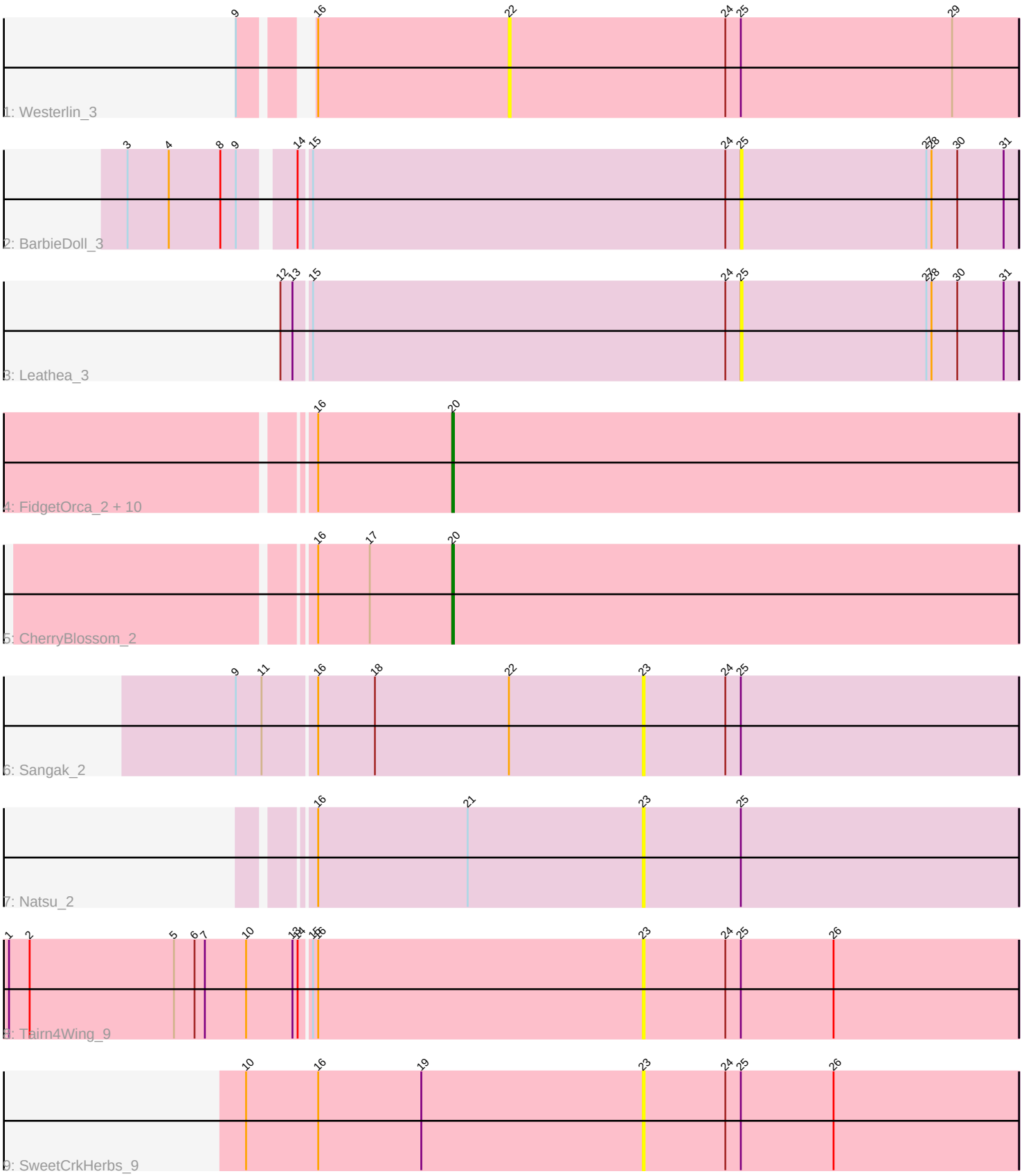
Pham 348083


9
16
22
24
25
29
1: Westerlin_3
3
4
8
9
14
15
24
25
27
28
30
31
2: BarbieDoll_3
12
13
15
24
25
27
28
30
31
3: Leathea_3
16
20
4: FidgetOrca_2 + 10
16
17
20
5: CherryBlossom_2
9
11
16
18
22
23
24
25
6: Sangak_2
16
21
23
25
7: Natsu_2
1
2
5
6
7
10
23
24
25
26
8: Tairn4Wing_9
10
16
19
23
24
25
26
9: SweetCrkHerbs_9

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 348083 Report

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

Pham number 348083 has 19 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Westerlin_3
• Track 2 : BarbieDoll_3
• Track 3 : Leathea_3
• Track 4 : FidgetOrca_2, Hoshi_2, Jaylociraptor_2, IceWarrior_2, OlympicHelado_2, Namo_2, Spectropatronm_2, TaidaOne_2, Meibysrarus_2, Indigenous_2, Rima_2
• Track 5 : CherryBlossom_2
• Track 6 : Sangak_2
• Track 7 : Natsu_2
• Track 8 : Tairn4Wing_9
• Track 9 : SweetCrkHerbs_9

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

The start number called the most often in the published annotations is 20, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CherryBlossom_2, FidgetOrca_2, Hoshi_2, IceWarrior_2, Indigenous_2, Jaylociraptor_2, Meibysrarus_2, Namo_2, OlympicHelado_2, Rima_2, Spectropatronm_2, TaidaOne_2,

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

Genes that do not have the "Most Annotated" start:
• BarbieDoll_3, Leathea_3, Natsu_2, Sangak_2, SweetCrkHerbs_9, Tairn4Wing_9, Westerlin_3,

