Pham 282293

1: DrDrey_63 + 26

2: NonchalantPear_62 + 17

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 282293 Report

This analysis was run 02/23/26 on database version 636.

Pham number 282293 has 45 members, 7 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, Policronamos_66, Lilac_65, Terminus_66, Lilizi_64, Hopey_63, Youngblood_66, Cjw1_63, Misfit_64, MISSy_64, Bruin_60
• Track 2 : NonchalantPear_62, Tomaszewski_58, Amao_63, Highbury_63, Contagion_59, Mosby_59, Saints25_63, Czyszczon1_64, MollyToe_58, Marshmallow_61, StormChicken_65, PaddyBaddy_63, Nimrod_64, Sotrice96_64, Greep_67, xkcd_66, Maxxinista_65, TeamEdward_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 27 of the 38 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, Policronamos_66, Rimmer_64, RiverMonster_63, Terminus_66, Youngblood_66,

Genes that have the "Most Annotated" start but do not call it:
• Amao_63, Contagion_59, Czyszczon1_64, Greep_67, Highbury_63, Marshmallow_61, Maxxinista_65, MollyToe_58, Mosby_59, Nimrod_64, NonchalantPear_62, PaddyBaddy_63, Saints25_63, Sotrice96_64, StormChicken_65, TeamEdward_65, Tomaszewski_58, xkcd_66,

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

Summary by start number:

Start 1:

• Found in 45 of 45 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 38
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Amao_63 (E), Contagion_59 (E), Czyszczon1_64 (E), Greep_67 (E), Highbury_63 (E), Marshmallow_61 (E), Maxxinista_65 (E), MollyToe_58 (E), Mosby_59 (E), Nimrod_64 (E), NonchalantPear_62 (E), PaddyBaddy_63 (E), Saints25_63 (E), Sotrice96_64 (E), StormChicken_65 (E), TeamEdward_65 (E), Tomaszewski_58 (E), xkcd_66 (E),

Start 2:
• Found in 45 of 45 (100.0%) of genes in pham
• Manual Annotations of this start: 27 of 38
• Called 60.0% 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), Policronamos_66 (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 27 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 27 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 27 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 27 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 27 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 27 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 27 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 27 MA's),

Gene: Czyszczon1_64 Start: 42758, Stop: 43135, Start Num: 1
Candidate Starts for Czyszczon1_64:
(Start: 1 @42758 has 11 MA's), (Start: 2 @42836 has 27 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 27 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 27 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 27 MA's),

Gene: Greep_67 Start: 44037, Stop: 44414, Start Num: 1
Candidate Starts for Greep_67:
(Start: 1 @44037 has 11 MA's), (Start: 2 @44115 has 27 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 27 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 27 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 27 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 27 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 27 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 27 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 27 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 27 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 27 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 27 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 27 MA's),

Gene: MollyToe_58 Start: 41595, Stop: 41972, Start Num: 1
Candidate Starts for MollyToe_58:
(Start: 1 @41595 has 11 MA's), (Start: 2 @41673 has 27 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 27 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 27 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 27 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 27 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 27 MA's),

Gene: NonchalantPear_62 Start: 42742, Stop: 43053, Start Num: 1
Candidate Starts for NonchalantPear_62:
(Start: 1 @42742 has 11 MA's), (Start: 2 @42820 has 27 MA's),

Gene: PaddyBaddy_63 Start: 42350, Stop: 42727, Start Num: 1
Candidate Starts for PaddyBaddy_63:
(Start: 1 @42350 has 11 MA's), (Start: 2 @42428 has 27 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 27 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 27 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 27 MA's),

Gene: Policronamos_66 Start: 43821, Stop: 44120, Start Num: 2
Candidate Starts for Policronamos_66:
(Start: 1 @43743 has 11 MA's), (Start: 2 @43821 has 27 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 27 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 27 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 27 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 27 MA's),

Gene: StormChicken_65 Start: 43693, Stop: 44070, Start Num: 1
Candidate Starts for StormChicken_65:
(Start: 1 @43693 has 11 MA's), (Start: 2 @43771 has 27 MA's),

Gene: TeamEdward_65 Start: 43690, Stop: 44067, Start Num: 1
Candidate Starts for TeamEdward_65:
(Start: 1 @43690 has 11 MA's), (Start: 2 @43768 has 27 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 27 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 27 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 27 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 27 MA's),