



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 158064 Report

This analysis was run 04/13/24 on database version 558.

Pham number 158064 has 32 members, 8 are drafts.

Phages represented in each track:

- Track 1 : DumpTruck_63
- Track 2 : GretellLyn_64, Gibbin_66, Erutan_64, ParvusTarda_63, Sadboi_65, Fulcrum_64, OtterstedtS21_64, GOATification_64, BirthdayBoy_66
- Track 3 : MoiGyank_70
- Track 4 : DoobyDoo_62, Sampudon_64, Yikes_66, Jalebi_63
- Track 5 : NovaSharks_66, Alyssamiracle_67, Avian_63, Genamy16_67, Rumi_65
- Track 6 : LuckyLeo_61, Patos_68, Apeppi_58, NorManre_68, Ranch_64
- Track 7 : Wojtek_60
- Track 8 : Zany_62, Lambo_62, Penjamin420_65
- Track 9 : Lila22_68
- Track 10 : Xenia2_58
- Track 11 : Tillicus_60

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 24 of the 24 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alyssamiracle_67, Apeppi_58, Avian_63, BirthdayBoy_66, DoobyDoo_62, DumpTruck_63, Erutan_64, Fulcrum_64, GOATification_64, Genamy16_67, Gibbin_66, GretellLyn_64, Jalebi_63, Lambo_62, LuckyLeo_61, NorManre_68, NovaSharks_66, OtterstedtS21_64, ParvusTarda_63, Patos_68, Penjamin420_65, Ranch_64, Rumi_65, Sadboi_65, Sampudon_64, Tillicus_60, Wojtek_60, Xenia2_58, Yikes_66, Zany_62,

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

- Lila22_68, MoiGyank_70,

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

-

Summary by start number:

Start 2:

- Found in 32 of 32 (100.0%) of genes in pham
- Manual Annotations of this start: 24 of 24
- Called 93.8% of time when present
- Phage (with cluster) where this start called: Alyssamiracle_67 (DV), Apeppi_58 (DV), Avian_63 (DV), BirthdayBoy_66 (DV), DoobyDoo_62 (DV), DumpTruck_63 (DV), Erutan_64 (DV), Fulcrum_64 (DV), GOATification_64 (DV), Genamy16_67 (DV), Gibbin_66 (DV), GretelLyn_64 (DV), Jalebi_63 (DV), Lambo_62 (DV), LuckyLeo_61 (DV), NorManre_68 (DV), NovaSharks_66 (DV), OtterstedtS21_64 (DV), ParvusTarda_63 (DV), Patos_68 (DV), Penjamin420_65 (DV), Ranch_64 (DV), Rumi_65 (DV), Sadboi_65 (DV), Sampudon_64 (DV), Tillicus_60 (DV), Wojtek_60 (DV), Xenia2_58 (DV), Yikes_66 (DV), Zany_62 (DV),

Start 5:

- Found in 32 of 32 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 3.1% of time when present
- Phage (with cluster) where this start called: MoiGyank_70 (DV),

Start 6:

- Found in 32 of 32 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 3.1% of time when present
- Phage (with cluster) where this start called: Lila22_68 (DV),

Summary by clusters:

There is one cluster represented in this pham: DV

Info for manual annotations of cluster DV:

- Start number 2 was manually annotated 24 times for cluster DV.

Gene Information:

Gene: Alyssamiracle_67 Start: 42452, Stop: 42931, Start Num: 2

Candidate Starts for Alyssamiracle_67:

(Start: 2 @42452 has 24 MA's), (3, 42467), (5, 42524), (6, 42596), (7, 42632),

Gene: Apeppi_58 Start: 42677, Stop: 43156, Start Num: 2

Candidate Starts for Apeppi_58:

(Start: 2 @42677 has 24 MA's), (3, 42692), (5, 42749), (6, 42821), (7, 42857), (8, 43073),

Gene: Avian_63 Start: 42180, Stop: 42659, Start Num: 2

Candidate Starts for Avian_63:

(Start: 2 @42180 has 24 MA's), (3, 42195), (5, 42252), (6, 42324), (7, 42360),

Gene: BirthdayBoy_66 Start: 43763, Stop: 44242, Start Num: 2

Candidate Starts for BirthdayBoy_66:

(Start: 2 @43763 has 24 MA's), (3, 43778), (5, 43835), (6, 43907), (7, 43943),

Gene: DoobyDoo_62 Start: 42393, Stop: 42872, Start Num: 2

Candidate Starts for DoobyDoo_62:

(Start: 2 @42393 has 24 MA's), (3, 42408), (5, 42465), (6, 42537),

Gene: DumpTruck_63 Start: 42082, Stop: 42579, Start Num: 2

Candidate Starts for DumpTruck_63:

(Start: 2 @42082 has 24 MA's), (3, 42097), (4, 42103), (5, 42166), (6, 42238),

Gene: Erutan_64 Start: 43043, Stop: 43522, Start Num: 2

Candidate Starts for Erutan_64:

(Start: 2 @43043 has 24 MA's), (3, 43058), (5, 43115), (6, 43187), (7, 43223),

Gene: Fulcrum_64 Start: 43059, Stop: 43538, Start Num: 2

Candidate Starts for Fulcrum_64:

(Start: 2 @43059 has 24 MA's), (3, 43074), (5, 43131), (6, 43203), (7, 43239),

Gene: GOATification_64 Start: 43059, Stop: 43538, Start Num: 2

Candidate Starts for GOATification_64:

(Start: 2 @43059 has 24 MA's), (3, 43074), (5, 43131), (6, 43203), (7, 43239),

Gene: Genamy16_67 Start: 42438, Stop: 42917, Start Num: 2

Candidate Starts for Genamy16_67:

