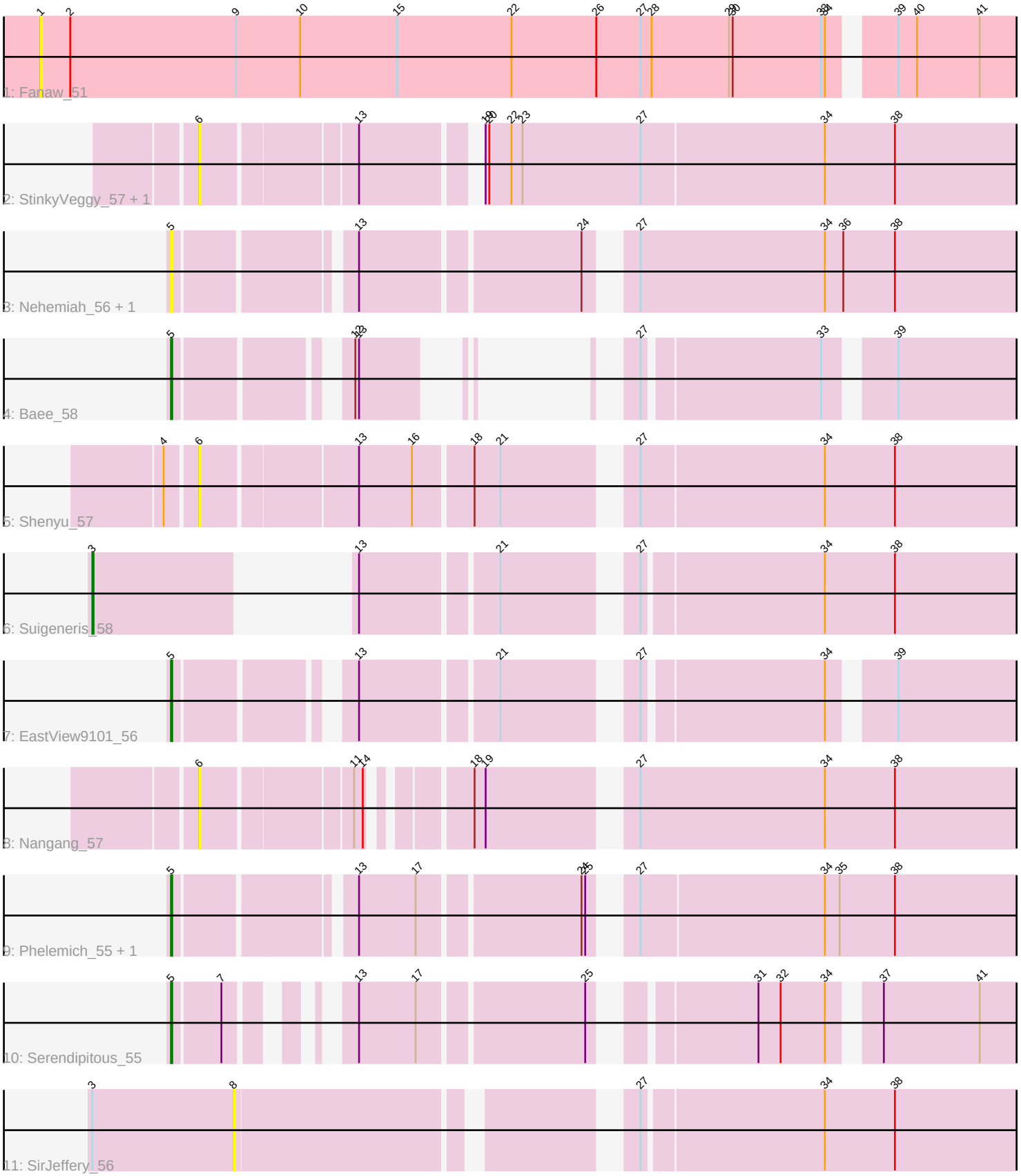
Pham 196948


1: Fanaw_51
2: StinkyVeggy_57 + 1
3: Nehemiah_56 + 1
4: Baee_58
5: Shenyu_57
6: Suigeneris_58
7: EastView9101_56
8: Nangang_57
9: Phelemich_55 + 1
10: Serendipitous_55
11: SirJeffery_56

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 196948 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196948 has 14 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Fanaw_51
• Track 2 : StinkyVeggy_57, KarasumaRum_57
• Track 3 : Nehemiah_56, Mysterious_57
• Track 4 : Baee_58
• Track 5 : Shenyu_57
• Track 6 : Suigeneris_58
• Track 7 : EastView9101_56
• Track 8 : Nangang_57
• Track 9 : Phelemich_55, Reprobate_56
• Track 10 : Serendipitous_55
• Track 11 : SirJeffery_56

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Baee_58, EastView9101_56, Mysterious_57, Nehemiah_56, Phelemich_55, Reprobate_56, Serendipitous_55,

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

Genes that do not have the "Most Annotated" start:
• Fanaw_51, KarasumaRum_57, Nangang_57, Shenyu_57, SirJeffery_56, StinkyVeggy_57, Suigeneris_58,

