



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 177877 Report

This analysis was run 11/02/24 on database version 579.

Pham number 177877 has 38 members, 1 are drafts.

Phages represented in each track:

- Track 1 : DrDrey_63, MPhalcon_64, Icee_64, Elph10_63, HufflyPuff_66, Phaux_65, Buck_64, Rimmer_64, Cactus_66, Murica_66, Murphy_64, Bench_66, Nala_65, PhatBacter_67, Phrux_60, FireRed_67, RiverMonster_63, Lilac_65, Terminus_66, Lilizi_64, Hopey_63, Youngblood_66, Cjw1_63, Misfit_64, MISSy_64, Bruin_60
- Track 2 : Tomaszewski_58, Amao_63, Highbury_63, Contagion_59, Mosby_59, Saints25_63, Czyszczonek_64, Marshmallow_61, Nimrod_64, Sotrice96_64, xkcd_66, Maxxinista_65

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 26 of the 37 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bench_66, Bruin_60, Buck_64, Cactus_66, Cjw1_63, DrDrey_63, Elph10_63, FireRed_67, Hopey_63, HufflyPuff_66, Icee_64, Lilac_65, Lilizi_64, MISSy_64, MPhalcon_64, Misfit_64, Murica_66, Murphy_64, Nala_65, PhatBacter_67, Phaux_65, Phrux_60, Rimmer_64, RiverMonster_63, Terminus_66, Youngblood_66,

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

- Amao_63, Contagion_59, Czyszczonek_64, Highbury_63, Marshmallow_61, Maxxinista_65, Mosby_59, Nimrod_64, Saints25_63, Sotrice96_64, Tomaszewski_58, xkcd_66,

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

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Summary by start number:

Start 1:

- Found in 38 of 38 (100.0%) of genes in pham
- Manual Annotations of this start: 11 of 37
- Called 31.6% of time when present

- Phage (with cluster) where this start called: Amao_63 (E), Contagion_59 (E), Czyszczone1_64 (E), Highbury_63 (E), Marshmallow_61 (E), Maxxinista_65 (E), Mosby_59 (E), Nimrod_64 (E), Saints25_63 (E), Sotrice96_64 (E), Tomaszewski_58 (E), xkcd_66 (E),

Start 2:

- Found in 38 of 38 (100.0%) of genes in pham
- Manual Annotations of this start: 26 of 37
- Called 68.4% of time when present
- Phage (with cluster) where this start called: Bench_66 (E), Bruin_60 (E), Buck_64 (E), Cactus_66 (E), Cjw1_63 (E), DrDrey_63 (E), Elph10_63 (E), FireRed_67 (E), Hopey_63 (E), HufflyPuff_66 (E), Icee_64 (E), Lilac_65 (E), Lilizi_64 (E), MISSy_64 (E), MPhalcon_64 (E), Misfit_64 (E), Murica_66 (E), Murphy_64 (E), Nala_65 (E), PhatBacter_67 (E), Phaux_65 (E), Phrux_60 (E), Rimmer_64 (E), RiverMonster_63 (E), Terminus_66 (E), Youngblood_66 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:

- Start number 1 was manually annotated 11 times for cluster E.
- Start number 2 was manually annotated 26 times for cluster E.

Gene Information:

Gene: Amao_63 Start: 42634, Stop: 42945, Start Num: 1

Candidate Starts for Amao_63:

(Start: 1 @42634 has 11 MA's), (Start: 2 @42712 has 26 MA's),

Gene: Bench_66 Start: 42937, Stop: 43236, Start Num: 2

Candidate Starts for Bench_66:

(Start: 1 @42859 has 11 MA's), (Start: 2 @42937 has 26 MA's),

Gene: Bruin_60 Start: 41846, Stop: 42145, Start Num: 2

Candidate Starts for Bruin_60:

(Start: 1 @41768 has 11 MA's), (Start: 2 @41846 has 26 MA's),

Gene: Buck_64 Start: 43553, Stop: 43852, Start Num: 2

Candidate Starts for Buck_64:

