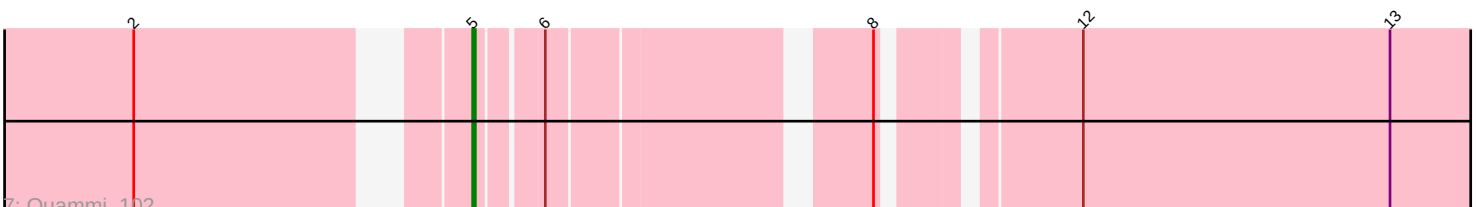
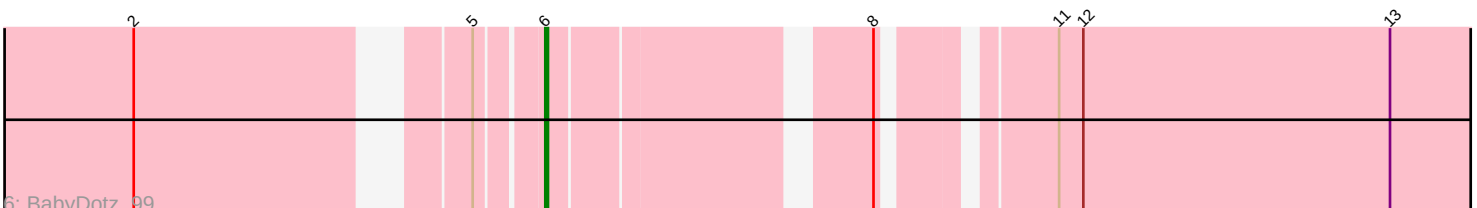
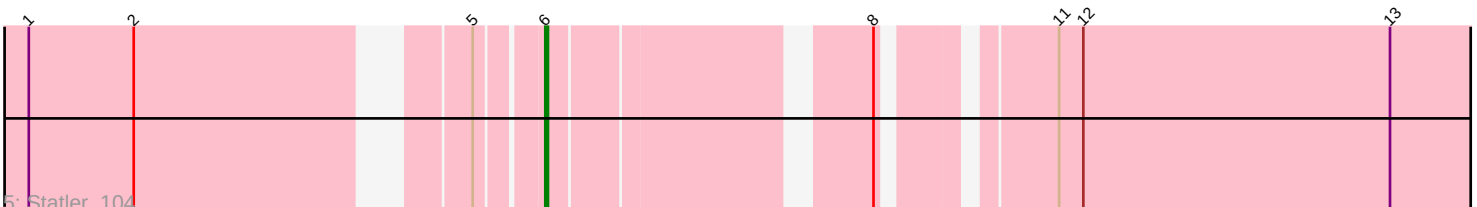
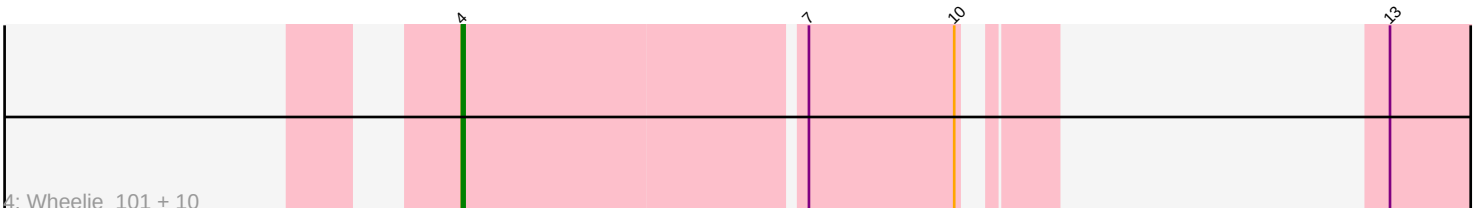
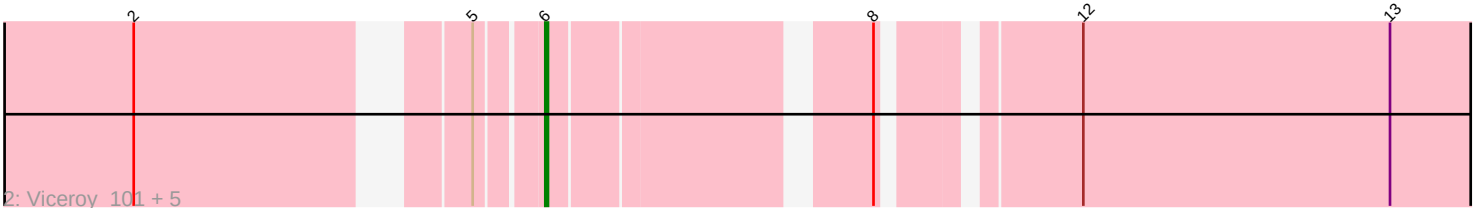
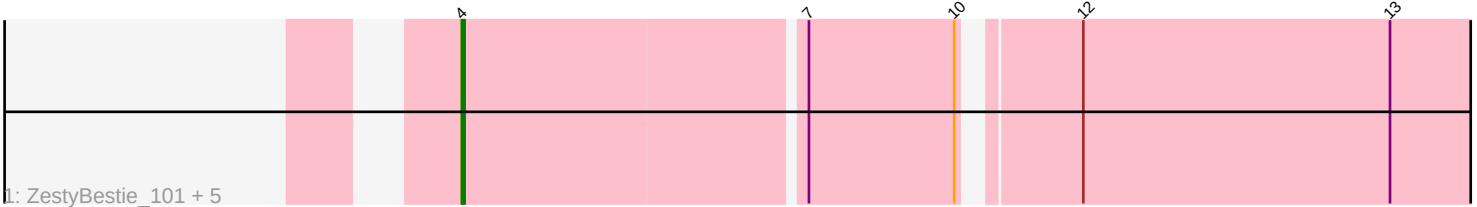


