Pham 333064


1: Mashley_1 + 1
2: Teehee_5 + 1
3: Lonelysoil_3 + 5
4: Wheelie_3 + 7
5: Grassboy_1 + 2
6: Zagie_5
7: Blab_2
8: WheelerS25_2
9: Nike_2
10: Memos_2
11: Wayne3_3 + 1
12: SlySloth_3
13: Gazebo_1
14: Hyperion_1
15: BabyDotz_2

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 333064 Report

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

Pham number 333064 has 32 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Mashley_1, AluminumJesus_1
• Track 2 : Teehee_5, Jehoshaphat_5
• Track 3 : Lonelysoil_3, ZestyBestie_3, LilCahh_2, FrankDeliGuy_2, Kyva_3, Judebell_3
• Track 4 : Wheelie_3, Phabia_2, Quammi_2, Viceroy_3, Rudy_2, Llemily_3, Sillytadpoles_3, DonaldDuck_3
• Track 5 : Grassboy_1, Tissue_1, Zhafia_3
• Track 6 : Zagie_5
• Track 7 : Blab_2
• Track 8 : WheelerS25_2
• Track 9 : Nike_2
• Track 10 : Mentos_2
• Track 11 : Wayne3_3, Casend_3
• Track 12 : SlySloth_3
• Track 13 : Gazebo_1
• Track 14 : Hyperion_1
• Track 15 : BabyDotz_2

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

The start number called the most often in the published annotations is 25, it was called in 30 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AluminumJesus_1, BabyDotz_2, Blab_2, Casend_3, DonaldDuck_3, FrankDeliGuy_2, Gazebo_1, Grassboy_1, Hyperion_1, Jehoshaphat_5, Judebell_3, Kyva_3, LilCahh_2, Llemily_3, Lonelysoil_3, Mashley_1, Mentos_2, Nike_2, Phabia_2, Quammi_2, Rudy_2, Sillytadpoles_3, SlySloth_3, Teehee_5, Tissue_1, Viceroy_3, Wayne3_3, WheelerS25_2, Wheelie_3, Zagie_5, ZestyBestie_3, Zhafia_3,

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 25:
• Found in 32 of 32 (100.0%) of genes in pham
• Manual Annotations of this start: 30 of 30
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AluminumJesus_1 (EG), BabyDotz_2 (EG), Blab_2 (EG), Casend_3 (EG), DonaldDuck_3 (EG), FrankDeliGuy_2 (EG), Gazebo_1 (EG), Grassboy_1 (EG), Hyperion_1 (EG), Jehoshaphat_5 (EG), Judebell_3 (EG), Kyva_3 (EG), LilCahh_2 (EG), Llemily_3 (EG), Lonelysoil_3 (EG), Mashley_1 (EG), Mentos_2 (EG), Nike_2 (EG), Phabia_2 (EG), Quammi_2 (EG), Rudy_2 (EG), Sillytadpoles_3 (EG), SlySloth_3 (EG), Teehee_5 (EG), Tissue_1 (EG), Viceroy_3 (EG), Wayne3_3 (EG), WheelerS25_2 (EG), Wheelie_3 (EG), Zagie_5 (EG), ZestyBestie_3 (EG), Zhafia_3 (EG),

Summary by clusters:

There is one cluster represented in this pham: EG

Info for manual annotations of cluster EG:
•Start number 25 was manually annotated 30 times for cluster EG.

Gene Information:

Gene: AluminumJesus_1 Start: 910, Stop: 668, Start Num: 25
Candidate Starts for AluminumJesus_1:
(20, 952), (22, 922), (Start: 25 @910 has 30 MA's), (27, 865), (30, 826), (31, 811), (32, 799), (34, 754), (35, 727),

Gene: BabyDotz_2 Start: 1334, Stop: 1167, Start Num: 25
Candidate Starts for BabyDotz_2:
(10, 1436), (13, 1421), (14, 1418), (Start: 25 @1334 has 30 MA's), (27, 1289), (29, 1253), (30, 1250), (33, 1211),

Gene: Blab_2 Start: 917, Stop: 675, Start Num: 25
Candidate Starts for Blab_2:
(9, 1037), (14, 1004), (15, 1001), (18, 965), (22, 929), (Start: 25 @917 has 30 MA's), (27, 872), (30, 833), (31, 818), (32, 806), (34, 761), (35, 734),

