for Boyle_52:

(Start: 2 @46938 has 30 MA's), (3, 46917), (4, 46884), (5, 46875),

Gene: Brownie5_52 Start: 46954, Stop: 46793, Start Num: 2

Candidate Starts for Brownie5_52:

(Start: 2 @46954 has 30 MA's), (3, 46933), (4, 46900), (5, 46891),

Gene: Calamitous_52 Start: 46804, Stop: 46643, Start Num: 2

Candidate Starts for Calamitous_52:

(Start: 2 @46804 has 30 MA's), (3, 46783), (4, 46750), (5, 46741),

Gene: Coffee_52 Start: 46913, Stop: 46752, Start Num: 2

Candidate Starts for Coffee_52:

(Start: 2 @46913 has 30 MA's), (3, 46892), (4, 46859), (5, 46850),

Gene: Eaglehorse_52 Start: 46839, Stop: 46678, Start Num: 2

Candidate Starts for Eaglehorse_52:

(Start: 2 @46839 has 30 MA's), (3, 46818), (4, 46785), (5, 46776),

Gene: Faze9_51 Start: 46933, Stop: 46772, Start Num: 2

Candidate Starts for Faze9_51:

(Start: 2 @46933 has 30 MA's), (3, 46912), (4, 46879), (5, 46870),

Gene: FrenchFry_52 Start: 46912, Stop: 46751, Start Num: 2

Candidate Starts for FrenchFry_52:

(Start: 2 @46912 has 30 MA's), (3, 46891), (4, 46858), (5, 46849),

Gene: Glass_52 Start: 46938, Stop: 46756, Start Num: 1

Candidate Starts for Glass_52:

(Start: 1 @46938 has 1 MA's), (Start: 2 @46917 has 30 MA's), (3, 46896), (4, 46863), (5, 46854),

Gene: Godines_52 Start: 46869, Stop: 46708, Start Num: 2

Candidate Starts for Godines_52:

(Start: 1 @46890 has 1 MA's), (Start: 2 @46869 has 30 MA's), (3, 46848), (4, 46815), (5, 46806),

Gene: Hedgerow_52 Start: 46926, Stop: 46765, Start Num: 2

Candidate Starts for Hedgerow_52:

(Start: 2 @46926 has 30 MA's), (3, 46905), (4, 46872), (5, 46863),

Gene: Holeinone_52 Start: 46777, Stop: 46616, Start Num: 2

Candidate Starts for Holeinone_52:

(Start: 2 @46777 has 30 MA's), (3, 46756), (4, 46723), (5, 46714),

Gene: ItsyBitsy1_52 Start: 46794, Stop: 46633, Start Num: 2

Candidate Starts for ItsyBitsy1_52:

(Start: 2 @46794 has 30 MA's), (3, 46773), (4, 46740), (5, 46731), (6, 46698),

Gene: Kaleb_52 Start: 46941, Stop: 46780, Start Num: 2

Candidate Starts for Kaleb_52:

(Start: 2 @46941 has 30 MA's), (3, 46920), (4, 46887), (5, 46878),

Gene: Kheth_52 Start: 46830, Stop: 46669, Start Num: 2

Candidate Starts for Kheth_52:

(Start: 2 @46830 has 30 MA's), (3, 46809), (4, 46776), (5, 46767),

Gene: Lars_52 Start: 46901, Stop: 46740, Start Num: 2

Candidate Starts for Lars_52:

(Start: 1 @46922 has 1 MA's), (Start: 2 @46901 has 30 MA's), (3, 46880), (4, 46847), (5, 46838),

Gene: Laurie_51 Start: 46286, Stop: 46125, Start Num: 2
Candidate Starts for Laurie_51:
(Start: 1 @46307 has 1 MA's), (Start: 2 @46286 has 30 MA's), (3, 46265), (4, 46232), (5, 46223),

Gene: Lephleur_52 Start: 46807, Stop: 46646, Start Num: 2
Candidate Starts for Lephleur_52:
(Start: 2 @46807 has 30 MA's), (3, 46786), (4, 46753), (5, 46744),

Gene: LizLemon_52 Start: 46923, Stop: 46762, Start Num: 2
Candidate Starts for LizLemon_52:
(Start: 2 @46923 has 30 MA's), (3, 46902), (4, 46869), (5, 46860),

Gene: MasterPo_52 Start: 46816, Stop: 46655, Start Num: 2
Candidate Starts for MasterPo_52:
(Start: 2 @46816 has 30 MA's), (3, 46795), (4, 46762), (5, 46753), (6, 46720),

Gene: Opia_52 Start: 46810, Stop: 46649, Start Num: 2
Candidate Starts for Opia_52:
(Start: 2 @46810 has 30 MA's), (3, 46789), (4, 46756), (5, 46747),

Gene: Phantasmagoria_52 Start: 46808, Stop: 46647, Start Num: 2
Candidate Starts for Phantasmagoria_52:
(Start: 2 @46808 has 30 MA's), (3, 46787), (4, 46754), (5, 46745),

Gene: Rhinoforte_52 Start: 46929, Stop: 46768, Start Num: 2
Candidate Starts for Rhinoforte_52:
(Start: 2 @46929 has 30 MA's), (3, 46908), (4, 46875), (5, 46866),

Gene: Rosebush_51 Start: 46941, Stop: 46780, Start Num: 2
Candidate Starts for Rosebush_51:
(Start: 2 @46941 has 30 MA's), (3, 46920), (4, 46887), (5, 46878),

Gene: Sabella_51 Start: 46792, Stop: 46631, Start Num: 2
Candidate Starts for Sabella_51:
(Start: 2 @46792 has 30 MA's), (3, 46771), (4, 46738), (5, 46729),

Gene: TA17A_52 Start: 46791, Stop: 46630, Start Num: 2
Candidate Starts for TA17A_52:
(Start: 2 @46791 has 30 MA's), (3, 46770), (4, 46737), (5, 46728),

Gene: Tinciduntolum_53 Start: 46953, Stop: 46792, Start Num: 2
Candidate Starts for Tinciduntolum_53:
(Start: 2 @46953 has 30 MA's), (3, 46932), (4, 46899), (5, 46890),

Gene: Tres_52 Start: 46804, Stop: 46643, Start Num: 2
Candidate Starts for Tres_52:
(Start: 2 @46804 has 30 MA's), (3, 46783), (4, 46750), (5, 46741),

Gene: West99_52 Start: 46950, Stop: 46789, Start Num: 2
Candidate Starts for West99_52:
(Start: 2 @46950 has 30 MA's), (3, 46929), (4, 46896), (5, 46887),