Summary by start number:

Start 1:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Fanaw_51 (B4),

Start 3:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Suigeneris_58 (B5),

Start 5:
• Found in 7 of 14 (50.0%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Baee_58 (B5), EastView9101_56 (B5), Mysterious_57 (B5), Nehemiah_56 (B5), Phelemich_55 (B5), Reprobate_56 (B5), Serendipitous_55 (B5),

Start 6:
• Found in 4 of 14 (28.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: KarasumaRum_57 (B5), Nangang_57 (B5), Shenyu_57 (B5), StinkyVeggy_57 (B5),

Start 8:
• Found in 1 of 14 (7.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SirJeffery_56 (B5),

Summary by clusters:

There are 2 clusters represented in this pham: B4, B5,

Info for manual annotations of cluster B5:
•Start number 3 was manually annotated 1 time for cluster B5.
•Start number 5 was manually annotated 5 times for cluster B5.

Gene Information:

Gene: Baee_58 Start: 53704, Stop: 53204, Start Num: 5
Candidate Starts for Baee_58:
(Start: 5 @53704 has 5 MA's), (12, 53590), (13, 53587), (27, 53518), (33, 53383), (39, 53338),

Gene: EastView9101_56 Start: 52507, Stop: 51881, Start Num: 5
Candidate Starts for EastView9101_56:
(Start: 5 @52507 has 5 MA's), (13, 52390), (21, 52288), (27, 52198), (34, 52060), (39, 52018),

Gene: Fanaw_51 Start: 51919, Stop: 51119, Start Num: 1
Candidate Starts for Fanaw_51:

(1, 51919), (2, 51895), (9, 51760), (10, 51709), (15, 51631), (22, 51538), (26, 51469), (27, 51433), (28, 51424), (29, 51361), (30, 51358), (33, 51286), (34, 51283), (39, 51241), (40, 51226), (41, 51175),

Gene: KarasumaRum_57 Start: 52746, Stop: 52102, Start Num: 6
Candidate Starts for KarasumaRum_57:
(6, 52746), (13, 52632), (19, 52551), (20, 52548), (22, 52530), (23, 52521), (27, 52425), (34, 52278), (38, 52221),

Gene: Mysterious_57 Start: 52741, Stop: 52097, Start Num: 5
Candidate Starts for Mysterious_57:
(Start: 5 @52741 has 5 MA's), (13, 52615), (24, 52447), (27, 52423), (34, 52273), (36, 52258), (38, 52216),

Gene: Nangang_57 Start: 52928, Stop: 52311, Start Num: 6
Candidate Starts for Nangang_57:
(6, 52928), (11, 52817), (14, 52811), (18, 52748), (19, 52739), (27, 52637), (34, 52487), (38, 52430),

Gene: Nehemiah_56 Start: 52741, Stop: 52097, Start Num: 5
Candidate Starts for Nehemiah_56:
(Start: 5 @52741 has 5 MA's), (13, 52615), (24, 52447), (27, 52423), (34, 52273), (36, 52258), (38, 52216),

Gene: Phelemich_55 Start: 52737, Stop: 52096, Start Num: 5
Candidate Starts for Phelemich_55:
(Start: 5 @52737 has 5 MA's), (13, 52611), (17, 52566), (24, 52443), (25, 52440), (27, 52419), (34, 52272), (35, 52260), (38, 52215),

Gene: Reprobate_56 Start: 52742, Stop: 52101, Start Num: 5
Candidate Starts for Reprobate_56:
(Start: 5 @52742 has 5 MA's), (13, 52616), (17, 52571), (24, 52448), (25, 52445), (27, 52424), (34, 52277), (35, 52265), (38, 52220),

Gene: Serendipitous_55 Start: 51901, Stop: 51308, Start Num: 5
Candidate Starts for Serendipitous_55:
(Start: 5 @51901 has 5 MA's), (7, 51865), (13, 51808), (17, 51763), (25, 51637), (31, 51532), (32, 51514), (34, 51478), (37, 51448), (41, 51370),

Gene: Shenyu_57 Start: 52961, Stop: 52323, Start Num: 6
Candidate Starts for Shenyu_57:
(4, 52985), (6, 52961), (13, 52844), (16, 52802), (18, 52757), (21, 52736), (27, 52646), (34, 52499), (38, 52442),

Gene: SirJeffery_56 Start: 52558, Stop: 51962, Start Num: 8
Candidate Starts for SirJeffery_56:
(Start: 3 @52672 has 1 MA's), (8, 52558), (27, 52279), (34, 52138), (38, 52081),

Gene: StinkyVeggy_57 Start: 52746, Stop: 52102, Start Num: 6
Candidate Starts for StinkyVeggy_57:
(6, 52746), (13, 52632), (19, 52551), (20, 52548), (22, 52530), (23, 52521), (27, 52425), (34, 52278), (38, 52221),

Gene: Suigeneris_58 Start: 52838, Stop: 52212, Start Num: 3
Candidate Starts for Suigeneris_58:

(Start: 3 @52838 has 1 MA's), (13, 52721), (21, 52619), (27, 52529), (34, 52388), (38, 52331),