Gene: Casend_3 Start: 1224, Stop: 976, Start Num: 25
Candidate Starts for Casend_3:
(10, 1326), (13, 1311), (14, 1308), (Start: 25 @1224 has 30 MA's), (27, 1179), (30, 1140), (31, 1125), (32, 1113), (34, 1068), (35, 1041),

Gene: DonaldDuck_3 Start: 1165, Stop: 917, Start Num: 25
Candidate Starts for DonaldDuck_3:
(18, 1213), (22, 1177), (Start: 25 @1165 has 30 MA's), (26, 1123), (28, 1102), (30, 1081), (31, 1066), (32, 1054), (34, 1009), (35, 982), (36, 970),

Gene: FrankDeliGuy_2 Start: 1115, Stop: 939, Start Num: 25
Candidate Starts for FrankDeliGuy_2:
(10, 1217), (13, 1202), (14, 1199), (Start: 25 @1115 has 30 MA's), (27, 1070), (30, 1031), (31, 1016), (32, 1004),

Gene: Gazebo_1 Start: 918, Stop: 676, Start Num: 25
Candidate Starts for Gazebo_1:
(2, 1197), (3, 1140), (5, 1110), (6, 1101), (13, 1008), (14, 1005), (Start: 25 @918 has 30 MA's), (27, 873), (30, 834), (31, 819), (32, 807), (34, 762), (35, 735),

Gene: Grassboy_1 Start: 906, Stop: 667, Start Num: 25
Candidate Starts for Grassboy_1:
(Start: 25 @906 has 30 MA's), (27, 861), (30, 822), (31, 807), (32, 795), (34, 750), (35, 723), (36, 711),

Gene: Hyperion_1 Start: 916, Stop: 677, Start Num: 25
Candidate Starts for Hyperion_1:
(18, 964), (22, 928), (Start: 25 @916 has 30 MA's), (27, 871), (30, 832), (31, 817), (32, 805), (34, 760), (35, 733),

Gene: Jehoshaphat_5 Start: 2026, Stop: 1859, Start Num: 25
Candidate Starts for Jehoshaphat_5:
(17, 2068), (24, 2032), (Start: 25 @2026 has 30 MA's), (27, 1981), (30, 1942),

Gene: Judebell_3 Start: 1319, Stop: 1152, Start Num: 25
Candidate Starts for Judebell_3:
(10, 1421), (13, 1406), (14, 1403), (Start: 25 @1319 has 30 MA's), (27, 1274), (30, 1235), (31, 1220), (32, 1208),

Gene: Kyva_3 Start: 1093, Stop: 917, Start Num: 25
Candidate Starts for Kyva_3:
(10, 1195), (13, 1180), (14, 1177), (Start: 25 @1093 has 30 MA's), (27, 1048), (30, 1009), (31, 994), (32, 982),

Gene: LilCahh_2 Start: 1114, Stop: 938, Start Num: 25
Candidate Starts for LilCahh_2:
(10, 1216), (13, 1201), (14, 1198), (Start: 25 @1114 has 30 MA's), (27, 1069), (30, 1030), (31, 1015), (32, 1003),

Gene: Llemily_3 Start: 1166, Stop: 918, Start Num: 25
Candidate Starts for Llemily_3:
(18, 1214), (22, 1178), (Start: 25 @1166 has 30 MA's), (26, 1124), (28, 1103), (30, 1082), (31, 1067), (32, 1055), (34, 1010), (35, 983), (36, 971),

Gene: Lonelysoil_3 Start: 1093, Stop: 917, Start Num: 25
Candidate Starts for Lonelysoil_3:
(10, 1195), (13, 1180), (14, 1177), (Start: 25 @1093 has 30 MA's), (27, 1048), (30, 1009), (31, 994), (32, 982),

Gene: Mashley_1 Start: 910, Stop: 668, Start Num: 25
Candidate Starts for Mashley_1:
(20, 952), (22, 922), (Start: 25 @910 has 30 MA's), (27, 865), (30, 826), (31, 811), (32, 799), (34, 754), (35, 727),

Gene: Mentos_2 Start: 1252, Stop: 1085, Start Num: 25
Candidate Starts for Mentos_2:
(1, 1534), (4, 1459), (7, 1417), (8, 1372), (11, 1339), (12, 1336), (16, 1300), (21, 1264), (Start: 25 @1252 has 30 MA's), (27, 1207), (30, 1168), (31, 1153), (32, 1141),

Gene: Nike_2 Start: 1105, Stop: 938, Start Num: 25
Candidate Starts for Nike_2:
(3, 1327), (5, 1297), (6, 1288), (13, 1195), (14, 1192), (16, 1162), (Start: 25 @1105 has 30 MA's), (27, 1060), (30, 1021),

