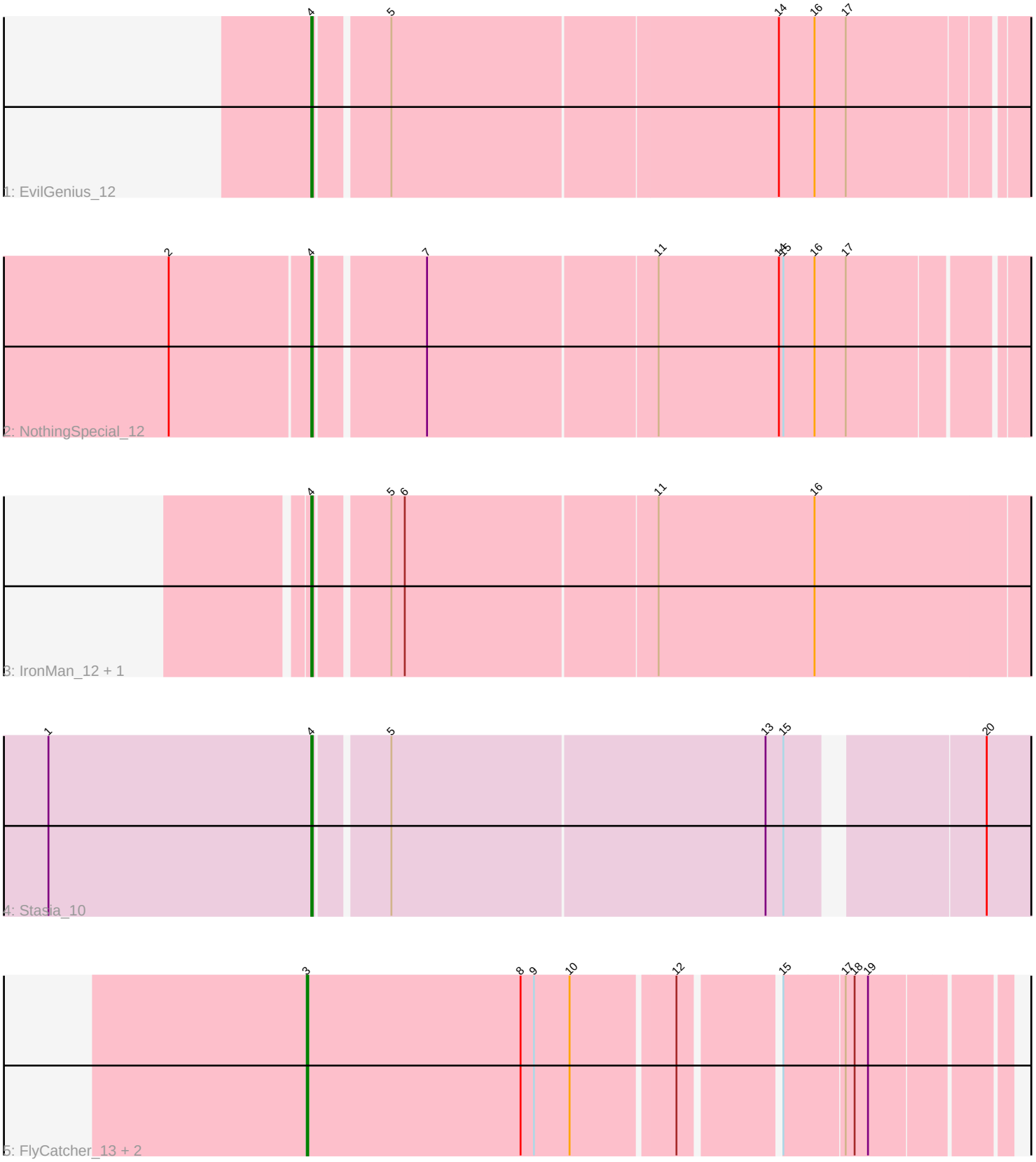
Pham 216832


4
5
14
16
17
1: EvilGenius_12
2
4
7
11
14
15
16
17
2: NothingSpecial_12
4
5
6
11
16
3: IronMan_12 + 1
1
4
5
13
15
20
4: Stasia_10
3
8
9
10
12
15
17
18
19
5: FlyCatcher_13 + 2

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 216832 Report

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

Pham number 216832 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : EvilGenius_12
• Track 2 : NothingSpecial_12
• Track 3 : IronMan_12, Tristan_11
• Track 4 : Stasia_10
• Track 5 : FlyCatcher_13, Toro_12, Sheen_11

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

The start number called the most often in the published annotations is 4, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• EvilGenius_12, IronMan_12, NothingSpecial_12, Stasia_10, Tristan_11,

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

Genes that do not have the "Most Annotated" start:
• FlyCatcher_13, Sheen_11, Toro_12,

Summary by start number:

Start 3:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: FlyCatcher_13 (A7), Sheen_11 (A7), Toro_12 (A7),

Start 4:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present

• Phage (with cluster) where this start called: EvilGenius_12 (A2), IronMan_12 (A2), NothingSpecial_12 (A2), Stasia_10 (A4), Tristan_11 (A2),

Summary by clusters:

There are 3 clusters represented in this pham: A2, A4, A7,

Info for manual annotations of cluster A2:
•Start number 4 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster A4:
•Start number 4 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A7:
•Start number 3 was manually annotated 1 time for cluster A7.

Gene Information:

Gene: EvilGenius_12 Start: 6384, Stop: 6953, Start Num: 4
Candidate Starts for EvilGenius_12:
(Start: 4 @6384 has 4 MA's), (5, 6429), (14, 6684), (16, 6708), (17, 6729),

Gene: FlyCatcher_13 Start: 7094, Stop: 7537, Start Num: 3
Candidate Starts for FlyCatcher_13:
(Start: 3 @7094 has 1 MA's), (8, 7238), (9, 7247), (10, 7271), (12, 7337), (15, 7397), (17, 7436), (18, 7442), (19, 7451),

Gene: IronMan_12 Start: 7666, Stop: 8154, Start Num: 4
Candidate Starts for IronMan_12:
(Start: 4 @7666 has 4 MA's), (5, 7711), (6, 7720), (11, 7885), (16, 7990),

Gene: NothingSpecial_12 Start: 7983, Stop: 8459, Start Num: 4
Candidate Starts for NothingSpecial_12:
(2, 7890), (Start: 4 @7983 has 4 MA's), (7, 8052), (11, 8202), (14, 8283), (15, 8286), (16, 8307), (17, 8328),

Gene: Sheen_11 Start: 7152, Stop: 7595, Start Num: 3
Candidate Starts for Sheen_11:
(Start: 3 @7152 has 1 MA's), (8, 7296), (9, 7305), (10, 7329), (12, 7395), (15, 7455), (17, 7494), (18, 7500), (19, 7509),

Gene: Stasia_10 Start: 5853, Stop: 6326, Start Num: 4
Candidate Starts for Stasia_10:
(1, 5676), (Start: 4 @5853 has 4 MA's), (5, 5898), (13, 6147), (15, 6159), (20, 6276),

Gene: Toro_12 Start: 7094, Stop: 7537, Start Num: 3
Candidate Starts for Toro_12:
(Start: 3 @7094 has 1 MA's), (8, 7238), (9, 7247), (10, 7271), (12, 7337), (15, 7397), (17, 7436), (18, 7442), (19, 7451),

Gene: Tristan_11 Start: 7718, Stop: 8206, Start Num: 4

Candidate Starts for Tristan_11:
(Start: 4 @7718 has 4 MA's), (5, 7763), (6, 7772), (11, 7937), (16, 8042),