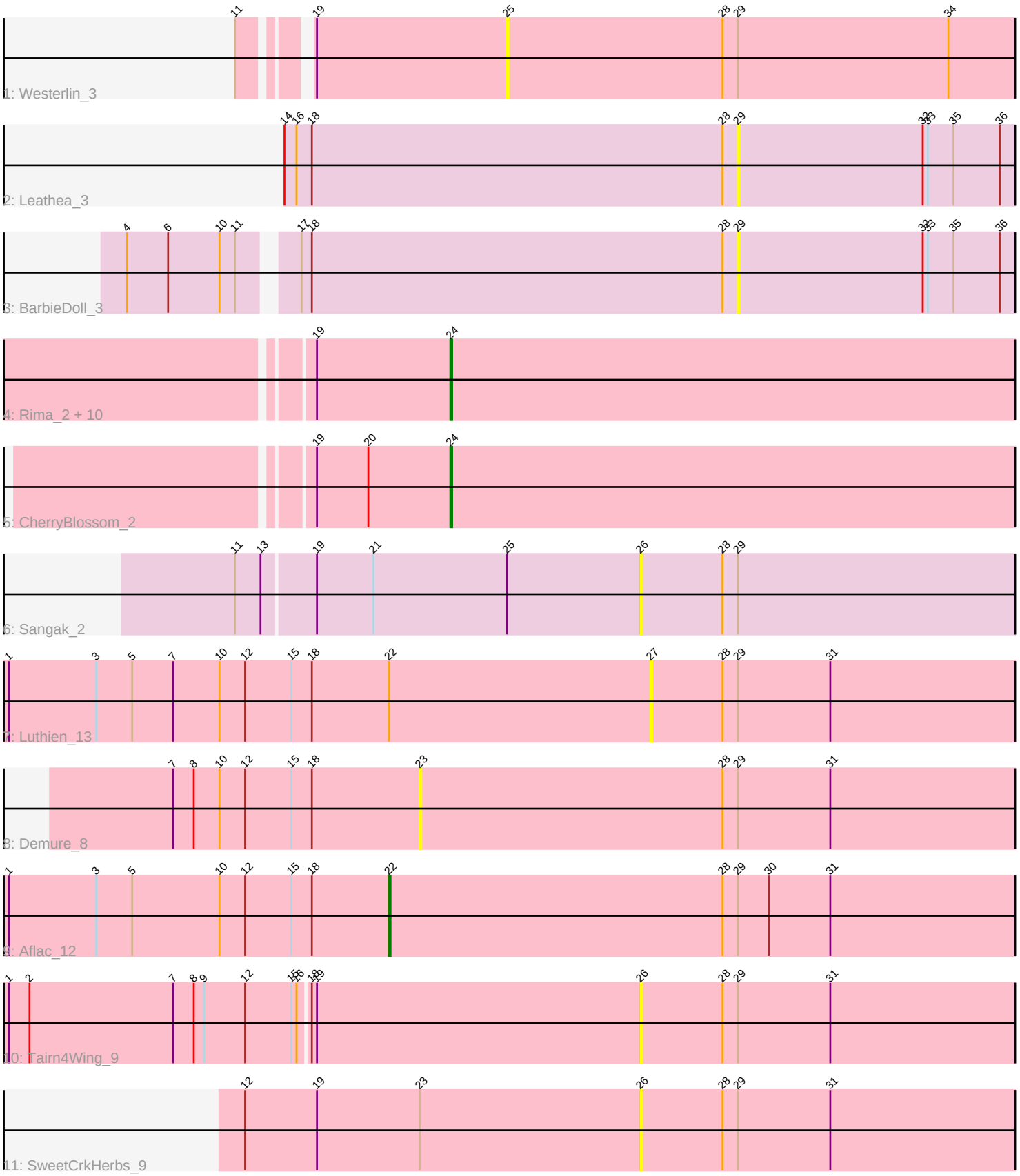
Pham 305326


11
19
25
28
29
34
1: Westerlin_3
14
16
18
28
29
32
33
35
36
2: Leathea_3
4
6
10
11
17
18
28
29
32
33
35
36
3: BarbieDoll_3
19
24
4: Rima_2 + 10
19
20
24
5: CherryBlossom_2
11
13
19
21
25
26
28
29
6: Sangak_2
1
3
5
7
10
12
15
18
22
27
28
29
31
7: Luthien_13
7
8
10
12
15
18
23
28
29
31
8: Demure_8
1
3
5
10
12
15
18
22
28
29
30
31
9: Aflac_12
1
2
7
8
9
12
15
16
18
19
26
28
29
31
10: Tairn4Wing_9
12
19
23
26
28
29
31
11: 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 305326 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305326 has 21 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Westerlin_3
• Track 2 : Leathea_3
• Track 3 : BarbieDoll_3
• Track 4 : Rima_2, FidgetOrca_2, Hoshi_2, Jaylociraptor_2, IceWarrior_2, OlympicHelado_2, Namo_2, Spectropatronm_2, TaidaOne_2, Meibysrarus_2, Indigenous_2
• Track 5 : CherryBlossom_2
• Track 6 : Sangak_2
• Track 7 : Luthien_13
• Track 8 : Demure_8
• Track 9 : Aflac_12
• Track 10 : Tairn4Wing_9
• Track 11 : 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 24, it was called in 12 of the 13 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:
• Aflac_12, BarbieDoll_3, Demure_8, Leathea_3, Luthien_13, Sangak_2, SweetCrkHerbs_9, Tairn4Wing_9, Westerlin_3,

Summary by start number:

Start 22:

• Found in 2 of 21 (9.5%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Aflac_12 (DJ),

Start 23:
• Found in 2 of 21 (9.5%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Demure_8 (DJ),

Start 24:
• Found in 12 of 21 (57.1%) of genes in pham
• Manual Annotations of this start: 12 of 13
