Pham 347882


7
9
12
14
15
1: ZestyBestie_101 + 5
2
3
10
14
15
2: Squash_103 + 1
3
6
8
10
14
15
3: Viceroy_101 + 5
4
5
11
14
15
4: SallyK_102
7
9
12
15
5: Wheelie_101 + 10
1
3
6
8
10
13
14
15
6: Statler_104
3
6
8
10
13
14
15
7: BabyDotz_99
2
3
10
14
15
8: Gazebo_100
2
3
10
14
15
16
17
9: Nike_99
3
6
8
10
14
15
10: Quammi_102
2
3
10
14
15
11: Blab_98

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 347882 Report

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

Pham number 347882 has 32 members, 1 are drafts.

Phages represented in each track:
• Track 1 : ZestyBestie_101, FrankDeliGuy_99, SlySloth_101, Rowlf_99, Casend_102, Mentos_102
• Track 2 : Squash_103, AluminumJesus_98
• Track 3 : Viceroy_101, Zagie_104, Kyva_107, Grassboy_107, Lonelysoil_100, Rudy_100
• Track 4 : SallyK_102
• Track 5 : Wheelie_101, Wayne3_103, Teehee_101, Phabia_101, Llemily_101, StrawberryJamm_108, Sillytadpoles_102, DonaldDuck_101, Zhafia_104, Jehoshaphat_102, Namago_102
• Track 6 : Statler_104
• Track 7 : BabyDotz_99
• Track 8 : Gazebo_100
• Track 9 : Nike_99
• Track 10 : Quammi_102
• Track 11 : Blab_98

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 16 of the 31 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Casend_102, DonaldDuck_101, FrankDeliGuy_99, Jehoshaphat_102, Llemily_101, Mentos_102, Namago_102, Phabia_101, Rowlf_99, Sillytadpoles_102, SlySloth_101, StrawberryJamm_108, Teehee_101, Wayne3_103, Wheelie_101, ZestyBestie_101, Zhafia_104,

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

Genes that do not have the "Most Annotated" start:
• AluminumJesus_98, BabyDotz_99, Blab_98, Gazebo_100, Grassboy_107, Kyva_107, Lonelysoil_100, Nike_99, Quammi_102, Rudy_100, SallyK_102, Squash_103, Statler_104, Viceroy_101, Zagie_104,

Summary by start number:

Start 2:
• Found in 5 of 32 (15.6%) of genes in pham
• Manual Annotations of this start: 4 of 31
• Called 80.0% of time when present
• Phage (with cluster) where this start called: AluminumJesus_98 (EG), Blab_98 (EG), Nike_99 (EG), Squash_103 (EG),

Start 3:
• Found in 14 of 32 (43.8%) of genes in pham
• Manual Annotations of this start: 1 of 31
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Gazebo_100 (EG),

Start 5:
• Found in 1 of 32 (3.1%) of genes in pham
• Manual Annotations of this start: 1 of 31
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SallyK_102 (EG),

Start 6:
• Found in 9 of 32 (28.1%) of genes in pham
• Manual Annotations of this start: 1 of 31
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Quammi_102 (EG),

Start 7:
• Found in 17 of 32 (53.1%) of genes in pham
• Manual Annotations of this start: 16 of 31
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Casend_102 (EG), DonaldDuck_101 (EG), FrankDeliGuy_99 (EG), Jehoshaphat_102 (EG), Llemily_101 (EG), Mentos_102 (EG), Namago_102 (EG), Phabia_101 (EG), Rowlf_99 (EG), Sillytadpoles_102 (EG), SlySloth_101 (EG), StrawberryJamm_108 (EG), Teehee_101 (EG), Wayne3_103 (EG), Wheelie_101 (EG), ZestyBestie_101 (EG), Zhafia_104 (EG),

Start 8:
• Found in 9 of 32 (28.1%) of genes in pham
• Manual Annotations of this start: 8 of 31
• Called 88.9% of time when present
• Phage (with cluster) where this start called: BabyDotz_99 (EG), Grassboy_107 (EG), Kyva_107 (EG), Lonelysoil_100 (EG), Rudy_100 (EG), Statler_104 (EG), Viceroy_101 (EG), Zagie_104 (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 4 times for cluster EG.
•Start number 3 was manually annotated 1 time for cluster EG.

•Start number 5 was manually annotated 1 time for cluster EG.
•Start number 6 was manually annotated 1 time for cluster EG.
•Start number 7 was manually annotated 16 times for cluster EG.
•Start number 8 was manually annotated 8 times for cluster EG.