Gene: Phabia_2 Start: 1166, Stop: 918, Start Num: 25
Candidate Starts for Phabia_2:
(18, 1214), (22, 1178), (Start: 25 @1166 has 30 MA's), (26, 1124), (28, 1103), (30, 1082), (31, 1067), (32, 1055), (34, 1010), (35, 983), (36, 971),

Gene: Quammi_2 Start: 1170, Stop: 922, Start Num: 25
Candidate Starts for Quammi_2:
(18, 1218), (22, 1182), (Start: 25 @1170 has 30 MA's), (26, 1128), (28, 1107), (30, 1086), (31, 1071), (32, 1059), (34, 1014), (35, 987), (36, 975),

Gene: Rudy_2 Start: 1170, Stop: 922, Start Num: 25
Candidate Starts for Rudy_2:
(18, 1218), (22, 1182), (Start: 25 @1170 has 30 MA's), (26, 1128), (28, 1107), (30, 1086), (31, 1071), (32, 1059), (34, 1014), (35, 987), (36, 975),

Gene: Sillytadpoles_3 Start: 1168, Stop: 920, Start Num: 25
Candidate Starts for Sillytadpoles_3:
(18, 1216), (22, 1180), (Start: 25 @1168 has 30 MA's), (26, 1126), (28, 1105), (30, 1084), (31, 1069), (32, 1057), (34, 1012), (35, 985), (36, 973),

Gene: SlySloth_3 Start: 1337, Stop: 1170, Start Num: 25
Candidate Starts for SlySloth_3:
(10, 1439), (13, 1424), (14, 1421), (Start: 25 @1337 has 30 MA's), (27, 1292), (29, 1256), (30, 1253),

Gene: Teehee_5 Start: 2026, Stop: 1859, Start Num: 25
Candidate Starts for Teehee_5:
(17, 2068), (24, 2032), (Start: 25 @2026 has 30 MA's), (27, 1981), (30, 1942),

Gene: Tissue_1 Start: 924, Stop: 685, Start Num: 25
Candidate Starts for Tissue_1:
(Start: 25 @924 has 30 MA's), (27, 879), (30, 840), (31, 825), (32, 813), (34, 768), (35, 741), (36, 729),

Gene: Viceroy_3 Start: 1170, Stop: 922, Start Num: 25
Candidate Starts for Viceroy_3:
(18, 1218), (22, 1182), (Start: 25 @1170 has 30 MA's), (26, 1128), (28, 1107), (30, 1086), (31, 1071), (32, 1059), (34, 1014), (35, 987), (36, 975),

Gene: Wayne3_3 Start: 1219, Stop: 971, Start Num: 25
Candidate Starts for Wayne3_3:
(10, 1321), (13, 1306), (14, 1303), (Start: 25 @1219 has 30 MA's), (27, 1174), (30, 1135), (31, 1120), (32, 1108), (34, 1063), (35, 1036),

Gene: WheelerS25_2 Start: 1268, Stop: 1101, Start Num: 25

Candidate Starts for WheelerS25_2:
(10, 1370), (13, 1355), (14, 1352), (Start: 25 @1268 has 30 MA's), (27, 1223), (30, 1184),

Gene: Wheelie_3 Start: 1165, Stop: 917, Start Num: 25
Candidate Starts for Wheelie_3:
(18, 1213), (22, 1177), (Start: 25 @1165 has 30 MA's), (26, 1123), (28, 1102), (30, 1081), (31, 1066), (32, 1054), (34, 1009), (35, 982), (36, 970),

Gene: Zagie_5 Start: 1821, Stop: 1654, Start Num: 25
Candidate Starts for Zagie_5:
(19, 1863), (23, 1833), (Start: 25 @1821 has 30 MA's), (27, 1776), (30, 1737),

Gene: ZestyBestie_3 Start: 1113, Stop: 937, Start Num: 25
Candidate Starts for ZestyBestie_3:
(10, 1215), (13, 1200), (14, 1197), (Start: 25 @1113 has 30 MA's), (27, 1068), (30, 1029), (31, 1014), (32, 1002),

Gene: Zhafia_3 Start: 1165, Stop: 917, Start Num: 25
Candidate Starts for Zhafia_3:
(Start: 25 @1165 has 30 MA's), (27, 1120), (30, 1081), (31, 1066), (32, 1054), (34, 1009), (35, 982), (36, 970),