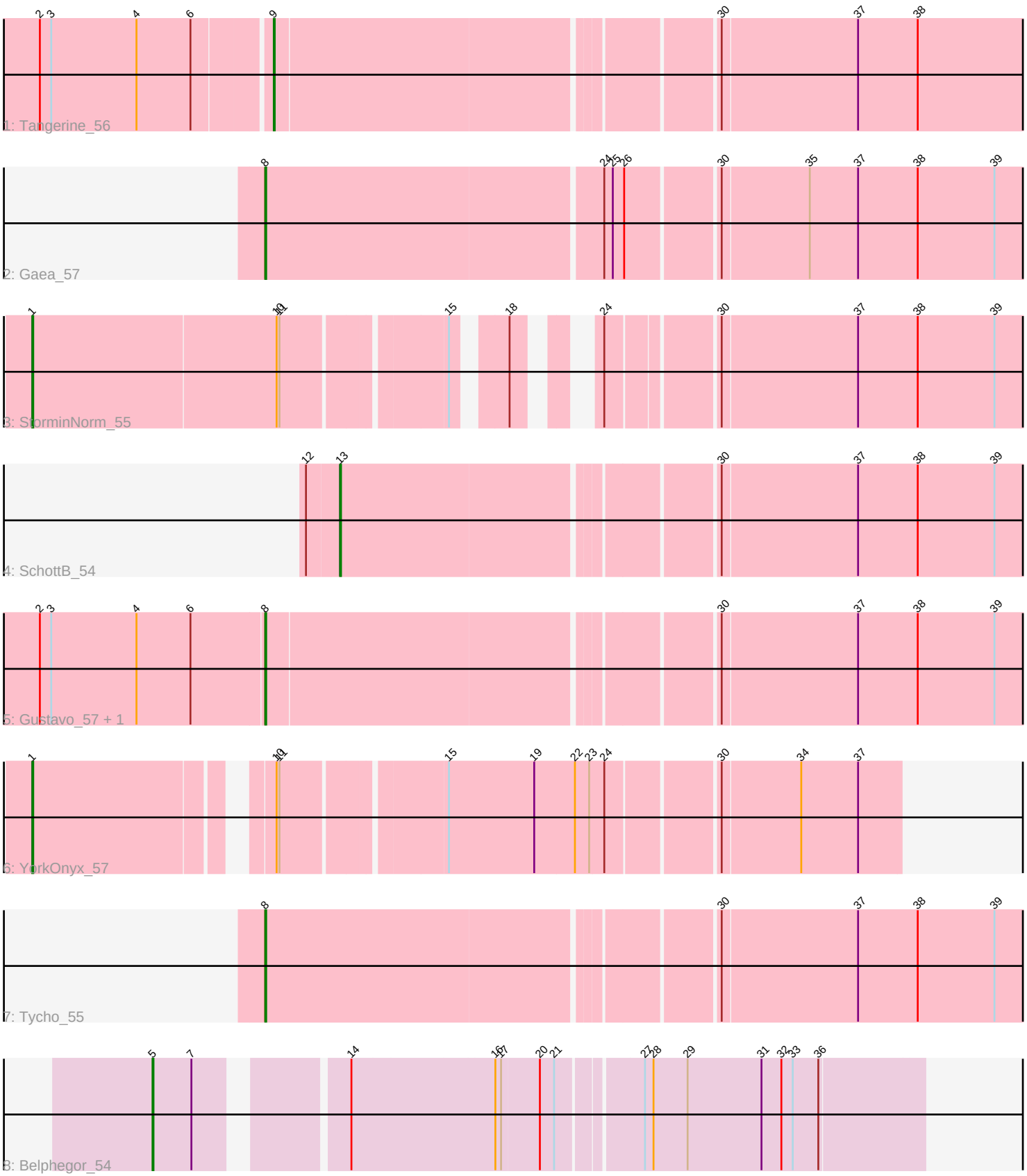
Pham 295352


1: Tangerine_56
2: Gaea_57
3: StorminNorm_55
4: SchottB_54
5: Gustavo_57 + 1
6: YorkOnyx_57
7: Tycho_55
8: Belphegor_54