(Start: 1 @43475 has 11 MA's), (Start: 2 @43553 has 26 MA's),

Gene: Cactus_66 Start: 42326, Stop: 42625, Start Num: 2

Candidate Starts for Cactus_66:

(Start: 1 @42248 has 11 MA's), (Start: 2 @42326 has 26 MA's),

Gene: Cjw1_63 Start: 44027, Stop: 44326, Start Num: 2

Candidate Starts for Cjw1_63:

(Start: 1 @43949 has 11 MA's), (Start: 2 @44027 has 26 MA's),

Gene: Contagion_59 Start: 42049, Stop: 42426, Start Num: 1

Candidate Starts for Contagion_59:
(Start: 1 @42049 has 11 MA's), (Start: 2 @42127 has 26 MA's),

Gene: Czyszczone1_64 Start: 42758, Stop: 43135, Start Num: 1
Candidate Starts for Czyszczone1_64:
(Start: 1 @42758 has 11 MA's), (Start: 2 @42836 has 26 MA's),

Gene: DrDrey_63 Start: 43755, Stop: 44054, Start Num: 2
Candidate Starts for DrDrey_63:
(Start: 1 @43677 has 11 MA's), (Start: 2 @43755 has 26 MA's),

Gene: Elph10_63 Start: 42334, Stop: 42633, Start Num: 2
Candidate Starts for Elph10_63:
(Start: 1 @42256 has 11 MA's), (Start: 2 @42334 has 26 MA's),

Gene: FireRed_67 Start: 43823, Stop: 44122, Start Num: 2
Candidate Starts for FireRed_67:
(Start: 1 @43745 has 11 MA's), (Start: 2 @43823 has 26 MA's),

Gene: Highbury_63 Start: 42620, Stop: 42931, Start Num: 1
Candidate Starts for Highbury_63:
(Start: 1 @42620 has 11 MA's), (Start: 2 @42698 has 26 MA's),

Gene: Hopey_63 Start: 42949, Stop: 43248, Start Num: 2
Candidate Starts for Hopey_63:
(Start: 1 @42871 has 11 MA's), (Start: 2 @42949 has 26 MA's),

Gene: HufflyPuff_66 Start: 43779, Stop: 44078, Start Num: 2
Candidate Starts for HufflyPuff_66:
(Start: 1 @43701 has 11 MA's), (Start: 2 @43779 has 26 MA's),

Gene: Icee_64 Start: 42773, Stop: 43072, Start Num: 2
Candidate Starts for Icee_64:
(Start: 1 @42695 has 11 MA's), (Start: 2 @42773 has 26 MA's),

Gene: Lilac_65 Start: 42734, Stop: 43033, Start Num: 2
Candidate Starts for Lilac_65:
(Start: 1 @42656 has 11 MA's), (Start: 2 @42734 has 26 MA's),

Gene: Lilizi_64 Start: 42408, Stop: 42707, Start Num: 2
Candidate Starts for Lilizi_64:
(Start: 1 @42330 has 11 MA's), (Start: 2 @42408 has 26 MA's),

Gene: MISSy_64 Start: 42832, Stop: 43131, Start Num: 2
Candidate Starts for MISSy_64:
(Start: 1 @42754 has 11 MA's), (Start: 2 @42832 has 26 MA's),

Gene: MPhalcon_64 Start: 42825, Stop: 43124, Start Num: 2
Candidate Starts for MPhalcon_64:
(Start: 1 @42747 has 11 MA's), (Start: 2 @42825 has 26 MA's),

Gene: Marshmallow_61 Start: 43522, Stop: 43833, Start Num: 1
Candidate Starts for Marshmallow_61:

(Start: 1 @43522 has 11 MA's), (Start: 2 @43600 has 26 MA's),

Gene: Maxxinista_65 Start: 42626, Stop: 43003, Start Num: 1

Candidate Starts for Maxxinista_65:

