



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 1950 Report

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

Pham number 1950 has 45 members, 0 are drafts.

Phages represented in each track:

- Track 1 : EpicPhail_93, JenCasNa_93, Sabinator_90, AgronaGT15_84, GingkoMaracino_91, AugsMagnumOpus_89, Taurus_93, MarQuardt_92, Spike509_93, Anubis_97, Rummer_91, Wooldri_94, Aglet_93, Methuselah_85, HashRod_93, Phoebe_93, Beauxregard13_91, MoneyMay_92, Bxz2_87, P28Green_92, Penny1_92, Grum1_92, MuchMore_89, Phoxy_87, Hercules11_92, PotatoSplit_93, Daishi_91, LBerry_94, LugYA_95, Vix_87, LarryKay_92, JHC117_87, Tiffany_91, Cullens_93, Colbster_88, SoYo_89, Marie_90, Farber_86, Soshari_94, Grif_90, Fernando_93
- Track 2 : Misomonster_88, BuzzBuzz_85, Louie6_91, KADY_89

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 45 of the 45 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aglet_93, AgronaGT15_84, Anubis_97, AugsMagnumOpus_89, Beauxregard13_91, BuzzBuzz_85, Bxz2_87, Colbster_88, Cullens_93, Daishi_91, EpicPhail_93, Farber_86, Fernando_93, GingkoMaracino_91, Grif_90, Grum1_92, HashRod_93, Hercules11_92, JHC117_87, JenCasNa_93, KADY_89, LBerry_94, LarryKay_92, Louie6_91, LugYA_95, MarQuardt_92, Marie_90, Methuselah_85, Misomonster_88, MoneyMay_92, MuchMore_89, P28Green_92, Penny1_92, Phoebe_93, Phoxy_87, PotatoSplit_93, Rummer_91, Sabinator_90, SoYo_89, Soshari_94, Spike509_93, Taurus_93, Tiffany_91, Vix_87, Wooldri_94,

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 2:

- Found in 45 of 45 (100.0%) of genes in pham
- Manual Annotations of this start: 45 of 45
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aglet_93 (A3), AgronaGT15_84 (A3), Anubis_97 (A3), AugsMagnumOpus_89 (A3), Beauxregard13_91 (A3), BuzzBuzz_85 (A3), Bxz2_87 (A3), Colbster_88 (A3), Cullens_93 (A3), Daishi_91 (A3), EpicPhail_93 (A3), Farber_86 (A3), Fernando_93 (A3), GingkoMaracino_91 (A3), Grif_90 (A3), Grum1_92 (A3), HashRod_93 (A3), Hercules11_92 (A3), JHC117_87 (A3), JenCasNa_93 (A3), KADY_89 (A3), LBerry_94 (A3), LarryKay_92 (A3), Louie6_91 (A3), LugYA_95 (A3), MarQuardt_92 (A3), Marie_90 (A3), Methuselah_85 (A3), Misomonster_88 (A3), MoneyMay_92 (A3), MuchMore_89 (A3), P28Green_92 (A3), Penny1_92 (A3), Phoebe_93 (A3), Phoxy_87 (A3), PotatoSplit_93 (A3), Rummer_91 (A3), Sabinator_90 (A3), SoYo_89 (A3), Soshari_94 (A3), Spike509_93 (A3), Taurus_93 (A3), Tiffany_91 (A3), Vix_87 (A3), Wooldri_94 (A3),

Summary by clusters:

There is one cluster represented in this pham: A3

Info for manual annotations of cluster A3:

- Start number 2 was manually annotated 45 times for cluster A3.