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 295352 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295352 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Tangerine_56
• Track 2 : Gaea_57
• Track 3 : StorminNorm_55
• Track 4 : SchottB_54
• Track 5 : Gustavo_57, Saronaya_57
• Track 6 : YorkOnyx_57
• Track 7 : Tycho_55
• Track 8 : Belphegor_54

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 4 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Gaea_57, Gustavo_57, Saronaya_57, Tycho_55,

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

Genes that do not have the "Most Annotated" start:
• Belphegor_54, SchottB_54, StorminNorm_55, Tangerine_56, YorkOnyx_57,

Summary by start number:

Start 1:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: StorminNorm_55 (DE1), YorkOnyx_57 (DE1),

Start 5:
• Found in 1 of 9 (11.1%) of genes in pham

• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Belphegor_54 (DE2),

Start 8:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 4 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gaea_57 (DE1), Gustavo_57 (DE1), Saronaya_57 (DE1), Tycho_55 (DE1),

Start 9:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tangerine_56 (DE1),

Start 13:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SchottB_54 (DE1),

Summary by clusters:

There are 2 clusters represented in this pham: DE1, DE2,

Info for manual annotations of cluster DE1:
•Start number 1 was manually annotated 2 times for cluster DE1.
•Start number 8 was manually annotated 4 times for cluster DE1.
•Start number 9 was manually annotated 1 time for cluster DE1.
•Start number 13 was manually annotated 1 time for cluster DE1.

Info for manual annotations of cluster DE2:
•Start number 5 was manually annotated 1 time for cluster DE2.

Gene Information:

Gene: Belphegor_54 Start: 46167, Stop: 46916, Start Num: 5
Candidate Starts for Belphegor_54:
(Start: 5 @46167 has 1 MA's), (7, 46206), (14, 46338), (16, 46485), (17, 46491), (20, 46530), (21, 46545), (27, 46626), (28, 46635), (29, 46671), (31, 46749), (32, 46770), (33, 46782), (36, 46809),

Gene: Gaea_57 Start: 45626, Stop: 46414, Start Num: 8
Candidate Starts for Gaea_57:
(Start: 8 @45626 has 4 MA's), (24, 45974), (25, 45983), (26, 45995), (30, 46085), (35, 46175), (37, 46226), (38, 46289), (39, 46370),

Gene: Gustavo_57 Start: 46149, Stop: 46925, Start Num: 8
Candidate Starts for Gustavo_57:

(2, 45915), (3, 45927), (4, 46017), (6, 46074), (Start: 8 @46149 has 4 MA's), (30, 46596), (37, 46737), (38, 46800), (39, 46881),

Gene: Saronaya_57 Start: 46149, Stop: 46925, Start Num: 8
Candidate Starts for Saronaya_57:
(2, 45915), (3, 45927), (4, 46017), (6, 46074), (Start: 8 @46149 has 4 MA's), (30, 46596), (37, 46737), (38, 46800), (39, 46881),

Gene: SchottB_54 Start: 46419, Stop: 47117, Start Num: 13
Candidate Starts for SchottB_54:
(12, 46386), (Start: 13 @46419 has 1 MA's), (30, 46788), (37, 46929), (38, 46992), (39, 47073),

Gene: StorminNorm_55 Start: 45626, Stop: 46564, Start Num: 1
Candidate Starts for StorminNorm_55:
(Start: 1 @45626 has 2 MA's), (10, 45881), (11, 45884), (15, 46040), (18, 46082), (24, 46130), (30, 46235), (37, 46376), (38, 46439), (39, 46520),

Gene: Tangerine_56 Start: 45560, Stop: 46327, Start Num: 9
Candidate Starts for Tangerine_56:
(2, 45326), (3, 45338), (4, 45428), (6, 45485), (Start: 9 @45560 has 1 MA's), (30, 45998), (37, 46139), (38, 46202),

Gene: Tycho_55 Start: 45494, Stop: 46273, Start Num: 8
Candidate Starts for Tycho_55:
(Start: 8 @45494 has 4 MA's), (30, 45944), (37, 46085), (38, 46148), (39, 46229),

Gene: YorkOnyx_57 Start: 46072, Stop: 46905, Start Num: 1
Candidate Starts for YorkOnyx_57:
(Start: 1 @46072 has 2 MA's), (10, 46291), (11, 46294), (15, 46450), (19, 46540), (22, 46582), (23, 46597), (24, 46612), (30, 46720), (34, 46801), (37, 46861),