Pham 86208

3
4
5
7
1: Bananafish_72 + 21
2
3
4
5
7
2: Godines_72
3
4
5
6
7
3: Ares_71 + 4
3
4
5
7
8
4: West99_71
1
2
3
4
5
7
5: Allegro_71

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 86208 Report

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

Pham number 86208 has 30 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Bananafish_72, Lars_72, Kheth_71, Rhinoforte_71, Faze9_70, MasterPo_72, Laurie_72, Tres_71, Opia_72, Phantasmagoria_70, FrenchFry_72, Glass_73, Blocker23_71, Holeinone_71, Hedgerow_71, Kaleb_72, Calamitous_72, Eaglehorse_71, Boyle_71, Lephleur_71, LizLemon_71, Sabella_71
• Track 2 : Godines_72
• Track 3 : Ares_71, Tinciduntsolum_72, Coffee_71, Brownie5_71, TA17A_71
• Track 4 : West99_71
• Track 5 : Allegro_71

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 28 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Allegro_71, Ares_71, Bananafish_72, Blocker23_71, Boyle_71, Brownie5_71, Calamitous_72, Coffee_71, Eaglehorse_71, Faze9_70, FrenchFry_72, Glass_73, Godines_72, Hedgerow_71, Holeinone_71, Kaleb_72, Kheth_71, Lars_72, Laurie_72, Lephleur_71, LizLemon_71, MasterPo_72, Opia_72, Phantasmagoria_70, Rhinoforte_71, Sabella_71, TA17A_71, Tinciduntsolum_72, Tres_71, West99_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 30 of 30 (100.0%) of genes in pham
• Manual Annotations of this start: 28 of 28
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Allegro_71 (B2), Ares_71 (B2), Bananafish_72 (B2), Blocker23_71 (B2), Boyle_71 (B2), Brownie5_71 (B2), Calamitous_72 (B2), Coffee_71 (B2), Eaglehorse_71 (B2), Faze9_70 (B2), FrenchFry_72 (B2), Glass_73 (B2), Godines_72 (B2), Hedgerow_71 (B2), Holeinone_71 (B2), Kaleb_72 (B2), Kheth_71 (B2), Lars_72 (B2), Laurie_72 (B2), Lephleur_71 (B2), LizLemon_71 (B2), MasterPo_72 (B2), Opia_72 (B2), Phantasmagoria_70 (B2), Rhinoforte_71 (B2), Sabella_71 (B2), TA17A_71 (B2), Tinciduntsolum_72 (B2), Tres_71 (B2), West99_71 (B2),

Summary by clusters:

There is one cluster represented in this pham: B2

Info for manual annotations of cluster B2:
•Start number 7 was manually annotated 28 times for cluster B2.

Gene Information:

Gene: Allegro_71 Start: 59110, Stop: 59006, Start Num: 7
Candidate Starts for Allegro_71:
(1, 59689), (2, 59623), (3, 59554), (4, 59530), (5, 59416), (Start: 7 @59110 has 28 MA's),

Gene: Ares_71 Start: 59116, Stop: 59012, Start Num: 7
Candidate Starts for Ares_71:
(3, 59560), (4, 59536), (5, 59422), (6, 59392), (Start: 7 @59116 has 28 MA's),

Gene: Bananafish_72 Start: 59046, Stop: 58942, Start Num: 7
Candidate Starts for Bananafish_72:
(3, 59490), (4, 59466), (5, 59352), (Start: 7 @59046 has 28 MA's),

Gene: Blocker23_71 Start: 59111, Stop: 59007, Start Num: 7
Candidate Starts for Blocker23_71:
(3, 59555), (4, 59531), (5, 59417), (Start: 7 @59111 has 28 MA's),

Gene: Boyle_71 Start: 59155, Stop: 59051, Start Num: 7
Candidate Starts for Boyle_71:
(3, 59599), (4, 59575), (5, 59461), (Start: 7 @59155 has 28 MA's),

Gene: Brownie5_71 Start: 59156, Stop: 59052, Start Num: 7
Candidate Starts for Brownie5_71:
(3, 59600), (4, 59576), (5, 59462), (6, 59432), (Start: 7 @59156 has 28 MA's),

Gene: Calamitous_72 Start: 59045, Stop: 58941, Start Num: 7
Candidate Starts for Calamitous_72:
(3, 59489), (4, 59465), (5, 59351), (Start: 7 @59045 has 28 MA's),

Gene: Coffee_71 Start: 59149, Stop: 59045, Start Num: 7
Candidate Starts for Coffee_71:
(3, 59593), (4, 59569), (5, 59455), (6, 59425), (Start: 7 @59149 has 28 MA's),

Gene: Eaglehorse_71 Start: 59035, Stop: 58931, Start Num: 7

Candidate Starts for Eaglehorse_71:
(3, 59479), (4, 59455), (5, 59341), (Start: 7 @59035 has 28 MA's),