Gene Information:

Gene: Aglet_93 Start: 49500, Stop: 49378, Start Num: 2

Candidate Starts for Aglet_93:

(Start: 2 @49500 has 45 MA's), (3, 49395),

Gene: AgronaGT15_84 Start: 47477, Stop: 47355, Start Num: 2

Candidate Starts for AgronaGT15_84:

(Start: 2 @47477 has 45 MA's), (3, 47372),

Gene: Anubis_97 Start: 49477, Stop: 49355, Start Num: 2

Candidate Starts for Anubis_97:

(Start: 2 @49477 has 45 MA's), (3, 49372),

Gene: AugsMagnumOpus_89 Start: 47172, Stop: 47050, Start Num: 2

Candidate Starts for AugsMagnumOpus_89:

(Start: 2 @47172 has 45 MA's), (3, 47067),

Gene: Beauxregard13_91 Start: 49508, Stop: 49386, Start Num: 2

Candidate Starts for Beauxregard13_91:

(Start: 2 @49508 has 45 MA's), (3, 49403),

Gene: BuzzBuzz_85 Start: 49533, Stop: 49411, Start Num: 2

Candidate Starts for BuzzBuzz_85:

(1, 49572), (Start: 2 @49533 has 45 MA's), (3, 49428),

Gene: Bxz2_87 Start: 49540, Stop: 49418, Start Num: 2

Candidate Starts for Bxz2_87:

(Start: 2 @49540 has 45 MA's), (3, 49435),

Gene: Colbster_88 Start: 49508, Stop: 49386, Start Num: 2
Candidate Starts for Colbster_88:
(Start: 2 @49508 has 45 MA's), (3, 49403),

Gene: Cullens_93 Start: 49502, Stop: 49380, Start Num: 2
Candidate Starts for Cullens_93:
(Start: 2 @49502 has 45 MA's), (3, 49397),

Gene: Daishi_91 Start: 48374, Stop: 48252, Start Num: 2
Candidate Starts for Daishi_91:
(Start: 2 @48374 has 45 MA's), (3, 48269),

Gene: EpicPhail_93 Start: 49508, Stop: 49386, Start Num: 2
Candidate Starts for EpicPhail_93:
(Start: 2 @49508 has 45 MA's), (3, 49403),

Gene: Farber_86 Start: 47827, Stop: 47705, Start Num: 2
Candidate Starts for Farber_86:
(Start: 2 @47827 has 45 MA's), (3, 47722),

Gene: Fernando_93 Start: 49502, Stop: 49380, Start Num: 2
Candidate Starts for Fernando_93:
(Start: 2 @49502 has 45 MA's), (3, 49397),

Gene: GingkoMaracino_91 Start: 48639, Stop: 48517, Start Num: 2
Candidate Starts for GingkoMaracino_91:
(Start: 2 @48639 has 45 MA's), (3, 48534),

Gene: Grif_90 Start: 49581, Stop: 49459, Start Num: 2
Candidate Starts for Grif_90:
(Start: 2 @49581 has 45 MA's), (3, 49476),

Gene: Grum1_92 Start: 49507, Stop: 49385, Start Num: 2
Candidate Starts for Grum1_92:
(Start: 2 @49507 has 45 MA's), (3, 49402),

Gene: HashRod_93 Start: 49529, Stop: 49407, Start Num: 2
Candidate Starts for HashRod_93:
(Start: 2 @49529 has 45 MA's), (3, 49424),

Gene: Hercules11_92 Start: 49516, Stop: 49394, Start Num: 2
Candidate Starts for Hercules11_92:
(Start: 2 @49516 has 45 MA's), (3, 49411),

Gene: JHC117_87 Start: 49502, Stop: 49380, Start Num: 2
Candidate Starts for JHC117_87:
(Start: 2 @49502 has 45 MA's), (3, 49397),

Gene: JenCasNa_93 Start: 49502, Stop: 49380, Start Num: 2
Candidate Starts for JenCasNa_93:
(Start: 2 @49502 has 45 MA's), (3, 49397),

Gene: KADY_89 Start: 49534, Stop: 49412, Start Num: 2
Candidate Starts for KADY_89:
(1, 49573), (Start: 2 @49534 has 45 MA's), (3, 49429),

Gene: LBerry_94 Start: 49589, Stop: 49467, Start Num: 2
Candidate Starts for LBerry_94:
(Start: 2 @49589 has 45 MA's), (3, 49484),

Gene: LarryKay_92 Start: 49538, Stop: 49416, Start Num: 2
Candidate Starts for LarryKay_92:
(Start: 2 @49538 has 45 MA's), (3, 49433),

Gene: Louie6_91 Start: 49535, Stop: 49413, Start Num: 2
Candidate Starts for Louie6_91:
(1, 49574), (Start: 2 @49535 has 45 MA's), (3, 49430),