(Start: 1 @42626 has 11 MA's), (Start: 2 @42704 has 26 MA's),

Gene: Misfit_64 Start: 43844, Stop: 44143, Start Num: 2

Candidate Starts for Misfit_64:

(Start: 1 @43766 has 11 MA's), (Start: 2 @43844 has 26 MA's),

Gene: Mosby_59 Start: 42049, Stop: 42426, Start Num: 1

Candidate Starts for Mosby_59:

(Start: 1 @42049 has 11 MA's), (Start: 2 @42127 has 26 MA's),

Gene: Murica_66 Start: 43779, Stop: 44078, Start Num: 2

Candidate Starts for Murica_66:

(Start: 1 @43701 has 11 MA's), (Start: 2 @43779 has 26 MA's),

Gene: Murphy_64 Start: 43216, Stop: 43515, Start Num: 2

Candidate Starts for Murphy_64:

(Start: 1 @43138 has 11 MA's), (Start: 2 @43216 has 26 MA's),

Gene: Nala_65 Start: 43337, Stop: 43636, Start Num: 2

Candidate Starts for Nala_65:

(Start: 1 @43259 has 11 MA's), (Start: 2 @43337 has 26 MA's),

Gene: Nimrod_64 Start: 43959, Stop: 44336, Start Num: 1

Candidate Starts for Nimrod_64:

(Start: 1 @43959 has 11 MA's), (Start: 2 @44037 has 26 MA's),

Gene: PhatBacter_67 Start: 43823, Stop: 44122, Start Num: 2

Candidate Starts for PhatBacter_67:

(Start: 1 @43745 has 11 MA's), (Start: 2 @43823 has 26 MA's),

Gene: Phaux_65 Start: 43821, Stop: 44120, Start Num: 2

Candidate Starts for Phaux_65:

(Start: 1 @43743 has 11 MA's), (Start: 2 @43821 has 26 MA's),

Gene: Phrux_60 Start: 42414, Stop: 42713, Start Num: 2

Candidate Starts for Phrux_60:

(Start: 1 @42336 has 11 MA's), (Start: 2 @42414 has 26 MA's),

Gene: Rimmer_64 Start: 43163, Stop: 43462, Start Num: 2

Candidate Starts for Rimmer_64:

(Start: 1 @43085 has 11 MA's), (Start: 2 @43163 has 26 MA's),

Gene: RiverMonster_63 Start: 42992, Stop: 43291, Start Num: 2

Candidate Starts for RiverMonster_63:

(Start: 1 @42914 has 11 MA's), (Start: 2 @42992 has 26 MA's),

Gene: Saints25_63 Start: 42620, Stop: 42931, Start Num: 1

Candidate Starts for Saints25_63:

(Start: 1 @42620 has 11 MA's), (Start: 2 @42698 has 26 MA's),

Gene: Sotrice96_64 Start: 42991, Stop: 43368, Start Num: 1
Candidate Starts for Sotrice96_64:
(Start: 1 @42991 has 11 MA's), (Start: 2 @43069 has 26 MA's),

Gene: Terminus_66 Start: 43844, Stop: 44143, Start Num: 2
Candidate Starts for Terminus_66:
(Start: 1 @43766 has 11 MA's), (Start: 2 @43844 has 26 MA's),

Gene: Tomaszewski_58 Start: 42143, Stop: 42454, Start Num: 1
Candidate Starts for Tomaszewski_58:
(Start: 1 @42143 has 11 MA's), (Start: 2 @42221 has 26 MA's),

Gene: Youngblood_66 Start: 43774, Stop: 44073, Start Num: 2
Candidate Starts for Youngblood_66:
(Start: 1 @43696 has 11 MA's), (Start: 2 @43774 has 26 MA's),

Gene: xkcd_66 Start: 43886, Stop: 44263, Start Num: 1
Candidate Starts for xkcd_66:
(Start: 1 @43886 has 11 MA's), (Start: 2 @43964 has 26 MA's),