• 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 25:
• Found in 2 of 21 (9.5%) 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 26:
• Found in 3 of 21 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sangak_2 (BI2), SweetCrkHerbs_9 (DJ), Tairn4Wing_9 (DJ),

Start 27:
• Found in 1 of 21 (4.8%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Luthien_13 (DJ),

Start 29:
• Found in 9 of 21 (42.9%) of genes in pham
• No Manual Annotations of this start.
• Called 22.2% 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, AU6, BI2, BI1,

Info for manual annotations of cluster BI1:
•Start number 24 was manually annotated 12 times for cluster BI1.

Info for manual annotations of cluster DJ:
•Start number 22 was manually annotated 1 time for cluster DJ.

Gene Information:

Gene: Aflac_12 Start: 6272, Stop: 6637, Start Num: 22
Candidate Starts for Aflac_12:
(1, 6050), (3, 6101), (5, 6122), (10, 6173), (12, 6188), (15, 6215), (18, 6227), (Start: 22 @6272 has 1 MA's), (28, 6467), (29, 6476), (30, 6494), (31, 6530),

Gene: BarbieDoll_3 Start: 1350, Stop: 1511, Start Num: 29
Candidate Starts for BarbieDoll_3:
(4, 1005), (6, 1029), (10, 1059), (11, 1068), (17, 1095), (18, 1101), (28, 1341), (29, 1350), (32, 1458), (33, 1461), (35, 1476), (36, 1503),

Gene: CherryBlossom_2 Start: 563, Stop: 892, Start Num: 24
Candidate Starts for CherryBlossom_2:
(19, 485), (20, 515), (Start: 24 @563 has 12 MA's),

Gene: Demure_8 Start: 3872, Stop: 4219, Start Num: 23
Candidate Starts for Demure_8:
(7, 3728), (8, 3740), (10, 3755), (12, 3770), (15, 3797), (18, 3809), (23, 3872), (28, 4049), (29, 4058), (31, 4112),

