



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 4680 Report

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

Pham number 4680 has 22 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Judebell_52, Nike_50, Jehoshaphat_51, Phabia_49, SallyK_50, Llemily_49, Casend_50, Namago_49, Tissue_49, Wayne3_51, Quammi_47, DonaldDuck_49, Lonelysoil_48, Wheelie_49, Kyva_51, Rudy_47, Viceroy_48, Teehee_50, Zhafia_52, Sillytadpoles_50
- Track 2 : Phinky_56
- Track 3 : Zagie_49

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Casend_50, DonaldDuck_49, Jehoshaphat_51, Judebell_52, Kyva_51, Llemily_49, Lonelysoil_48, Namago_49, Nike_50, Phabia_49, Phinky_56, Quammi_47, Rudy_47, SallyK_50, Sillytadpoles_50, Teehee_50, Tissue_49, Viceroy_48, Wayne3_51, Wheelie_49, Zagie_49, Zhafia_52,

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 3:

- Found in 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Casend_50 (EG), DonaldDuck_49 (EG), Jehoshaphat_51 (EG), Judebell_52 (EG), Kyva_51 (EG), Llemily_49 (EG), Lonelysoil_48 (EG), Namago_49 (EG), Nike_50 (EG), Phabia_49 (EG), Phinky_56 (EG), Quammi_47 (EG), Rudy_47 (EG), SallyK_50 (EG), Sillytadpoles_50 (EG),

Teehee_50 (EG), Tissue_49 (EG), Viceroy_48 (EG), Wayne3_51 (EG), Wheelie_49 (EG), Zagie_49 (EG), Zhafia_52 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:

•Start number 3 was manually annotated 15 times for cluster EG.

Gene Information:

Gene: Casend_50 Start: 37543, Stop: 37202, Start Num: 3

Candidate Starts for Casend_50:

(Start: 3 @37543 has 15 MA's), (4, 37522), (5, 37516), (6, 37459), (9, 37393), (11, 37348), (12, 37288), (13, 37255), (14, 37210),

Gene: DonaldDuck_49 Start: 36892, Stop: 36551, Start Num: 3

Candidate Starts for DonaldDuck_49:

(Start: 3 @36892 has 15 MA's), (4, 36871), (5, 36865), (6, 36808), (9, 36742), (11, 36697), (12, 36637), (13, 36604), (14, 36559),

Gene: Jehoshaphat_51 Start: 37811, Stop: 37470, Start Num: 3

Candidate Starts for Jehoshaphat_51:

(Start: 3 @37811 has 15 MA's), (4, 37790), (5, 37784), (6, 37727), (9, 37661), (11, 37616), (12, 37556), (13, 37523), (14, 37478),

Gene: Judebell_52 Start: 37308, Stop: 36967, Start Num: 3

Candidate Starts for Judebell_52:

(Start: 3 @37308 has 15 MA's), (4, 37287), (5, 37281), (6, 37224), (9, 37158), (11, 37113), (12, 37053), (13, 37020), (14, 36975),

Gene: Kyva_51 Start: 37510, Stop: 37169, Start Num: 3

Candidate Starts for Kyva_51:

(Start: 3 @37510 has 15 MA's), (4, 37489), (5, 37483), (6, 37426), (9, 37360), (11, 37315), (12, 37255), (13, 37222), (14, 37177),

Gene: Llemily_49 Start: 36587, Stop: 36246, Start Num: 3

Candidate Starts for Llemily_49:

(Start: 3 @36587 has 15 MA's), (4, 36566), (5, 36560), (6, 36503), (9, 36437), (11, 36392), (12, 36332), (13, 36299), (14, 36254),

Gene: Lonelysoil_48 Start: 36829, Stop: 36488, Start Num: 3

Candidate Starts for Lonelysoil_48:

(Start: 3 @36829 has 15 MA's), (4, 36808), (5, 36802), (6, 36745), (9, 36679), (11, 36634), (12, 36574), (13, 36541), (14, 36496),

Gene: Namago_49 Start: 36640, Stop: 36299, Start Num: 3

Candidate Starts for Namago_49:

(Start: 3 @36640 has 15 MA's), (4, 36619), (5, 36613), (6, 36556), (9, 36490), (11, 36445), (12, 36385), (13, 36352), (14, 36307),

Gene: Nike_50 Start: 37595, Stop: 37254, Start Num: 3

Candidate Starts for Nike_50:

(Start: 3 @37595 has 15 MA's), (4, 37574), (5, 37568), (6, 37511), (9, 37445), (11, 37400), (12, 37340), (13, 37307), (14, 37262),

Gene: Phabia_49 Start: 37002, Stop: 36661, Start Num: 3

Candidate Starts for Phabia_49:

(Start: 3 @37002 has 15 MA's), (4, 36981), (5, 36975), (6, 36918), (9, 36852), (11, 36807), (12, 36747), (13, 36714), (14, 36669),

Gene: Phinky_56 Start: 38831, Stop: 38493, Start Num: 3

Candidate Starts for Phinky_56:

(1, 38906), (2, 38846), (Start: 3 @38831 has 15 MA's), (4, 38813), (7, 38726), (8, 38699), (10, 38672), (11, 38639),

Gene: Quammi_47 Start: 36702, Stop: 36361, Start Num: 3

Candidate Starts for Quammi_47:

(Start: 3 @36702 has 15 MA's), (4, 36681), (5, 36675), (6, 36618), (9, 36552), (11, 36507), (12, 36447), (13, 36414), (14, 36369),

Gene: Rudy_47 Start: 36735, Stop: 36394, Start Num: 3

Candidate Starts for Rudy_47:

(Start: 3 @36735 has 15 MA's), (4, 36714), (5, 36708), (6, 36651), (9, 36585), (11, 36540), (12, 36480), (13, 36447), (14, 36402),

Gene: SallyK_50 Start: 37654, Stop: 37313, Start Num: 3

Candidate Starts for SallyK_50:

(Start: 3 @37654 has 15 MA's), (4, 37633), (5, 37627), (6, 37570), (9, 37504), (11, 37459), (12, 37399), (13, 37366), (14, 37321),

Gene: Sillytadpoles_50 Start: 36575, Stop: 36234, Start Num: 3

Candidate Starts for Sillytadpoles_50:

(Start: 3 @36575 has 15 MA's), (4, 36554), (5, 36548), (6, 36491), (9, 36425), (11, 36380), (12, 36320), (13, 36287), (14, 36242),

Gene: Teehee_50 Start: 37808, Stop: 37467, Start Num: 3

Candidate Starts for Teehee_50:

(Start: 3 @37808 has 15 MA's), (4, 37787), (5, 37781), (6, 37724), (9, 37658), (11, 37613), (12, 37553), (13, 37520), (14, 37475),

Gene: Tissue_49 Start: 37283, Stop: 36942, Start Num: 3

Candidate Starts for Tissue_49:

(Start: 3 @37283 has 15 MA's), (4, 37262), (5, 37256), (6, 37199), (9, 37133), (11, 37088), (12, 37028), (13, 36995), (14, 36950),

Gene: Viceroy_48 Start: 36705, Stop: 36364, Start Num: 3

Candidate Starts for Viceroy_48:

(Start: 3 @36705 has 15 MA's), (4, 36684), (5, 36678), (6, 36621), (9, 36555), (11, 36510), (12, 36450), (13, 36417), (14, 36372),

Gene: Wayne3_51 Start: 37571, Stop: 37230, Start Num: 3

Candidate Starts for Wayne3_51:

(Start: 3 @37571 has 15 MA's), (4, 37550), (5, 37544), (6, 37487), (9, 37421), (11, 37376), (12, 37316), (13, 37283), (14, 37238),

Gene: Wheelie_49 Start: 36892, Stop: 36551, Start Num: 3

Candidate Starts for Wheelie_49:

(Start: 3 @36892 has 15 MA's), (4, 36871), (5, 36865), (6, 36808), (9, 36742), (11, 36697), (12, 36637), (13, 36604), (14, 36559),

Gene: Zagie_49 Start: 37140, Stop: 36799, Start Num: 3

Candidate Starts for Zagie_49:

(Start: 3 @37140 has 15 MA's), (5, 37113), (6, 37056), (9, 36990), (11, 36945), (12, 36885), (13, 36852), (14, 36807),

Gene: Zhafia_52 Start: 37372, Stop: 37031, Start Num: 3

Candidate Starts for Zhafia_52:

(Start: 3 @37372 has 15 MA's), (4, 37351), (5, 37345), (6, 37288), (9, 37222), (11, 37177), (12, 37117), (13, 37084), (14, 37039),