Pham 337074


1: Jayden_90
2: Casend_68 + 12
3: Judebell_67 + 4
4: Mila11_69 + 2
5: MorillMayhem_68
6: Nike_67
7: Squash_69

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 337074 Report

This analysis was run 11/14/26 on database version 672.

Pham number 337074 has 25 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Jayden_90
• Track 2 : Casend_68, Teehee_68, Llemily_67, Sillytadpoles_68, Jehoshaphat_69, Phabia_67, DonaldDuck_67, Quammi_65, Viceroy_66, Rudy_65, Wayne3_69, Wheelie_67, EverythinBagel_66
• Track 3 : Judebell_67, ZestyBestie_65, Zhafia_70, FrankDeliGuy_64, LilCahh_66
• Track 4 : Mila11_69, BaconCheese_70, Lonelysoil_64
• Track 5 : MorillMayhem_68
• Track 6 : Nike_67
• Track 7 : Squash_69

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

The start number called the most often in the published annotations is 7, it was called in 19 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BaconCheese_70, Casend_68, DonaldDuck_67, EverythinBagel_66, Jehoshaphat_69, Llemily_67, Lonelysoil_64, Mila11_69, MorillMayhem_68, Nike_67, Phabia_67, Quammi_65, Rudy_65, Sillytadpoles_68, Squash_69, Teehee_68, Viceroy_66, Wayne3_69, Wheelie_67,

Genes that have the "Most Annotated" start but do not call it:
• FrankDeliGuy_64, Judebell_67, LilCahh_66, ZestyBestie_65, Zhafia_70,

Genes that do not have the "Most Annotated" start:
• Jayden_90,

Summary by start number:

Start 5:
• Found in 1 of 25 (4.0%) of genes in pham
• Manual Annotations of this start: 1 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jayden_90 (EC),

Start 6:
• Found in 18 of 25 (72.0%) of genes in pham
• Manual Annotations of this start: 3 of 23
• Called 27.8% of time when present
• Phage (with cluster) where this start called: FrankDeliGuy_64 (EG), Judebell_67 (EG), LilCahh_66 (EG), ZestyBestie_65 (EG), Zhafia_70 (EG),

Start 7:
• Found in 24 of 25 (96.0%) of genes in pham
• Manual Annotations of this start: 19 of 23
• Called 79.2% of time when present
• Phage (with cluster) where this start called: BaconCheese_70 (EG), Casend_68 (EG), DonaldDuck_67 (EG), EverythinBagel_66 (EG), Jehoshaphat_69 (EG), Llemily_67 (EG), Lonelysoil_64 (EG), Mila11_69 (EG), MorillMayhem_68 (EG), Nike_67 (EG), Phabia_67 (EG), Quammi_65 (EG), Rudy_65 (EG), Sillytadpoles_68 (EG), Squash_69 (EG), Teehee_68 (EG), Viceroy_66 (EG), Wayne3_69 (EG), Wheelie_67 (EG),

Summary by clusters:

There are 2 clusters represented in this pham: EG, EC,

Info for manual annotations of cluster EC:
•Start number 5 was manually annotated 1 time for cluster EC.

Info for manual annotations of cluster EG:
•Start number 6 was manually annotated 3 times for cluster EG.
•Start number 7 was manually annotated 19 times for cluster EG.

Gene Information:

Gene: BaconCheese_70 Start: 46882, Stop: 46556, Start Num: 7
Candidate Starts for BaconCheese_70:
(Start: 7 @46882 has 19 MA's), (12, 46801), (13, 46780), (14, 46735), (17, 46657), (18, 46654), (20, 46585), (21, 46567),

Gene: Casend_68 Start: 45792, Stop: 45466, Start Num: 7
Candidate Starts for Casend_68:
(Start: 6 @45807 has 3 MA's), (Start: 7 @45792 has 19 MA's), (12, 45711), (13, 45690), (14, 45645), (17, 45567), (18, 45564),

Gene: DonaldDuck_67 Start: 45141, Stop: 44815, Start Num: 7
Candidate Starts for DonaldDuck_67:
(Start: 6 @45156 has 3 MA's), (Start: 7 @45141 has 19 MA's), (12, 45060), (13, 45039), (14, 44994), (17, 44916), (18, 44913),

Gene: EverythinBagel_66 Start: 45622, Stop: 45296, Start Num: 7
Candidate Starts for EverythinBagel_66:
(Start: 6 @45637 has 3 MA's), (Start: 7 @45622 has 19 MA's), (12, 45541), (13, 45520), (14, 45475), (17, 45397), (18, 45394),

Gene: FrankDeliGuy_64 Start: 45251, Stop: 44910, Start Num: 6
Candidate Starts for FrankDeliGuy_64:
(Start: 6 @45251 has 3 MA's), (Start: 7 @45236 has 19 MA's), (12, 45155), (13, 45134), (14, 45089), (17, 45011), (18, 45008),

Gene: Jayden_90 Start: 52282, Stop: 52608, Start Num: 5
Candidate Starts for Jayden_90:
(3, 52273), (4, 52279), (Start: 5 @52282 has 1 MA's), (9, 52366), (11, 52387), (12, 52399), (13, 52420), (15, 52507), (16, 52522),

Gene: Jehoshaphat_69 Start: 46060, Stop: 45734, Start Num: 7
Candidate Starts for Jehoshaphat_69:
(Start: 6 @46075 has 3 MA's), (Start: 7 @46060 has 19 MA's), (12, 45979), (13, 45958), (14, 45913), (17, 45835), (18, 45832),