(Start: 2 @42438 has 24 MA's), (3, 42453), (5, 42510), (6, 42582), (7, 42618),

Gene: Gibbin_66 Start: 43868, Stop: 44347, Start Num: 2

Candidate Starts for Gibbin_66:

(Start: 2 @43868 has 24 MA's), (3, 43883), (5, 43940), (6, 44012), (7, 44048),

Gene: Gretellyn_64 Start: 43915, Stop: 44394, Start Num: 2

Candidate Starts for Gretellyn_64:

(Start: 2 @43915 has 24 MA's), (3, 43930), (5, 43987), (6, 44059), (7, 44095),

Gene: Jalebi_63 Start: 44260, Stop: 44739, Start Num: 2

Candidate Starts for Jalebi_63:

(Start: 2 @44260 has 24 MA's), (3, 44275), (5, 44332), (6, 44404),

Gene: Lambo_62 Start: 42866, Stop: 43345, Start Num: 2

Candidate Starts for Lambo_62:

(Start: 2 @42866 has 24 MA's), (3, 42881), (5, 42938), (6, 43010), (7, 43046),

Gene: Lila22_68 Start: 43964, Stop: 44299, Start Num: 6

Candidate Starts for Lila22_68:

(Start: 2 @43820 has 24 MA's), (3, 43835), (5, 43892), (6, 43964), (7, 44000),

Gene: LuckyLeo_61 Start: 42677, Stop: 43156, Start Num: 2

Candidate Starts for LuckyLeo_61:

(Start: 2 @42677 has 24 MA's), (3, 42692), (5, 42749), (6, 42821), (7, 42857), (8, 43073),

Gene: MoiGyank_70 Start: 44268, Stop: 44675, Start Num: 5

Candidate Starts for MoiGyank_70:

(Start: 2 @44196 has 24 MA's), (3, 44211), (5, 44268), (6, 44340),

Gene: NorManre_68 Start: 44260, Stop: 44739, Start Num: 2

Candidate Starts for NorManre_68:

(Start: 2 @44260 has 24 MA's), (3, 44275), (5, 44332), (6, 44404), (7, 44440), (8, 44656),

Gene: NovaSharks_66 Start: 42029, Stop: 42508, Start Num: 2

Candidate Starts for NovaSharks_66:

(Start: 2 @42029 has 24 MA's), (3, 42044), (5, 42101), (6, 42173), (7, 42209),

Gene: OtterstedtS21_64 Start: 43202, Stop: 43681, Start Num: 2

Candidate Starts for OtterstedtS21_64:

(Start: 2 @43202 has 24 MA's), (3, 43217), (5, 43274), (6, 43346), (7, 43382),

Gene: ParvusTarda_63 Start: 42577, Stop: 43056, Start Num: 2

Candidate Starts for ParvusTarda_63:

(Start: 2 @42577 has 24 MA's), (3, 42592), (5, 42649), (6, 42721), (7, 42757),

Gene: Patos_68 Start: 44259, Stop: 44738, Start Num: 2

Candidate Starts for Patos_68:

(Start: 2 @44259 has 24 MA's), (3, 44274), (5, 44331), (6, 44403), (7, 44439), (8, 44655),

Gene: Penjamin420_65 Start: 43372, Stop: 43851, Start Num: 2

Candidate Starts for Penjamin420_65:

(Start: 2 @43372 has 24 MA's), (3, 43387), (5, 43444), (6, 43516), (7, 43552),

Gene: Ranch_64 Start: 42034, Stop: 42513, Start Num: 2

Candidate Starts for Ranch_64:

(Start: 2 @42034 has 24 MA's), (3, 42049), (5, 42106), (6, 42178), (7, 42214), (8, 42430),

Gene: Rumi_65 Start: 41726, Stop: 42205, Start Num: 2

Candidate Starts for Rumi_65:

(Start: 2 @41726 has 24 MA's), (3, 41741), (5, 41798), (6, 41870), (7, 41906),

Gene: Sadboi_65 Start: 43916, Stop: 44395, Start Num: 2

Candidate Starts for Sadboi_65:

(Start: 2 @43916 has 24 MA's), (3, 43931), (5, 43988), (6, 44060), (7, 44096),

Gene: Sampudon_64 Start: 44260, Stop: 44739, Start Num: 2

Candidate Starts for Sampudon_64:

(Start: 2 @44260 has 24 MA's), (3, 44275), (5, 44332), (6, 44404),

Gene: Tillicus_60 Start: 42618, Stop: 43097, Start Num: 2

Candidate Starts for Tillicus_60:

(Start: 2 @42618 has 24 MA's), (3, 42633), (5, 42690), (6, 42762), (7, 42798), (8, 43014),

Gene: Wojtek_60 Start: 42299, Stop: 42778, Start Num: 2

Candidate Starts for Wojtek_60:

(Start: 2 @42299 has 24 MA's), (3, 42314), (5, 42371), (6, 42443), (7, 42479), (8, 42695),

Gene: Xenia2_58 Start: 41620, Stop: 42105, Start Num: 2

Candidate Starts for Xenia2_58:

(1, 41575), (Start: 2 @41620 has 24 MA's), (3, 41635), (5, 41692), (6, 41764),

Gene: Yikes_66 Start: 44354, Stop: 44833, Start Num: 2

Candidate Starts for Yikes_66:

(Start: 2 @44354 has 24 MA's), (3, 44369), (5, 44426), (6, 44498),

Gene: Zany_62 Start: 43763, Stop: 44242, Start Num: 2

Candidate Starts for Zany_62:

(Start: 2 @43763 has 24 MA's), (3, 43778), (5, 43835), (6, 43907), (7, 43943),