Gene Information:

Gene: AluminumJesus_98 Start: 59608, Stop: 59057, Start Num: 2
Candidate Starts for AluminumJesus_98:
(Start: 2 @59608 has 4 MA's), (Start: 3 @59587 has 1 MA's), (10, 59335), (14, 59275), (15, 59161),

Gene: BabyDotz_99 Start: 61158, Stop: 60775, Start Num: 8
Candidate Starts for BabyDotz_99:
(Start: 3 @61284 has 1 MA's), (Start: 6 @61179 has 1 MA's), (Start: 8 @61158 has 8 MA's), (10, 61053), (13, 61002), (14, 60993), (15, 60879),

Gene: Blab_98 Start: 60181, Stop: 59630, Start Num: 2
Candidate Starts for Blab_98:
(Start: 2 @60181 has 4 MA's), (Start: 3 @60160 has 1 MA's), (10, 59908), (14, 59848), (15, 59734),

Gene: Casend_102 Start: 60561, Stop: 60130, Start Num: 7
Candidate Starts for Casend_102:
(Start: 7 @60561 has 16 MA's), (9, 60438), (12, 60384), (14, 60348), (15, 60234),

Gene: DonaldDuck_101 Start: 59762, Stop: 59445, Start Num: 7
Candidate Starts for DonaldDuck_101:
(Start: 7 @59762 has 16 MA's), (9, 59639), (12, 59585), (15, 59549),

Gene: FrankDeliGuy_99 Start: 60216, Stop: 59785, Start Num: 7
Candidate Starts for FrankDeliGuy_99:
(Start: 7 @60216 has 16 MA's), (9, 60093), (12, 60039), (14, 60003), (15, 59889),

Gene: Gazebo_100 Start: 60165, Stop: 59635, Start Num: 3
Candidate Starts for Gazebo_100:
(Start: 2 @60186 has 4 MA's), (Start: 3 @60165 has 1 MA's), (10, 59913), (14, 59853), (15, 59739),

Gene: Grassboy_107 Start: 60935, Stop: 60552, Start Num: 8
Candidate Starts for Grassboy_107:
(Start: 3 @61061 has 1 MA's), (Start: 6 @60956 has 1 MA's), (Start: 8 @60935 has 8 MA's), (10, 60830), (14, 60770), (15, 60656),

Gene: Jehoshaphat_102 Start: 60246, Stop: 59929, Start Num: 7
Candidate Starts for Jehoshaphat_102:
(Start: 7 @60246 has 16 MA's), (9, 60123), (12, 60069), (15, 60033),

Gene: Kyva_107 Start: 60959, Stop: 60576, Start Num: 8
Candidate Starts for Kyva_107:
(Start: 3 @61085 has 1 MA's), (Start: 6 @60980 has 1 MA's), (Start: 8 @60959 has 8 MA's), (10, 60854), (14, 60794), (15, 60680),

Gene: Llemily_101 Start: 59457, Stop: 59140, Start Num: 7

Candidate Starts for Llemily_101:
(Start: 7 @59457 has 16 MA's), (9, 59334), (12, 59280), (15, 59244),

Gene: Lonelysoil_100 Start: 59490, Stop: 59107, Start Num: 8
Candidate Starts for Lonelysoil_100:
(Start: 3 @59616 has 1 MA's), (Start: 6 @59511 has 1 MA's), (Start: 8 @59490 has 8 MA's), (10, 59385), (14, 59325), (15, 59211),

Gene: Mentos_102 Start: 60909, Stop: 60478, Start Num: 7
Candidate Starts for Mentos_102:
(Start: 7 @60909 has 16 MA's), (9, 60786), (12, 60732), (14, 60696), (15, 60582),

Gene: Namago_102 Start: 59745, Stop: 59428, Start Num: 7
Candidate Starts for Namago_102:
(Start: 7 @59745 has 16 MA's), (9, 59622), (12, 59568), (15, 59532),

Gene: Nike_99 Start: 60525, Stop: 59971, Start Num: 2
Candidate Starts for Nike_99:
(Start: 2 @60525 has 4 MA's), (Start: 3 @60504 has 1 MA's), (10, 60252), (14, 60192), (15, 60078), (16, 60057), (17, 60015),

Gene: Phabia_101 Start: 59913, Stop: 59599, Start Num: 7
Candidate Starts for Phabia_101:
(Start: 7 @59913 has 16 MA's), (9, 59790), (12, 59736), (15, 59700),

