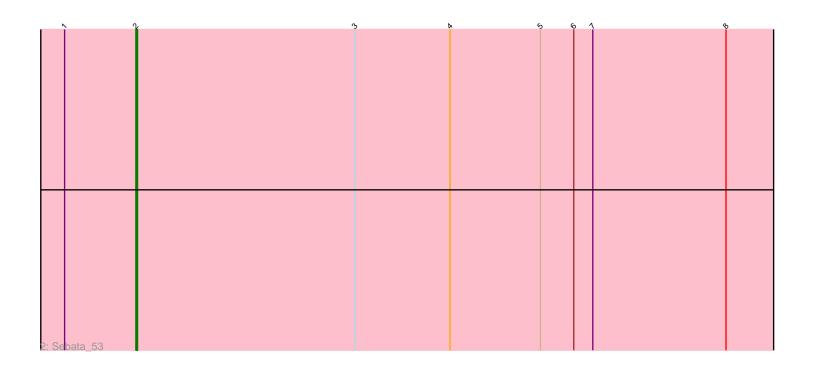# Pham 87256

1: Bxz1_51 + 10

2: Sebata_53

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 87256 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87256 has 12 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Bxz1_51, Breeniome_52, Drazdys_50, Pio_55, Jedediah_51, Kamryn_50, ShiaLabeouf_50, Tortoise16_48, DrPhinkDaddy_50, Gabriel_52, Phusco_50
• Track 2 : Sebata_53

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

The start number called the most often in the published annotations is 2, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Breeniome_52, Bxz1_51, DrPhinkDaddy_50, Drazdys_50, Gabriel_52, Jedediah_51, Kamryn_50, Phusco_50, Pio_55, Sebata_53, ShiaLabeouf_50, Tortoise16_48,

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

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

Summary by start number:

Start 2:
• Found in 12 of 12 (100.0%) 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: Breeniome_52 (C1), Bxz1_51 (C1), DrPhinkDaddy_50 (C1), Drazdys_50 (C1), Gabriel_52 (C1), Jedediah_51 (C1), Kamryn_50 (C1), Phusco_50 (C1), Pio_55 (C1), Sebata_53 (C1), ShiaLabeouf_50 (C1), Tortoise16_48 (C1),

Summary by clusters:

There is one cluster represented in this pham: C1

Info for manual annotations of cluster C1:
•Start number 2 was manually annotated 12 times for cluster C1.

Gene Information:

Gene: Breeniome_52 Start: 15041, Stop: 15628, Start Num: 2
Candidate Starts for Breeniome_52:
(Start: 2 @15041 has 12 MA's), (3, 15179), (4, 15239), (5, 15296), (6, 15317), (7, 15329), (8, 15413),

Gene: Bxz1_51 Start: 16618, Stop: 17205, Start Num: 2
Candidate Starts for Bxz1_51:
(Start: 2 @16618 has 12 MA's), (3, 16756), (4, 16816), (5, 16873), (6, 16894), (7, 16906), (8, 16990),

Gene: DrPhinkDaddy_50 Start: 15905, Stop: 16492, Start Num: 2
Candidate Starts for DrPhinkDaddy_50:
(Start: 2 @15905 has 12 MA's), (3, 16043), (4, 16103), (5, 16160), (6, 16181), (7, 16193), (8, 16277),

Gene: Drazdys_50 Start: 15636, Stop: 16223, Start Num: 2
Candidate Starts for Drazdys_50:
(Start: 2 @15636 has 12 MA's), (3, 15774), (4, 15834), (5, 15891), (6, 15912), (7, 15924), (8, 16008),

Gene: Gabriel_52 Start: 15032, Stop: 15619, Start Num: 2
Candidate Starts for Gabriel_52:
(Start: 2 @15032 has 12 MA's), (3, 15170), (4, 15230), (5, 15287), (6, 15308), (7, 15320), (8, 15404),

Gene: Jedediah_51 Start: 15296, Stop: 15883, Start Num: 2
Candidate Starts for Jedediah_51:
(Start: 2 @15296 has 12 MA's), (3, 15434), (4, 15494), (5, 15551), (6, 15572), (7, 15584), (8, 15668),

Gene: Kamryn_50 Start: 15472, Stop: 16059, Start Num: 2
Candidate Starts for Kamryn_50:
(Start: 2 @15472 has 12 MA's), (3, 15610), (4, 15670), (5, 15727), (6, 15748), (7, 15760), (8, 15844),

Gene: Phusco_50 Start: 15609, Stop: 16196, Start Num: 2
Candidate Starts for Phusco_50:
(Start: 2 @15609 has 12 MA's), (3, 15747), (4, 15807), (5, 15864), (6, 15885), (7, 15897), (8, 15981),

Gene: Pio_55 Start: 17007, Stop: 17594, Start Num: 2
Candidate Starts for Pio_55:
(Start: 2 @17007 has 12 MA's), (3, 17145), (4, 17205), (5, 17262), (6, 17283), (7, 17295), (8, 17379),

Gene: Sebata_53 Start: 16725, Stop: 17312, Start Num: 2
Candidate Starts for Sebata_53:
(1, 16680), (Start: 2 @16725 has 12 MA's), (3, 16863), (4, 16923), (5, 16980), (6, 17001), (7, 17013), (8, 17097),

Gene: ShiaLabeouf_50 Start: 15236, Stop: 15823, Start Num: 2
Candidate Starts for ShiaLabeouf_50:
(Start: 2 @15236 has 12 MA's), (3, 15374), (4, 15434), (5, 15491), (6, 15512), (7, 15524), (8, 15608),

Gene: Tortoise16_48 Start: 15303, Stop: 15890, Start Num: 2
Candidate Starts for Tortoise16_48:
(Start: 2 @15303 has 12 MA's), (3, 15441), (4, 15501), (5, 15558), (6, 15579), (7, 15591), (8, 15675),