Gene: Faze9_70 Start: 59173, Stop: 59069, Start Num: 7
Candidate Starts for Faze9_70:
(3, 59617), (4, 59593), (5, 59479), (Start: 7 @59173 has 28 MA's),

Gene: FrenchFry_72 Start: 59160, Stop: 59056, Start Num: 7
Candidate Starts for FrenchFry_72:
(3, 59604), (4, 59580), (5, 59466), (Start: 7 @59160 has 28 MA's),

Gene: Glass_73 Start: 59161, Stop: 59057, Start Num: 7
Candidate Starts for Glass_73:
(3, 59605), (4, 59581), (5, 59467), (Start: 7 @59161 has 28 MA's),

Gene: Godines_72 Start: 59414, Stop: 59310, Start Num: 7
Candidate Starts for Godines_72:
(2, 59927), (3, 59858), (4, 59834), (5, 59720), (Start: 7 @59414 has 28 MA's),

Gene: Hedgerow_71 Start: 59111, Stop: 59007, Start Num: 7
Candidate Starts for Hedgerow_71:
(3, 59555), (4, 59531), (5, 59417), (Start: 7 @59111 has 28 MA's),

Gene: Holeinone_71 Start: 59016, Stop: 58912, Start Num: 7
Candidate Starts for Holeinone_71:
(3, 59460), (4, 59436), (5, 59322), (Start: 7 @59016 has 28 MA's),

Gene: Kaleb_72 Start: 59167, Stop: 59063, Start Num: 7
Candidate Starts for Kaleb_72:
(3, 59611), (4, 59587), (5, 59473), (Start: 7 @59167 has 28 MA's),

Gene: Kheth_71 Start: 59078, Stop: 58974, Start Num: 7
Candidate Starts for Kheth_71:
(3, 59522), (4, 59498), (5, 59384), (Start: 7 @59078 has 28 MA's),

Gene: Lars_72 Start: 59139, Stop: 59035, Start Num: 7
Candidate Starts for Lars_72:
(3, 59583), (4, 59559), (5, 59445), (Start: 7 @59139 has 28 MA's),

Gene: Laurie_72 Start: 58823, Stop: 58719, Start Num: 7
Candidate Starts for Laurie_72:
(3, 59267), (4, 59243), (5, 59129), (Start: 7 @58823 has 28 MA's),

Gene: Lephleur_71 Start: 59001, Stop: 58897, Start Num: 7
Candidate Starts for Lephleur_71:
(3, 59445), (4, 59421), (5, 59307), (Start: 7 @59001 has 28 MA's),

Gene: LizLemon_71 Start: 59166, Stop: 59062, Start Num: 7
Candidate Starts for LizLemon_71:
(3, 59610), (4, 59586), (5, 59472), (Start: 7 @59166 has 28 MA's),

Gene: MasterPo_72 Start: 59033, Stop: 58929, Start Num: 7
Candidate Starts for MasterPo_72:

(3, 59477), (4, 59453), (5, 59339), (Start: 7 @59033 has 28 MA's),

Gene: Opia_72 Start: 59059, Stop: 58955, Start Num: 7
Candidate Starts for Opia_72:
(3, 59503), (4, 59479), (5, 59365), (Start: 7 @59059 has 28 MA's),

Gene: Phantasmagoria_70 Start: 59048, Stop: 58944, Start Num: 7
Candidate Starts for Phantasmagoria_70:
(3, 59492), (4, 59468), (5, 59354), (Start: 7 @59048 has 28 MA's),

Gene: Rhinoforte_71 Start: 59086, Stop: 58982, Start Num: 7
Candidate Starts for Rhinoforte_71:
(3, 59530), (4, 59506), (5, 59392), (Start: 7 @59086 has 28 MA's),

Gene: Sabella_71 Start: 58988, Stop: 58884, Start Num: 7
Candidate Starts for Sabella_71:
(3, 59432), (4, 59408), (5, 59294), (Start: 7 @58988 has 28 MA's),

Gene: TA17A_71 Start: 58996, Stop: 58892, Start Num: 7
Candidate Starts for TA17A_71:
(3, 59440), (4, 59416), (5, 59302), (6, 59272), (Start: 7 @58996 has 28 MA's),

Gene: Tinciduntsolum_72 Start: 59155, Stop: 59051, Start Num: 7
Candidate Starts for Tinciduntsolum_72:
(3, 59599), (4, 59575), (5, 59461), (6, 59431), (Start: 7 @59155 has 28 MA's),

Gene: Tres_71 Start: 59009, Stop: 58905, Start Num: 7
Candidate Starts for Tres_71:
(3, 59453), (4, 59429), (5, 59315), (Start: 7 @59009 has 28 MA's),

Gene: West99_71 Start: 59186, Stop: 59082, Start Num: 7
Candidate Starts for West99_71:
(3, 59630), (4, 59606), (5, 59492), (Start: 7 @59186 has 28 MA's), (8, 59168),