Gene: Quammi_102 Start: 60032, Stop: 59628, Start Num: 6
Candidate Starts for Quammi_102:
(Start: 3 @60137 has 1 MA's), (Start: 6 @60032 has 1 MA's), (Start: 8 @60011 has 8 MA's), (10, 59906), (14, 59846), (15, 59732),

Gene: Rowlf_99 Start: 60142, Stop: 59711, Start Num: 7
Candidate Starts for Rowlf_99:
(Start: 7 @60142 has 16 MA's), (9, 60019), (12, 59965), (14, 59929), (15, 59815),

Gene: Rudy_100 Start: 59877, Stop: 59494, Start Num: 8
Candidate Starts for Rudy_100:
(Start: 3 @60003 has 1 MA's), (Start: 6 @59898 has 1 MA's), (Start: 8 @59877 has 8 MA's), (10, 59772), (14, 59712), (15, 59598),

Gene: SallyK_102 Start: 60739, Stop: 60293, Start Num: 5
Candidate Starts for SallyK_102:
(4, 60769), (Start: 5 @60739 has 1 MA's), (11, 60580), (14, 60511), (15, 60397),

Gene: Sillytadpoles_102 Start: 59445, Stop: 59128, Start Num: 7
Candidate Starts for Sillytadpoles_102:
(Start: 7 @59445 has 16 MA's), (9, 59322), (12, 59268), (15, 59232),

Gene: SlySloth_101 Start: 60135, Stop: 59704, Start Num: 7
Candidate Starts for SlySloth_101:
(Start: 7 @60135 has 16 MA's), (9, 60012), (12, 59958), (14, 59922), (15, 59808),

Gene: Squash_103 Start: 60444, Stop: 59896, Start Num: 2
Candidate Starts for Squash_103:

(Start: 2 @60444 has 4 MA's), (Start: 3 @60423 has 1 MA's), (10, 60174), (14, 60114), (15, 60000),

Gene: Statler_104 Start: 60365, Stop: 59982, Start Num: 8
Candidate Starts for Statler_104:
(1, 60530), (Start: 3 @60491 has 1 MA's), (Start: 6 @60386 has 1 MA's), (Start: 8 @60365 has 8 MA's), (10, 60260), (13, 60209), (14, 60200), (15, 60086),

Gene: StrawberryJamm_108 Start: 59906, Stop: 59589, Start Num: 7
Candidate Starts for StrawberryJamm_108:
(Start: 7 @59906 has 16 MA's), (9, 59783), (12, 59729), (15, 59693),

Gene: Teehee_101 Start: 60243, Stop: 59926, Start Num: 7
Candidate Starts for Teehee_101:
(Start: 7 @60243 has 16 MA's), (9, 60120), (12, 60066), (15, 60030),

Gene: Viceroy_101 Start: 59832, Stop: 59449, Start Num: 8
Candidate Starts for Viceroy_101:
(Start: 3 @59958 has 1 MA's), (Start: 6 @59853 has 1 MA's), (Start: 8 @59832 has 8 MA's), (10, 59727), (14, 59667), (15, 59553),

Gene: Wayne3_103 Start: 60482, Stop: 60168, Start Num: 7
Candidate Starts for Wayne3_103:
(Start: 7 @60482 has 16 MA's), (9, 60359), (12, 60305), (15, 60269),

Gene: Wheelie_101 Start: 59803, Stop: 59489, Start Num: 7
Candidate Starts for Wheelie_101:
(Start: 7 @59803 has 16 MA's), (9, 59680), (12, 59626), (15, 59590),

Gene: Zagie_104 Start: 60477, Stop: 60094, Start Num: 8
Candidate Starts for Zagie_104:
(Start: 3 @60603 has 1 MA's), (Start: 6 @60498 has 1 MA's), (Start: 8 @60477 has 8 MA's), (10, 60372), (14, 60312), (15, 60198),

Gene: ZestyBestie_101 Start: 60211, Stop: 59780, Start Num: 7
Candidate Starts for ZestyBestie_101:
(Start: 7 @60211 has 16 MA's), (9, 60088), (12, 60034), (14, 59998), (15, 59884),

Gene: Zhafia_104 Start: 60239, Stop: 59922, Start Num: 7
Candidate Starts for Zhafia_104:
(Start: 7 @60239 has 16 MA's), (9, 60116), (12, 60062), (15, 60026),