Gene: LugYA_95 Start: 49503, Stop: 49381, Start Num: 2
Candidate Starts for LugYA_95:
(Start: 2 @49503 has 45 MA's), (3, 49398),

Gene: MarQuardt_92 Start: 49506, Stop: 49384, Start Num: 2
Candidate Starts for MarQuardt_92:
(Start: 2 @49506 has 45 MA's), (3, 49401),

Gene: Marie_90 Start: 49502, Stop: 49380, Start Num: 2
Candidate Starts for Marie_90:
(Start: 2 @49502 has 45 MA's), (3, 49397),

Gene: Methuselah_85 Start: 49528, Stop: 49406, Start Num: 2
Candidate Starts for Methuselah_85:
(Start: 2 @49528 has 45 MA's), (3, 49423),

Gene: Misomonster_88 Start: 47140, Stop: 47018, Start Num: 2
Candidate Starts for Misomonster_88:
(1, 47179), (Start: 2 @47140 has 45 MA's), (3, 47035),

Gene: MoneyMay_92 Start: 49502, Stop: 49380, Start Num: 2
Candidate Starts for MoneyMay_92:
(Start: 2 @49502 has 45 MA's), (3, 49397),

Gene: MuchMore_89 Start: 47172, Stop: 47050, Start Num: 2
Candidate Starts for MuchMore_89:
(Start: 2 @47172 has 45 MA's), (3, 47067),

Gene: P28Green_92 Start: 49510, Stop: 49388, Start Num: 2
Candidate Starts for P28Green_92:
(Start: 2 @49510 has 45 MA's), (3, 49405),

Gene: Penny1_92 Start: 49508, Stop: 49386, Start Num: 2
Candidate Starts for Penny1_92:
(Start: 2 @49508 has 45 MA's), (3, 49403),

Gene: Phoebe_93 Start: 49500, Stop: 49378, Start Num: 2

Candidate Starts for Phoebe_93:
(Start: 2 @49500 has 45 MA's), (3, 49395),

Gene: Phoxy_87 Start: 47888, Stop: 47766, Start Num: 2
Candidate Starts for Phoxy_87:
(Start: 2 @47888 has 45 MA's), (3, 47783),

Gene: PotatoSplit_93 Start: 49508, Stop: 49386, Start Num: 2
Candidate Starts for PotatoSplit_93:
(Start: 2 @49508 has 45 MA's), (3, 49403),

Gene: Rummer_91 Start: 49532, Stop: 49410, Start Num: 2
Candidate Starts for Rummer_91:
(Start: 2 @49532 has 45 MA's), (3, 49427),

Gene: Sabinator_90 Start: 49506, Stop: 49384, Start Num: 2
Candidate Starts for Sabinator_90:
(Start: 2 @49506 has 45 MA's), (3, 49401),

Gene: SoYo_89 Start: 49420, Stop: 49298, Start Num: 2
Candidate Starts for SoYo_89:
(Start: 2 @49420 has 45 MA's), (3, 49315),

Gene: Soshari_94 Start: 49528, Stop: 49406, Start Num: 2
Candidate Starts for Soshari_94:
(Start: 2 @49528 has 45 MA's), (3, 49423),

Gene: Spike509_93 Start: 49610, Stop: 49488, Start Num: 2
Candidate Starts for Spike509_93:
(Start: 2 @49610 has 45 MA's), (3, 49505),

Gene: Taurus_93 Start: 49502, Stop: 49380, Start Num: 2
Candidate Starts for Taurus_93:
(Start: 2 @49502 has 45 MA's), (3, 49397),

Gene: Tiffany_91 Start: 49392, Stop: 49270, Start Num: 2
Candidate Starts for Tiffany_91:
(Start: 2 @49392 has 45 MA's), (3, 49287),

Gene: Vix_87 Start: 49587, Stop: 49465, Start Num: 2
Candidate Starts for Vix_87:
(Start: 2 @49587 has 45 MA's), (3, 49482),

Gene: Wooldri_94 Start: 49413, Stop: 49291, Start Num: 2
Candidate Starts for Wooldri_94:
(Start: 2 @49413 has 45 MA's), (3, 49308),