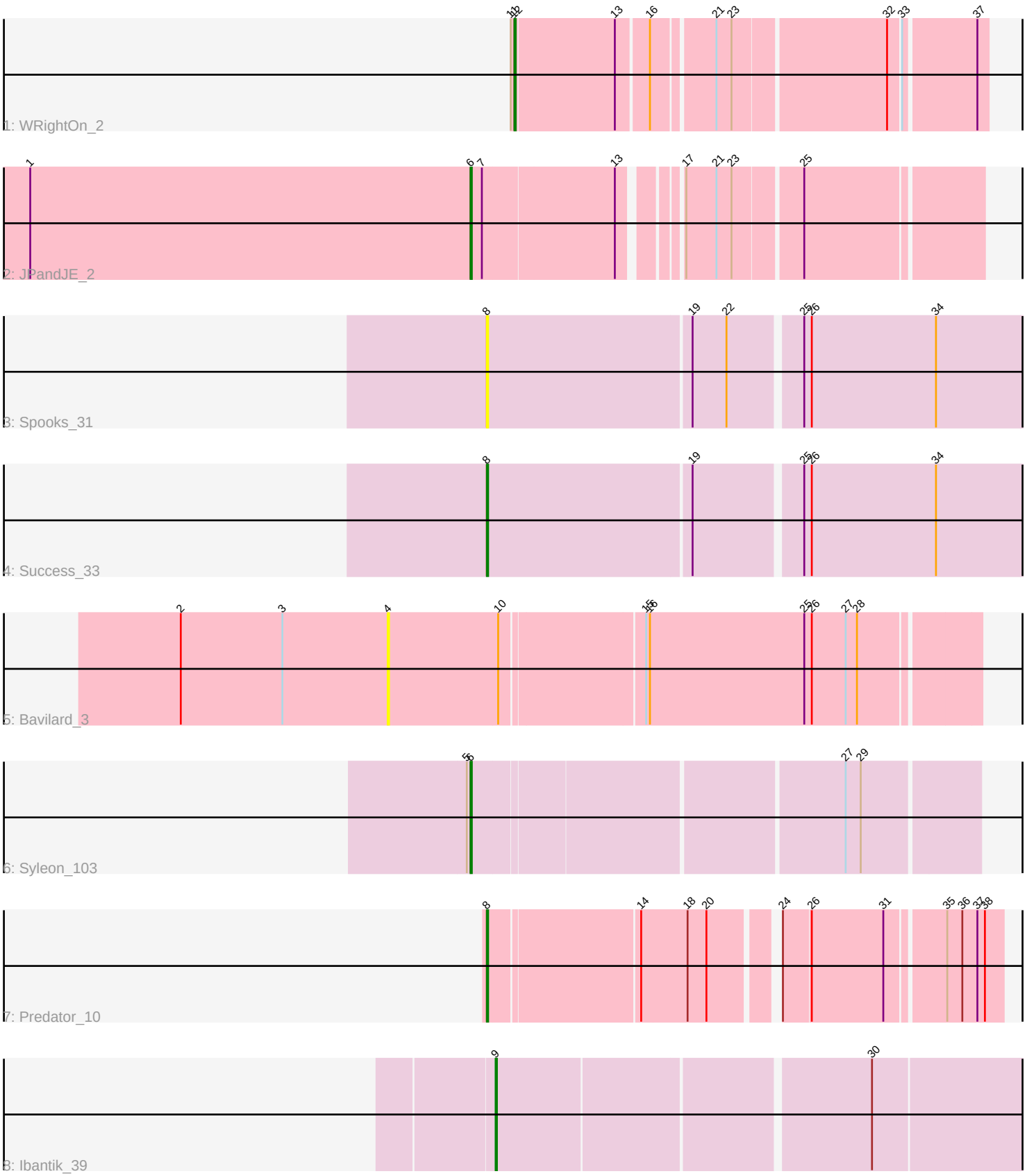
Pham 216859


1: WRightOn_2
2: JPandJE_2
3: Spooks_31
4: Success_33
5: Bavilard_3
6: Syleon_103
7: Predator_10
8: Ibantik_39

