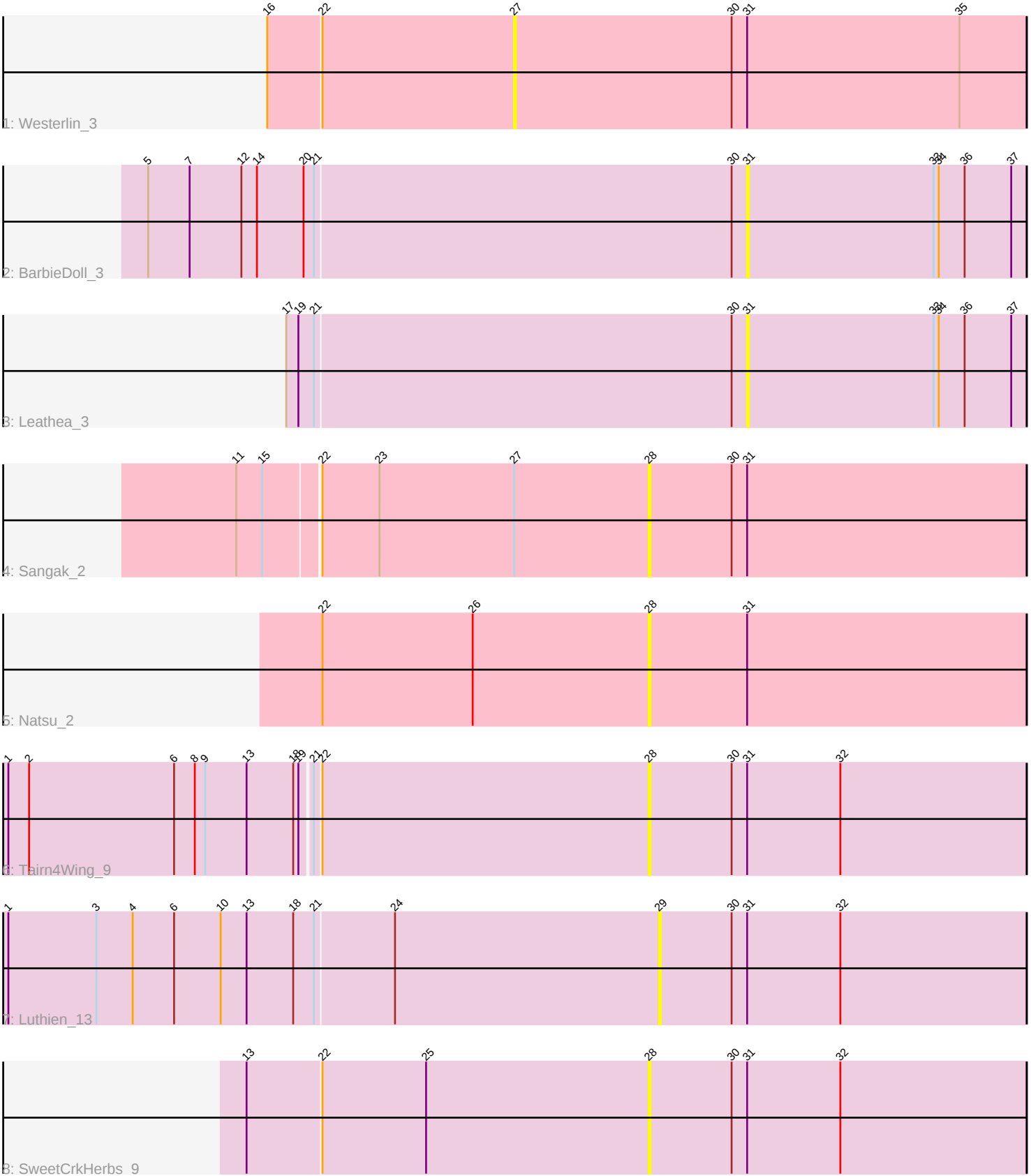


Pham 331553



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 331553 Report

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

Pham number 331553 has 8 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Westerlin_3
- Track 2 : BarbieDoll_3
- Track 3 : Leathea_3
- Track 4 : Sangak_2
- Track 5 : Natsu_2
- Track 6 : Tairn4Wing_9
- Track 7 : Luthien_13
- Track 8 : SweetCrkHerbs_9

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

This pham is comprised of all draft annotations. There are no annotations to summarize.

Summary by start number:

Start 27:

- Found in 2 of 8 (25.0%) 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 28:

- Found in 4 of 8 (50.0%) 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 29:

- Found in 1 of 8 (12.5%) 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 31:

- Found in 8 of 8 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: BarbieDoll_3 (AU6), Leathea_3 (AU6),

Summary by clusters:

There are 4 clusters represented in this pham: AU1, DJ, BI2, AU6,

Gene Information:

Gene: BarbieDoll_3 Start: 1350, Stop: 1511, Start Num: 31

Candidate Starts for BarbieDoll_3:

(5, 1005), (7, 1029), (12, 1059), (14, 1068), (20, 1095), (21, 1101), (30, 1341), (31, 1350), (33, 1458), (34, 1461), (36, 1476), (37, 1503),

Gene: Leathea_3 Start: 1243, Stop: 1404, Start Num: 31

Candidate Starts for Leathea_3:

(17, 979), (19, 985), (21, 994), (30, 1234), (31, 1243), (33, 1351), (34, 1354), (36, 1369), (37, 1396),

Gene: Luthien_13 Start: 6417, Stop: 6629, Start Num: 29

Candidate Starts for Luthien_13:

(1, 6042), (3, 6093), (4, 6114), (6, 6138), (10, 6165), (13, 6180), (18, 6207), (21, 6219), (24, 6264), (29, 6417), (30, 6459), (31, 6468), (32, 6522),

Gene: Natsu_2 Start: 631, Stop: 849, Start Num: 28

Candidate Starts for Natsu_2:

(22, 442), (26, 529), (28, 631), (31, 688),

Gene: Sangak_2 Start: 673, Stop: 891, Start Num: 28

Candidate Starts for Sangak_2:

(11, 439), (15, 454), (22, 484), (23, 517), (27, 595), (28, 673), (30, 721), (31, 730),

Gene: SweetCrkHerbs_9 Start: 3772, Stop: 3990, Start Num: 28

Candidate Starts for SweetCrkHerbs_9:

(13, 3541), (22, 3583), (25, 3643), (28, 3772), (30, 3820), (31, 3829), (32, 3883),

Gene: Tairn4Wing_9 Start: 3569, Stop: 3787, Start Num: 28

Candidate Starts for Tairn4Wing_9:

(1, 3203), (2, 3215), (6, 3299), (8, 3311), (9, 3317), (13, 3341), (18, 3368), (19, 3371), (21, 3377), (22, 3380), (28, 3569), (30, 3617), (31, 3626), (32, 3680),

Gene: Westerlin_3 Start: 2472, Stop: 2768, Start Num: 27

Candidate Starts for Westerlin_3:

(16, 2331), (22, 2361), (27, 2472), (30, 2598), (31, 2607), (35, 2730),