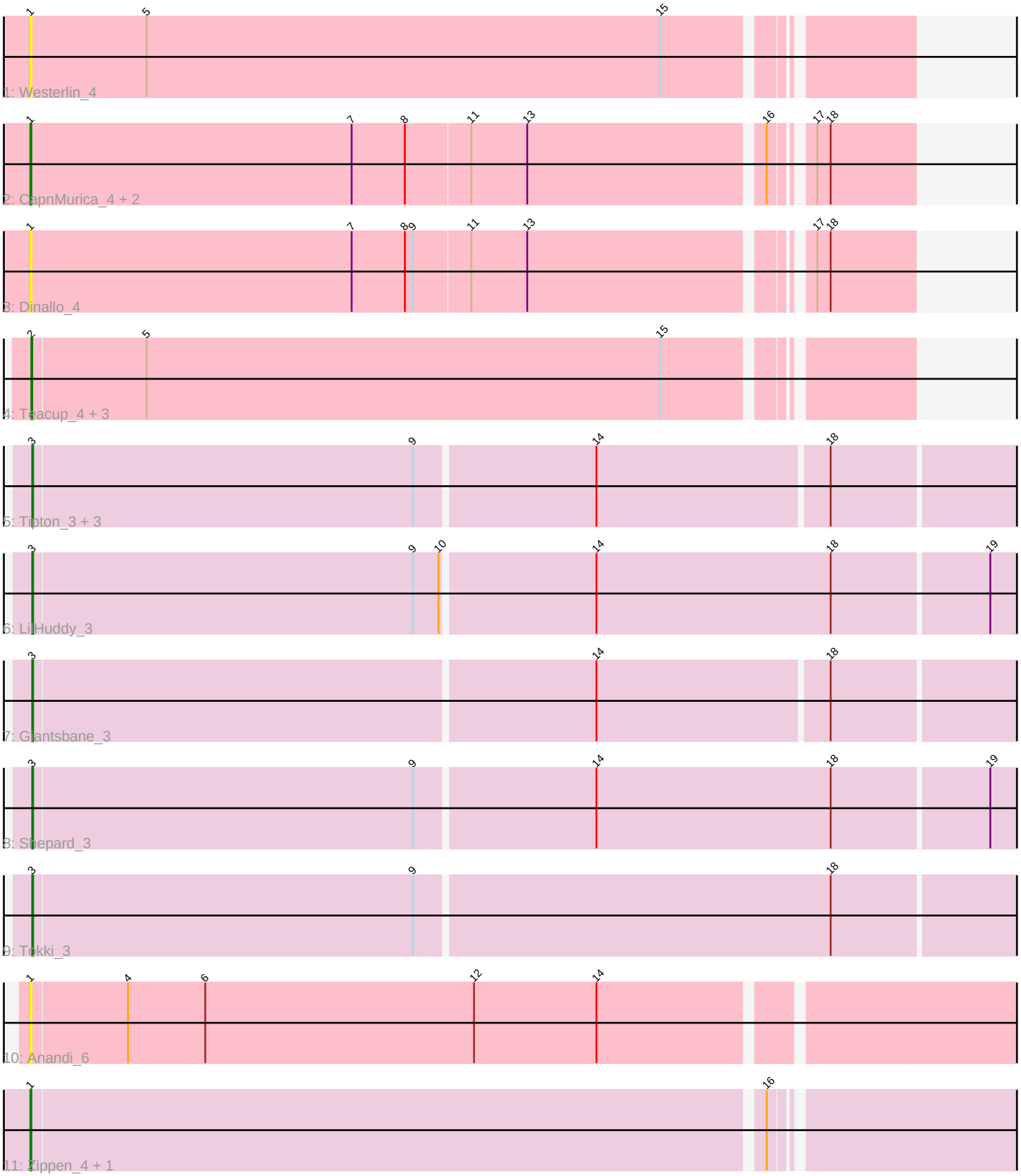
Pham 291556


1
5
15
1: Westerlin_4
1
7
8
11
13
16
17
18
2: CapnMurica_4 + 2
1
7
8
9
11
13
17
18
3: Dinallo_4
2
5
15
4: Teacup_4 + 3
3
9
14
18
5: Tipton_3 + 3
3
9
10
14
18
19
6: LilHuddy_3
3
14
18
7: Giantsbane_3
3
9
14
18
19
8: Shepard_3
3
9
18
9: Tokki_3
1
4
6
12
14
10: Anandi_6
1
16
11: Zippen_4 + 1