Gene: Judebell_67 Start: 45256, Stop: 44915, Start Num: 6
Candidate Starts for Judebell_67:
(Start: 6 @45256 has 3 MA's), (Start: 7 @45241 has 19 MA's), (12, 45160), (13, 45139), (14, 45094), (17, 45016), (18, 45013),

Gene: LilCahh_66 Start: 45268, Stop: 44927, Start Num: 6
Candidate Starts for LilCahh_66:
(Start: 6 @45268 has 3 MA's), (Start: 7 @45253 has 19 MA's), (12, 45172), (13, 45151), (14, 45106), (17, 45028), (18, 45025),

Gene: Llemily_67 Start: 44836, Stop: 44510, Start Num: 7
Candidate Starts for Llemily_67:
(Start: 6 @44851 has 3 MA's), (Start: 7 @44836 has 19 MA's), (12, 44755), (13, 44734), (14, 44689), (17, 44611), (18, 44608),

Gene: Lonelysoil_64 Start: 44712, Stop: 44386, Start Num: 7
Candidate Starts for Lonelysoil_64:
(Start: 7 @44712 has 19 MA's), (12, 44631), (13, 44610), (14, 44565), (17, 44487), (18, 44484), (20, 44415), (21, 44397),

Gene: Mila11_69 Start: 46934, Stop: 46608, Start Num: 7
Candidate Starts for Mila11_69:
(Start: 7 @46934 has 19 MA's), (12, 46853), (13, 46832), (14, 46787), (17, 46709), (18, 46706), (20, 46637), (21, 46619),

Gene: MorillMayhem_68 Start: 45772, Stop: 45446, Start Num: 7
Candidate Starts for MorillMayhem_68:
(Start: 7 @45772 has 19 MA's), (12, 45691), (13, 45670), (14, 45625), (17, 45547), (18, 45544), (19, 45511), (20, 45475), (21, 45457),

Gene: Nike_67 Start: 46272, Stop: 45946, Start Num: 7
Candidate Starts for Nike_67:
(1, 46443), (2, 46323), (Start: 7 @46272 has 19 MA's), (13, 46170), (14, 46125), (17, 46047), (18, 46044), (20, 45975), (21, 45957),

Gene: Phabia_67 Start: 45251, Stop: 44925, Start Num: 7
Candidate Starts for Phabia_67:

(Start: 6 @45266 has 3 MA's), (Start: 7 @45251 has 19 MA's), (12, 45170), (13, 45149), (14, 45104), (17, 45026), (18, 45023),

Gene: Quammi_65 Start: 44951, Stop: 44625, Start Num: 7
Candidate Starts for Quammi_65:
(Start: 6 @44966 has 3 MA's), (Start: 7 @44951 has 19 MA's), (12, 44870), (13, 44849), (14, 44804), (17, 44726), (18, 44723),

Gene: Rudy_65 Start: 44987, Stop: 44661, Start Num: 7
Candidate Starts for Rudy_65:
(Start: 6 @45002 has 3 MA's), (Start: 7 @44987 has 19 MA's), (12, 44906), (13, 44885), (14, 44840), (17, 44762), (18, 44759),

Gene: Sillytadpoles_68 Start: 44824, Stop: 44498, Start Num: 7
Candidate Starts for Sillytadpoles_68:
(Start: 6 @44839 has 3 MA's), (Start: 7 @44824 has 19 MA's), (12, 44743), (13, 44722), (14, 44677), (17, 44599), (18, 44596),

Gene: Squash_69 Start: 46110, Stop: 45784, Start Num: 7
Candidate Starts for Squash_69:
(Start: 7 @46110 has 19 MA's), (8, 46065), (10, 46044), (12, 46029), (13, 46008), (14, 45963), (17, 45885), (18, 45882),

Gene: Teehee_68 Start: 46057, Stop: 45731, Start Num: 7
Candidate Starts for Teehee_68:
(Start: 6 @46072 has 3 MA's), (Start: 7 @46057 has 19 MA's), (12, 45976), (13, 45955), (14, 45910), (17, 45832), (18, 45829),

Gene: Viceroy_66 Start: 44957, Stop: 44631, Start Num: 7
Candidate Starts for Viceroy_66:
(Start: 6 @44972 has 3 MA's), (Start: 7 @44957 has 19 MA's), (12, 44876), (13, 44855), (14, 44810), (17, 44732), (18, 44729),

Gene: Wayne3_69 Start: 45820, Stop: 45494, Start Num: 7
Candidate Starts for Wayne3_69:
(Start: 6 @45835 has 3 MA's), (Start: 7 @45820 has 19 MA's), (12, 45739), (13, 45718), (14, 45673), (17, 45595), (18, 45592),

Gene: Wheelie_67 Start: 45141, Stop: 44815, Start Num: 7
Candidate Starts for Wheelie_67:
(Start: 6 @45156 has 3 MA's), (Start: 7 @45141 has 19 MA's), (12, 45060), (13, 45039), (14, 44994), (17, 44916), (18, 44913),

Gene: ZestyBestie_65 Start: 45246, Stop: 44905, Start Num: 6
Candidate Starts for ZestyBestie_65:
(Start: 6 @45246 has 3 MA's), (Start: 7 @45231 has 19 MA's), (12, 45150), (13, 45129), (14, 45084), (17, 45006), (18, 45003),

Gene: Zhafia_70 Start: 45636, Stop: 45295, Start Num: 6
Candidate Starts for Zhafia_70:
(Start: 6 @45636 has 3 MA's), (Start: 7 @45621 has 19 MA's), (12, 45540), (13, 45519), (14, 45474), (17, 45396), (18, 45393),