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 216859 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216859 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : WRightOn_2
• Track 2 : JPandJE_2
• Track 3 : Spooks_31
• Track 4 : Success_33
• Track 5 : Bavilard_3
• Track 6 : Syleon_103
• Track 7 : Predator_10
• Track 8 : Ibantik_39

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

The start number called the most often in the published annotations is 8, it was called in 2 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Predator_10, Spooks_31, Success_33,

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

Genes that do not have the "Most Annotated" start:
• Bavilard_3, Ibantik_39, JPandJE_2, Syleon_103, WRightOn_2,

Summary by start number:

Start 4:
• 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: Bavilard_3 (CT),

Start 6:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 6

• Called 100.0% of time when present
• Phage (with cluster) where this start called: JPandJE_2 (BF), Syleon_103 (DU1),

Start 8:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Predator_10 (H1), Spooks_31 (BT), Success_33 (BT),

Start 9:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ibantik_39 (singleton),

Start 12:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: WRightOn_2 (BF),

Summary by clusters:

There are 6 clusters represented in this pham: BF, H1, singleton, BT, DU1, CT,

Info for manual annotations of cluster BF:
•Start number 6 was manually annotated 1 time for cluster BF.
•Start number 12 was manually annotated 1 time for cluster BF.

Info for manual annotations of cluster BT:
•Start number 8 was manually annotated 1 time for cluster BT.

Info for manual annotations of cluster DU1:
•Start number 6 was manually annotated 1 time for cluster DU1.

Info for manual annotations of cluster H1:
•Start number 8 was manually annotated 1 time for cluster H1.

Gene Information:

Gene: Bavilard_3 Start: 956, Stop: 1408, Start Num: 4
Candidate Starts for Bavilard_3:
(2, 791), (3, 872), (4, 956), (10, 1043), (15, 1151), (16, 1154), (25, 1277), (26, 1283), (27, 1310), (28, 1319),

Gene: Ibantik_39 Start: 18281, Stop: 17859, Start Num: 9
Candidate Starts for Ibantik_39:
(Start: 9 @18281 has 1 MA's), (30, 17999),

Gene: JPandJE_2 Start: 2649, Stop: 3017, Start Num: 6
Candidate Starts for JPandJE_2:
(1, 2298), (Start: 6 @2649 has 2 MA's), (7, 2658), (13, 2760), (17, 2796), (21, 2820), (23, 2832), (25, 2883),

Gene: Predator_10 Start: 6815, Stop: 7189, Start Num: 8
Candidate Starts for Predator_10:
(Start: 8 @6815 has 2 MA's), (14, 6929), (18, 6965), (20, 6980), (24, 7025), (26, 7046), (31, 7103), (35, 7145), (36, 7157), (37, 7169), (38, 7175),

Gene: Spooks_31 Start: 20834, Stop: 20397, Start Num: 8
Candidate Starts for Spooks_31:
(Start: 8 @20834 has 2 MA's), (19, 20675), (22, 20648), (25, 20594), (26, 20588), (34, 20489),

Gene: Success_33 Start: 20053, Stop: 19616, Start Num: 8
Candidate Starts for Success_33:
(Start: 8 @20053 has 2 MA's), (19, 19894), (25, 19813), (26, 19807), (34, 19708),

Gene: Syleon_103 Start: 59026, Stop: 59409, Start Num: 6
Candidate Starts for Syleon_103:
(5, 59023), (Start: 6 @59026 has 2 MA's), (27, 59308), (29, 59320),

Gene: WRightOn_2 Start: 2629, Stop: 2976, Start Num: 12
Candidate Starts for WRightOn_2:
(11, 2626), (Start: 12 @2629 has 1 MA's), (13, 2707), (16, 2731), (21, 2776), (23, 2788), (32, 2905), (33, 2914), (37, 2968),