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 291556 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291556 has 20 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Westerlin_4
• Track 2 : CapnMurica_4, MiniBagel_4, Tenno_4
• Track 3 : Dinallo_4
• Track 4 : Teacup_4, Issa_3, Nightmare_3, LucySwiss_3
• Track 5 : Tipton_3, Bouchard_3, Phaby_3, Chlochlo_3
• Track 6 : LilHuddy_3
• Track 7 : Giantsbane_3
• Track 8 : Shepard_3
• Track 9 : Tokki_3
• Track 10 : Anandi_6
• Track 11 : Zippen_4, Inked_4

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

Genes that call this "Most Annotated" start:
• Bouchard_3, Chlochlo_3, Giantsbane_3, LilHuddy_3, Phaby_3, Shepard_3, Tipton_3, Tokki_3,

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

Genes that do not have the "Most Annotated" start:
• Anandi_6, CapnMurica_4, Dinallo_4, Inked_4, Issa_3, LucySwiss_3, MiniBagel_4, Nightmare_3, Teacup_4, Tenno_4, Westerlin_4, Zippen_4,

Summary by start number:

Start 1:
• Found in 8 of 20 (40.0%) of genes in pham
• Manual Annotations of this start: 5 of 16
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Anandi_6 (AU4), CapnMurica_4 (AU1), Dinallo_4 (AU1), Inked_4 (AU7), MiniBagel_4 (AU1), Tenno_4 (AU1), Westerlin_4 (AU1), Zippen_4 (AU7),

Start 2:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 4 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Issa_3 (AU1), LucySwiss_3 (AU1), Nightmare_3 (AU1), Teacup_4 (AU1),

Start 3:
• Found in 8 of 20 (40.0%) of genes in pham
• Manual Annotations of this start: 7 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bouchard_3 (AU2), Chlochlo_3 (AU2), Giantsbane_3 (AU2), LilHuddy_3 (AU2), Phaby_3 (AU2), Shepard_3 (AU2), Tipton_3 (AU2), Tokki_3 (AU2),

Summary by clusters:

There are 4 clusters represented in this pham: AU1, AU2, AU4, AU7,

Info for manual annotations of cluster AU1:
•Start number 1 was manually annotated 3 times for cluster AU1.
•Start number 2 was manually annotated 4 times for cluster AU1.

Info for manual annotations of cluster AU2:
•Start number 3 was manually annotated 7 times for cluster AU2.

Info for manual annotations of cluster AU7:
•Start number 1 was manually annotated 2 times for cluster AU7.

Gene Information:

Gene: Anandi_6 Start: 1644, Stop: 2735, Start Num: 1
Candidate Starts for Anandi_6:
(Start: 1 @1644 has 5 MA's), (4, 1749), (6, 1836), (12, 2139), (14, 2277),

Gene: Bouchard_3 Start: 1397, Stop: 2491, Start Num: 3
Candidate Starts for Bouchard_3:
(Start: 3 @1397 has 7 MA's), (9, 1823), (14, 2018), (18, 2273),

Gene: CapnMurica_4 Start: 2789, Stop: 3742, Start Num: 1
Candidate Starts for CapnMurica_4:
(Start: 1 @2789 has 5 MA's), (7, 3149), (8, 3209), (11, 3281), (13, 3344), (16, 3599), (17, 3632), (18, 3647),

Gene: Chlochlo_3 Start: 1398, Stop: 2492, Start Num: 3
Candidate Starts for Chlochlo_3:

(Start: 3 @1398 has 7 MA's), (9, 1824), (14, 2019), (18, 2274),

Gene: Dinallo_4 Start: 2789, Stop: 3742, Start Num: 1
Candidate Starts for Dinallo_4:
(Start: 1 @2789 has 5 MA's), (7, 3149), (8, 3209), (9, 3218), (11, 3281), (13, 3344), (17, 3632), (18, 3647),

Gene: Giantsbane_3 Start: 1398, Stop: 2492, Start Num: 3
Candidate Starts for Giantsbane_3:
(Start: 3 @1398 has 7 MA's), (14, 2019), (18, 2274),

Gene: Inked_4 Start: 1655, Stop: 2740, Start Num: 1
Candidate Starts for Inked_4:
(Start: 1 @1655 has 5 MA's), (16, 2465),

Gene: Issa_3 Start: 1538, Stop: 2491, Start Num: 2
Candidate Starts for Issa_3:
(Start: 2 @1538 has 4 MA's), (5, 1664), (15, 2243),

Gene: LilHuddy_3 Start: 1398, Stop: 2501, Start Num: 3
Candidate Starts for LilHuddy_3:
(Start: 3 @1398 has 7 MA's), (9, 1824), (10, 1851), (14, 2019), (18, 2283), (19, 2454),

Gene: LucySwiss_3 Start: 1557, Stop: 2510, Start Num: 2
Candidate Starts for LucySwiss_3:
(Start: 2 @1557 has 4 MA's), (5, 1683), (15, 2262),

Gene: MiniBagel_4 Start: 2789, Stop: 3742, Start Num: 1
Candidate Starts for MiniBagel_4:
(Start: 1 @2789 has 5 MA's), (7, 3149), (8, 3209), (11, 3281), (13, 3344), (16, 3599), (17, 3632), (18, 3647),

Gene: Nightmare_3 Start: 1557, Stop: 2510, Start Num: 2
Candidate Starts for Nightmare_3:
(Start: 2 @1557 has 4 MA's), (5, 1683), (15, 2262),

Gene: Phaby_3 Start: 1397, Stop: 2491, Start Num: 3
Candidate Starts for Phaby_3:
(Start: 3 @1397 has 7 MA's), (9, 1823), (14, 2018), (18, 2273),

Gene: Shepard_3 Start: 1398, Stop: 2501, Start Num: 3
Candidate Starts for Shepard_3:
(Start: 3 @1398 has 7 MA's), (9, 1824), (14, 2019), (18, 2283), (19, 2454),

Gene: Teacup_4 Start: 1538, Stop: 2491, Start Num: 2
Candidate Starts for Teacup_4:
(Start: 2 @1538 has 4 MA's), (5, 1664), (15, 2243),

Gene: Tenno_4 Start: 2789, Stop: 3742, Start Num: 1
Candidate Starts for Tenno_4:
(Start: 1 @2789 has 5 MA's), (7, 3149), (8, 3209), (11, 3281), (13, 3344), (16, 3599), (17, 3632), (18, 3647),

Gene: Tipton_3 Start: 1398, Stop: 2492, Start Num: 3
Candidate Starts for Tipton_3:
(Start: 3 @1398 has 7 MA's), (9, 1824), (14, 2019), (18, 2274),

Gene: Tokki_3 Start: 1398, Stop: 2501, Start Num: 3
Candidate Starts for Tokki_3:
(Start: 3 @1398 has 7 MA's), (9, 1824), (18, 2283),

Gene: Westerlin_4 Start: 2789, Stop: 3745, Start Num: 1
Candidate Starts for Westerlin_4:
(Start: 1 @2789 has 5 MA's), (5, 2918), (15, 3497),

Gene: Zippen_4 Start: 1656, Stop: 2741, Start Num: 1
Candidate Starts for Zippen_4:
(Start: 1 @1656 has 5 MA's), (16, 2466),