Gene: FidgetOrca_2 Start: 563, Stop: 892, Start Num: 24
Candidate Starts for FidgetOrca_2:
(19, 485), (Start: 24 @563 has 12 MA's),

Gene: Hoshi_2 Start: 563, Stop: 892, Start Num: 24
Candidate Starts for Hoshi_2:
(19, 485), (Start: 24 @563 has 12 MA's),

Gene: IceWarrior_2 Start: 563, Stop: 892, Start Num: 24
Candidate Starts for IceWarrior_2:
(19, 485), (Start: 24 @563 has 12 MA's),

Gene: Indigenous_2 Start: 563, Stop: 892, Start Num: 24
Candidate Starts for Indigenous_2:
(19, 485), (Start: 24 @563 has 12 MA's),

Gene: Jaylociraptor_2 Start: 563, Stop: 892, Start Num: 24
Candidate Starts for Jaylociraptor_2:
(19, 485), (Start: 24 @563 has 12 MA's),

Gene: Leathea_3 Start: 1243, Stop: 1404, Start Num: 29
Candidate Starts for Leathea_3:
(14, 979), (16, 985), (18, 994), (28, 1234), (29, 1243), (32, 1351), (33, 1354), (35, 1369), (36, 1396),

Gene: Luthien_13 Start: 6417, Stop: 6629, Start Num: 27

Candidate Starts for Luthien_13:
(1, 6042), (3, 6093), (5, 6114), (7, 6138), (10, 6165), (12, 6180), (15, 6207), (18, 6219), (Start: 22 @6264 has 1 MA's), (27, 6417), (28, 6459), (29, 6468), (31, 6522),

Gene: Meibysrarus_2 Start: 563, Stop: 892, Start Num: 24
Candidate Starts for Meibysrarus_2:
(19, 485), (Start: 24 @563 has 12 MA's),

Gene: Namo_2 Start: 563, Stop: 892, Start Num: 24
Candidate Starts for Namo_2:
(19, 485), (Start: 24 @563 has 12 MA's),

Gene: OlympicHelado_2 Start: 563, Stop: 892, Start Num: 24
Candidate Starts for OlympicHelado_2:
(19, 485), (Start: 24 @563 has 12 MA's),

Gene: Rima_2 Start: 563, Stop: 892, Start Num: 24
Candidate Starts for Rima_2:
(19, 485), (Start: 24 @563 has 12 MA's),

Gene: Sangak_2 Start: 673, Stop: 891, Start Num: 26
Candidate Starts for Sangak_2:
(11, 439), (13, 454), (19, 484), (21, 517), (25, 595), (26, 673), (28, 721), (29, 730),

Gene: Spectropatronm_2 Start: 563, Stop: 892, Start Num: 24
Candidate Starts for Spectropatronm_2:
(19, 485), (Start: 24 @563 has 12 MA's),

Gene: SweetCrkHerbs_9 Start: 3772, Stop: 3990, Start Num: 26
Candidate Starts for SweetCrkHerbs_9:
(12, 3541), (19, 3583), (23, 3643), (26, 3772), (28, 3820), (29, 3829), (31, 3883),

Gene: TaidaOne_2 Start: 563, Stop: 892, Start Num: 24
Candidate Starts for TaidaOne_2:
(19, 485), (Start: 24 @563 has 12 MA's),

Gene: Tairn4Wing_9 Start: 3569, Stop: 3787, Start Num: 26
Candidate Starts for Tairn4Wing_9:
(1, 3203), (2, 3215), (7, 3299), (8, 3311), (9, 3317), (12, 3341), (15, 3368), (16, 3371), (18, 3377), (19, 3380), (26, 3569), (28, 3617), (29, 3626), (31, 3680),

Gene: Westerlin_3 Start: 2472, Stop: 2768, Start Num: 25
Candidate Starts for Westerlin_3:
(11, 2331), (19, 2361), (25, 2472), (28, 2598), (29, 2607), (34, 2730),