Summary by start number:

Start 20:
• Found in 12 of 19 (63.2%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 100.0% of time when present

• Phage (with cluster) where this start called: CherryBlossom_2 (BI1), FidgetOrca_2 (BI1), Hoshi_2 (BI1), IceWarrior_2 (BI1), Indigenous_2 (BI1), Jaylociraptor_2 (BI1), Meibysrarus_2 (BI1), Namo_2 (BI1), OlympicHelado_2 (BI1), Rima_2 (BI1), Spectropatronm_2 (BI1), TaidaOne_2 (BI1),

Start 22:
• Found in 2 of 19 (10.5%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Westerlin_3 (AU1),

Start 23:
• Found in 4 of 19 (21.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Natsu_2 (BI2), Sangak_2 (BI2), SweetCrkHerbs_9 (DJ), Tairn4Wing_9 (DJ),

Start 25:
• Found in 7 of 19 (36.8%) of genes in pham
• No Manual Annotations of this start.
• Called 28.6% of time when present
• Phage (with cluster) where this start called: BarbieDoll_3 (AU6), Leathea_3 (AU6),

Summary by clusters:

There are 5 clusters represented in this pham: AU1, DJ, BI1, BI2, AU6,

Info for manual annotations of cluster BI1:
•Start number 20 was manually annotated 12 times for cluster BI1.

Gene Information:

Gene: BarbieDoll_3 Start: 1350, Stop: 1511, Start Num: 25
Candidate Starts for BarbieDoll_3:
(3, 1005), (4, 1029), (8, 1059), (9, 1068), (14, 1095), (15, 1101), (24, 1341), (25, 1350), (27, 1458), (28, 1461), (30, 1476), (31, 1503),

Gene: CherryBlossom_2 Start: 563, Stop: 892, Start Num: 20
Candidate Starts for CherryBlossom_2:
(16, 485), (17, 515), (Start: 20 @563 has 12 MA's),

Gene: FidgetOrca_2 Start: 563, Stop: 892, Start Num: 20
Candidate Starts for FidgetOrca_2:
(16, 485), (Start: 20 @563 has 12 MA's),

Gene: Hoshi_2 Start: 563, Stop: 892, Start Num: 20

Candidate Starts for Hoshi_2:
(16, 485), (Start: 20 @563 has 12 MA's),

Gene: IceWarrior_2 Start: 563, Stop: 892, Start Num: 20
Candidate Starts for IceWarrior_2:
(16, 485), (Start: 20 @563 has 12 MA's),

Gene: Indigenous_2 Start: 563, Stop: 892, Start Num: 20
Candidate Starts for Indigenous_2:
(16, 485), (Start: 20 @563 has 12 MA's),

Gene: Jaylociraptor_2 Start: 563, Stop: 892, Start Num: 20
Candidate Starts for Jaylociraptor_2:
(16, 485), (Start: 20 @563 has 12 MA's),

Gene: Leathea_3 Start: 1243, Stop: 1404, Start Num: 25
Candidate Starts for Leathea_3:
(12, 979), (13, 985), (15, 994), (24, 1234), (25, 1243), (27, 1351), (28, 1354), (30, 1369), (31, 1396),

Gene: Meibysrarus_2 Start: 563, Stop: 892, Start Num: 20
Candidate Starts for Meibysrarus_2:
(16, 485), (Start: 20 @563 has 12 MA's),

Gene: Namo_2 Start: 563, Stop: 892, Start Num: 20
Candidate Starts for Namo_2:
(16, 485), (Start: 20 @563 has 12 MA's),

Gene: Natsu_2 Start: 631, Stop: 849, Start Num: 23
Candidate Starts for Natsu_2:
(16, 442), (21, 529), (23, 631), (25, 688),

Gene: OlympicHelado_2 Start: 563, Stop: 892, Start Num: 20
Candidate Starts for OlympicHelado_2:
(16, 485), (Start: 20 @563 has 12 MA's),

Gene: Rima_2 Start: 563, Stop: 892, Start Num: 20
Candidate Starts for Rima_2:
(16, 485), (Start: 20 @563 has 12 MA's),

Gene: Sangak_2 Start: 673, Stop: 891, Start Num: 23
Candidate Starts for Sangak_2:
(9, 439), (11, 454), (16, 484), (18, 517), (22, 595), (23, 673), (24, 721), (25, 730),

Gene: Spectropatronm_2 Start: 563, Stop: 892, Start Num: 20
Candidate Starts for Spectropatronm_2:
(16, 485), (Start: 20 @563 has 12 MA's),

Gene: SweetCrkHerbs_9 Start: 3772, Stop: 3990, Start Num: 23
Candidate Starts for SweetCrkHerbs_9:
(10, 3541), (16, 3583), (19, 3643), (23, 3772), (24, 3820), (25, 3829), (26, 3883),

Gene: TaidaOne_2 Start: 563, Stop: 892, Start Num: 20
Candidate Starts for TaidaOne_2:

(16, 485), (Start: 20 @563 has 12 MA's),

Gene: Tairn4Wing_9 Start: 3569, Stop: 3787, Start Num: 23
Candidate Starts for Tairn4Wing_9:
(1, 3203), (2, 3215), (5, 3299), (6, 3311), (7, 3317), (10, 3341), (13, 3368), (14, 3371), (15, 3377), (16, 3380), (23, 3569), (24, 3617), (25, 3626), (26, 3680),

Gene: Westerlin_3 Start: 2472, Stop: 2768, Start Num: 22
Candidate Starts for Westerlin_3:
(9, 2331), (16, 2361), (22, 2472), (24, 2598), (25, 2607), (29, 2730),