Pham 331152



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 331152 Report

This analysis was run 09/05/26 on database version 662.

Pham number 331152 has 27 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 : Viceroy_101, Zagie_104, Kyva_107, Grassboy_107, Lonelysoil_100, Rudy_100
- Track 3 : SallyK_102
- Track 4 : Wheelie_101, Wayne3_103, Teehee_101, Phabia_101, Llemily_101, StrawberryJamm_108, Sillytadpoles_102, DonaldDuck_101, Zhafia_104, Jehoshaphat_102, Namago_102
- Track 5 : Statler_104
- Track 6 : BabyDotz_99
- Track 7 : Quammi_102

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

The start number called the most often in the published annotations is 4, it was called in 17 of the 26 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, SallyK_102, 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:

- BabyDotz_99, Grassboy_107, Kyva_107, Lonelysoil_100, Quammi_102, Rudy_100, Statler_104, Viceroy_101, Zagie_104,

Summary by start number:

Start 4:

- Found in 18 of 27 (66.7%) of genes in pham

- Manual Annotations of this start: 17 of 26
- 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), SallyK_102 (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 5:

- Found in 9 of 27 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 26
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Quammi_102 (EG),

Start 6:

- Found in 9 of 27 (33.3%) of genes in pham
- Manual Annotations of this start: 8 of 26
- 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 4 was manually annotated 17 times for cluster EG.
- Start number 5 was manually annotated 1 time for cluster EG.
- Start number 6 was manually annotated 8 times for cluster EG.

Gene Information:

Gene: BabyDotz_99 Start: 61158, Stop: 60775, Start Num: 6

Candidate Starts for BabyDotz_99:

(2, 61284), (Start: 5 @61179 has 1 MA's), (Start: 6 @61158 has 8 MA's), (8, 61053), (11, 61002), (12, 60993), (13, 60879),

Gene: Casend_102 Start: 60561, Stop: 60130, Start Num: 4

Candidate Starts for Casend_102:

(Start: 4 @60561 has 17 MA's), (7, 60438), (10, 60384), (12, 60348), (13, 60234),

Gene: DonaldDuck_101 Start: 59762, Stop: 59445, Start Num: 4

Candidate Starts for DonaldDuck_101:

(Start: 4 @59762 has 17 MA's), (7, 59639), (10, 59585), (13, 59549),

Gene: FrankDeliGuy_99 Start: 60216, Stop: 59785, Start Num: 4

Candidate Starts for FrankDeliGuy_99:

(Start: 4 @60216 has 17 MA's), (7, 60093), (10, 60039), (12, 60003), (13, 59889),

Gene: Grassboy_107 Start: 60935, Stop: 60552, Start Num: 6

Candidate Starts for Grassboy_107:

(2, 61061), (Start: 5 @60956 has 1 MA's), (Start: 6 @60935 has 8 MA's), (8, 60830), (12, 60770), (13, 60656),

Gene: Jehoshaphat_102 Start: 60246, Stop: 59929, Start Num: 4

Candidate Starts for Jehoshaphat_102:

(Start: 4 @60246 has 17 MA's), (7, 60123), (10, 60069), (13, 60033),

Gene: Kyva_107 Start: 60959, Stop: 60576, Start Num: 6

Candidate Starts for Kyva_107:

(2, 61085), (Start: 5 @60980 has 1 MA's), (Start: 6 @60959 has 8 MA's), (8, 60854), (12, 60794), (13, 60680),

Gene: Llemily_101 Start: 59457, Stop: 59140, Start Num: 4

Candidate Starts for Llemily_101:

(Start: 4 @59457 has 17 MA's), (7, 59334), (10, 59280), (13, 59244),

Gene: Lonelysoil_100 Start: 59490, Stop: 59107, Start Num: 6

Candidate Starts for Lonelysoil_100:

(2, 59616), (Start: 5 @59511 has 1 MA's), (Start: 6 @59490 has 8 MA's), (8, 59385), (12, 59325), (13, 59211),

Gene: Mentos_102 Start: 60909, Stop: 60478, Start Num: 4

Candidate Starts for Mentos_102:

(Start: 4 @60909 has 17 MA's), (7, 60786), (10, 60732), (12, 60696), (13, 60582),

Gene: Namago_102 Start: 59745, Stop: 59428, Start Num: 4

Candidate Starts for Namago_102:

(Start: 4 @59745 has 17 MA's), (7, 59622), (10, 59568), (13, 59532),

Gene: Phabia_101 Start: 59913, Stop: 59599, Start Num: 4

Candidate Starts for Phabia_101:

(Start: 4 @59913 has 17 MA's), (7, 59790), (10, 59736), (13, 59700),

Gene: Quammi_102 Start: 60032, Stop: 59628, Start Num: 5

Candidate Starts for Quammi_102:

(2, 60137), (Start: 5 @60032 has 1 MA's), (Start: 6 @60011 has 8 MA's), (8, 59906), (12, 59846), (13, 59732),

Gene: Rowlf_99 Start: 60142, Stop: 59711, Start Num: 4

Candidate Starts for Rowlf_99:

(Start: 4 @60142 has 17 MA's), (7, 60019), (10, 59965), (12, 59929), (13, 59815),

Gene: Rudy_100 Start: 59877, Stop: 59494, Start Num: 6

Candidate Starts for Rudy_100:

(2, 60003), (Start: 5 @59898 has 1 MA's), (Start: 6 @59877 has 8 MA's), (8, 59772), (12, 59712), (13, 59598),

Gene: SallyK_102 Start: 60739, Stop: 60293, Start Num: 4

Candidate Starts for SallyK_102:

(3, 60769), (Start: 4 @60739 has 17 MA's), (9, 60580), (12, 60511), (13, 60397),

Gene: Sillytadpoles_102 Start: 59445, Stop: 59128, Start Num: 4
Candidate Starts for Sillytadpoles_102:
(Start: 4 @59445 has 17 MA's), (7, 59322), (10, 59268), (13, 59232),

Gene: SlySloth_101 Start: 60135, Stop: 59704, Start Num: 4
Candidate Starts for SlySloth_101:
(Start: 4 @60135 has 17 MA's), (7, 60012), (10, 59958), (12, 59922), (13, 59808),

Gene: Statler_104 Start: 60365, Stop: 59982, Start Num: 6
Candidate Starts for Statler_104:
(1, 60530), (2, 60491), (Start: 5 @60386 has 1 MA's), (Start: 6 @60365 has 8 MA's), (8, 60260), (11, 60209), (12, 60200), (13, 60086),

Gene: StrawberryJamm_108 Start: 59906, Stop: 59589, Start Num: 4
Candidate Starts for StrawberryJamm_108:
(Start: 4 @59906 has 17 MA's), (7, 59783), (10, 59729), (13, 59693),

Gene: Teehee_101 Start: 60243, Stop: 59926, Start Num: 4
Candidate Starts for Teehee_101:
(Start: 4 @60243 has 17 MA's), (7, 60120), (10, 60066), (13, 60030),

Gene: Viceroy_101 Start: 59832, Stop: 59449, Start Num: 6
Candidate Starts for Viceroy_101:
(2, 59958), (Start: 5 @59853 has 1 MA's), (Start: 6 @59832 has 8 MA's), (8, 59727), (12, 59667), (13, 59553),

Gene: Wayne3_103 Start: 60482, Stop: 60168, Start Num: 4
Candidate Starts for Wayne3_103:
(Start: 4 @60482 has 17 MA's), (7, 60359), (10, 60305), (13, 60269),

Gene: Wheelie_101 Start: 59803, Stop: 59489, Start Num: 4
Candidate Starts for Wheelie_101:
(Start: 4 @59803 has 17 MA's), (7, 59680), (10, 59626), (13, 59590),

Gene: Zagie_104 Start: 60477, Stop: 60094, Start Num: 6
Candidate Starts for Zagie_104:
(2, 60603), (Start: 5 @60498 has 1 MA's), (Start: 6 @60477 has 8 MA's), (8, 60372), (12, 60312), (13, 60198),

Gene: ZestyBestie_101 Start: 60211, Stop: 59780, Start Num: 4
Candidate Starts for ZestyBestie_101:
(Start: 4 @60211 has 17 MA's), (7, 60088), (10, 60034), (12, 59998), (13, 59884),

Gene: Zhafia_104 Start: 60239, Stop: 59922, Start Num: 4
Candidate Starts for Zhafia_104:
(Start: 4 @60239 has 17 MA's), (7, 60116), (10, 60062), (13, 60026),