

Pham 86560



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 86560 Report

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

Pham number 86560 has 28 members, 8 are drafts.

Phages represented in each track:

- Track 1 : BabyDotz_81
- Track 2 : SallyK_85, Tissue_83
- Track 3 : Wayne3_84, Casend_83, Lonelysoil_80, Phabia_82, Sillytadpoles_85, DonaldDuck_84, Teehee_83, Zhafia_88, Llemily_84, Jehoshaphat_84, Wheelie_82, Rudy_80
- Track 4 : Phinky_90
- Track 5 : Rowlf_82, Zagie_84, Namago_85, Viceroy_81
- Track 6 : Quammi_81, Judebell_86
- Track 7 : Squash_86
- Track 8 : Altheas_87
- Track 9 : Nike_82
- Track 10 : Mashley_83
- Track 11 : Hyperion_82
- Track 12 : Fizzles_82

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 3, it was called in 12 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Altheas_87, BabyDotz_81, Fizzles_82, Hyperion_82, Judebell_86, Mashley_83, Namago_85, Nike_82, Phinky_90, Quammi_81, Rowlf_82, SallyK_85, Squash_86, Tissue_83, Viceroy_81, Zagie_84,

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

- Casend_83, DonaldDuck_84, Jehoshaphat_84, Llemily_84, Lonelysoil_80, Phabia_82, Rudy_80, Sillytadpoles_85, Teehee_83, Wayne3_84, Wheelie_82, Zhafia_88,

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

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Summary by start number:

Start 2:

- Found in 14 of 28 (50.0%) of genes in pham
- Manual Annotations of this start: 8 of 20
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Casend_83 (EG), DonaldDuck_84 (EG), Jehoshaphat_84 (EG), Llemily_84 (EG), Lonelysoil_80 (EG), Phabia_82 (EG), Rudy_80 (EG), Sillytadpoles_85 (EG), Teehee_83 (EG), Wayne3_84 (EG), Wheelie_82 (EG), Zhafia_88 (EG),

Start 3:

- Found in 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 20
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Altheas_87 (EG), BabyDotz_81 (EG), Fizzles_82 (EG), Hyperion_82 (EG), Judebell_86 (EG), Mashley_83 (EG), Namago_85 (EG), Nike_82 (EG), Phinky_90 (EG), Quammi_81 (EG), Rowlf_82 (EG), SallyK_85 (EG), Squash_86 (EG), Tissue_83 (EG), Viceroy_81 (EG), Zagie_84 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

- Start number 2 was manually annotated 8 times for cluster EG.
- Start number 3 was manually annotated 12 times for cluster EG.

Gene Information:

Gene: Altheas_87 Start: 54435, Stop: 53929, Start Num: 3

Candidate Starts for Altheas_87:

(Start: 3 @54435 has 12 MA's), (7, 54333), (13, 54093), (15, 54018), (17, 53955), (18, 53940),

Gene: BabyDotz_81 Start: 54397, Stop: 53897, Start Num: 3

Candidate Starts for BabyDotz_81:

(1, 54526), (Start: 3 @54397 has 12 MA's), (13, 54061), (15, 53986), (17, 53923),

Gene: Casend_83 Start: 53682, Stop: 53176, Start Num: 2

Candidate Starts for Casend_83:

(1, 53808), (Start: 2 @53682 has 8 MA's), (Start: 3 @53676 has 12 MA's), (13, 53340), (15, 53265), (17, 53202), (18, 53187),

Gene: DonaldDuck_84 Start: 53034, Stop: 52528, Start Num: 2

Candidate Starts for DonaldDuck_84:

(1, 53160), (Start: 2 @53034 has 8 MA's), (Start: 3 @53028 has 12 MA's), (13, 52692), (15, 52617), (17, 52554), (18, 52539),

Gene: Fizzles_82 Start: 53420, Stop: 52914, Start Num: 3

Candidate Starts for Fizzles_82:

(Start: 3 @53420 has 12 MA's), (6, 53348), (11, 53228), (12, 53192), (14, 53009), (16, 52955), (17, 52940), (18, 52925),

Gene: Hyperion_82 Start: 53584, Stop: 53078, Start Num: 3

Candidate Starts for Hyperion_82:

(Start: 3 @53584 has 12 MA's), (7, 53482), (13, 53242), (15, 53167), (17, 53104),

Gene: Jehoshaphat_84 Start: 53950, Stop: 53444, Start Num: 2

Candidate Starts for Jehoshaphat_84:

(1, 54076), (Start: 2 @53950 has 8 MA's), (Start: 3 @53944 has 12 MA's), (13, 53608), (15, 53533), (17, 53470), (18, 53455),

Gene: Judebell_86 Start: 53171, Stop: 52671, Start Num: 3

Candidate Starts for Judebell_86:

(1, 53303), (Start: 2 @53177 has 8 MA's), (Start: 3 @53171 has 12 MA's), (13, 52835), (15, 52760), (17, 52697), (18, 52682),

Gene: Llemily_84 Start: 52729, Stop: 52223, Start Num: 2

Candidate Starts for Llemily_84:

(1, 52855), (Start: 2 @52729 has 8 MA's), (Start: 3 @52723 has 12 MA's), (13, 52387), (15, 52312), (17, 52249), (18, 52234),

Gene: Lonelysoil_80 Start: 52486, Stop: 51980, Start Num: 2

Candidate Starts for Lonelysoil_80:

(1, 52612), (Start: 2 @52486 has 8 MA's), (Start: 3 @52480 has 12 MA's), (13, 52144), (15, 52069), (17, 52006), (18, 51991),

Gene: Mashley_83 Start: 53756, Stop: 53250, Start Num: 3

Candidate Starts for Mashley_83:

(Start: 3 @53756 has 12 MA's), (4, 53723), (5, 53696), (8, 53636), (9, 53627), (13, 53414), (15, 53339), (17, 53276), (18, 53261),

Gene: Namago_85 Start: 53451, Stop: 52951, Start Num: 3

Candidate Starts for Namago_85:

(1, 53580), (Start: 3 @53451 has 12 MA's), (13, 53115), (15, 53040), (17, 52977), (18, 52962),

Gene: Nike_82 Start: 53978, Stop: 53472, Start Num: 3

Candidate Starts for Nike_82:

(Start: 3 @53978 has 12 MA's), (7, 53876), (10, 53801), (13, 53636), (15, 53561), (17, 53498),

Gene: Phabia_82 Start: 53141, Stop: 52635, Start Num: 2

Candidate Starts for Phabia_82:

(1, 53267), (Start: 2 @53141 has 8 MA's), (Start: 3 @53135 has 12 MA's), (13, 52799), (15, 52724), (17, 52661), (18, 52646),

Gene: Phinky_90 Start: 55837, Stop: 55331, Start Num: 3

Candidate Starts for Phinky_90:

(Start: 3 @55837 has 12 MA's), (7, 55735), (13, 55495), (15, 55420), (17, 55357),

Gene: Quammi_81 Start: 52835, Stop: 52335, Start Num: 3

Candidate Starts for Quammi_81:

(1, 52967), (Start: 2 @52841 has 8 MA's), (Start: 3 @52835 has 12 MA's), (13, 52499), (15, 52424), (17, 52361), (18, 52346),

Gene: Rowlf_82 Start: 52930, Stop: 52430, Start Num: 3

Candidate Starts for Rowlf_82:

(1, 53059), (Start: 3 @52930 has 12 MA's), (13, 52594), (15, 52519), (17, 52456), (18, 52441),

Gene: Rudy_80 Start: 52877, Stop: 52371, Start Num: 2

Candidate Starts for Rudy_80:

(1, 53003), (Start: 2 @52877 has 8 MA's), (Start: 3 @52871 has 12 MA's), (13, 52535), (15, 52460), (17, 52397), (18, 52382),

Gene: SallyK_85 Start: 54580, Stop: 54074, Start Num: 3

Candidate Starts for SallyK_85:

(1, 54709), (Start: 3 @54580 has 12 MA's), (7, 54478), (13, 54238), (15, 54163), (17, 54100), (18, 54085),

Gene: Sillytadpoles_85 Start: 52717, Stop: 52211, Start Num: 2

Candidate Starts for Sillytadpoles_85:

(1, 52843), (Start: 2 @52717 has 8 MA's), (Start: 3 @52711 has 12 MA's), (13, 52375), (15, 52300), (17, 52237), (18, 52222),

Gene: Squash_86 Start: 54090, Stop: 53584, Start Num: 3

Candidate Starts for Squash_86:

(Start: 3 @54090 has 12 MA's), (7, 53988), (13, 53748), (15, 53673), (17, 53610),

Gene: Teehee_83 Start: 53947, Stop: 53441, Start Num: 2

Candidate Starts for Teehee_83:

(1, 54073), (Start: 2 @53947 has 8 MA's), (Start: 3 @53941 has 12 MA's), (13, 53605), (15, 53530), (17, 53467), (18, 53452),

Gene: Tissue_83 Start: 53714, Stop: 53208, Start Num: 3

Candidate Starts for Tissue_83:

(1, 53843), (Start: 3 @53714 has 12 MA's), (7, 53612), (13, 53372), (15, 53297), (17, 53234), (18, 53219),

Gene: Viceroy_81 Start: 52844, Stop: 52344, Start Num: 3

Candidate Starts for Viceroy_81:

(1, 52973), (Start: 3 @52844 has 12 MA's), (13, 52508), (15, 52433), (17, 52370), (18, 52355),

Gene: Wayne3_84 Start: 53710, Stop: 53204, Start Num: 2

Candidate Starts for Wayne3_84:

(1, 53836), (Start: 2 @53710 has 8 MA's), (Start: 3 @53704 has 12 MA's), (13, 53368), (15, 53293), (17, 53230), (18, 53215),

Gene: Wheelie_82 Start: 53031, Stop: 52525, Start Num: 2

Candidate Starts for Wheelie_82:

(1, 53157), (Start: 2 @53031 has 8 MA's), (Start: 3 @53025 has 12 MA's), (13, 52689), (15, 52614), (17, 52551), (18, 52536),

Gene: Zagie_84 Start: 53531, Stop: 53031, Start Num: 3

Candidate Starts for Zagie_84:

(1, 53660), (Start: 3 @53531 has 12 MA's), (13, 53195), (15, 53120), (17, 53057), (18, 53042),

Gene: Zhafia_88 Start: 53511, Stop: 53005, Start Num: 2

Candidate Starts for Zhafia_88:

(1, 53637), (Start: 2 @53511 has 8 MA's), (Start: 3 @53505 has 12 MA's), (13, 53169), (15, 53094),
(17, 53031), (18, 53016),