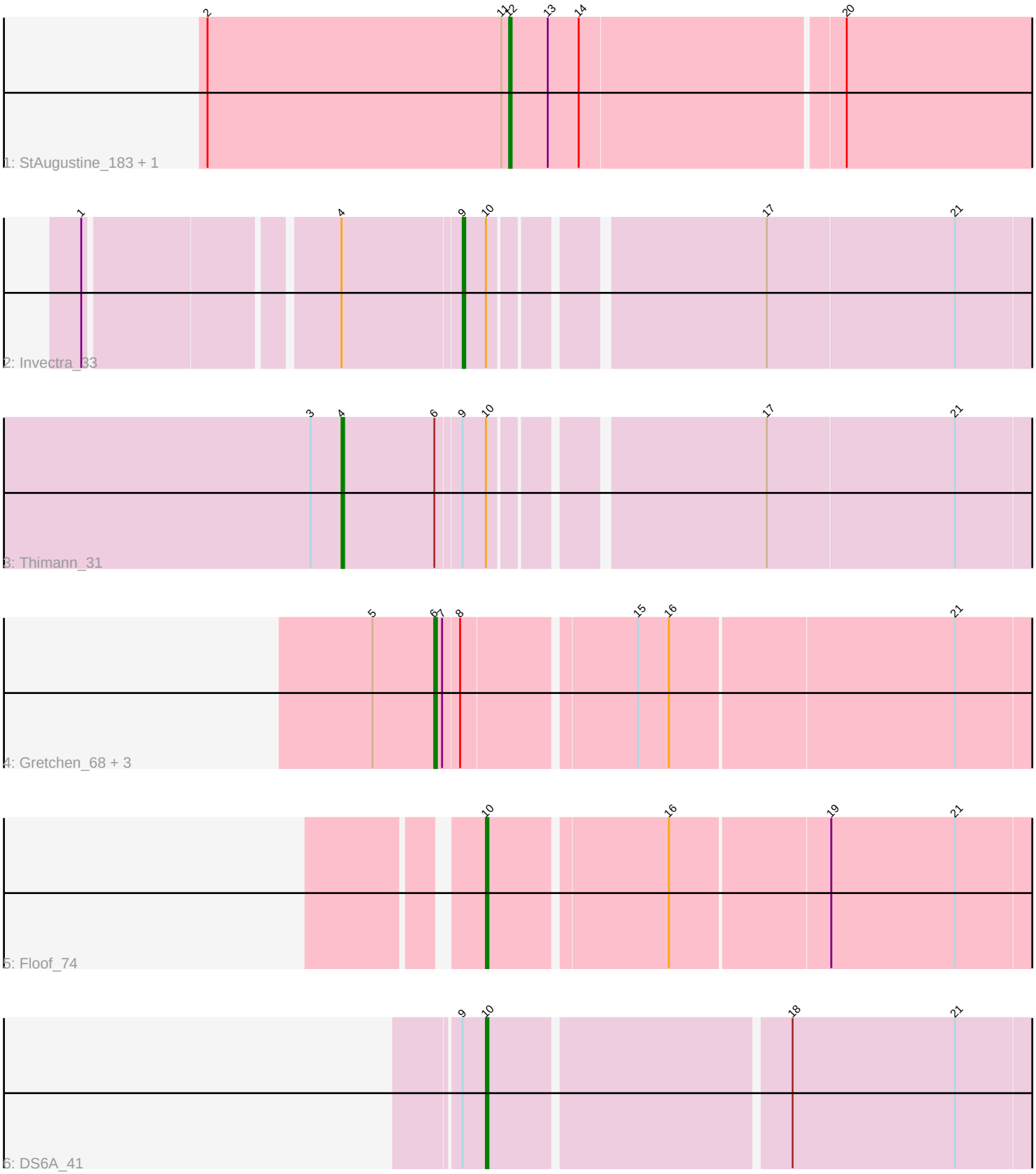
Pham 346392


2
11
12
13
14
20
1: StAugustine_183 + 1
1
4
9
10
17
21
2: Invectra_33
3
4
6
9
10
17
21
3: Thimann_31
5
6
7
8
15
16
21
4: Gretchen_68 + 3
10
16
19
21
5: Floof_74
9
10
18
21
6: DS6A_41

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 346392 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346392 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : StAugustine_183, Causa_190
• Track 2 : Invectra_33
• Track 3 : Thimann_31
• Track 4 : Gretchen_68, SuperHands_68, Forester_66, Percival_69
• Track 5 : Floof_74
• Track 6 : DS6A_41

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

The start number called the most often in the published annotations is 6, it was called in 4 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Forester_66, Gretchen_68, Percival_69, SuperHands_68,

Genes that have the "Most Annotated" start but do not call it:
• Thimann_31,

Genes that do not have the "Most Annotated" start:
• Causa_190, DS6A_41, Floof_74, Invectra_33, StAugustine_183,

Summary by start number:

Start 4:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Thimann_31 (CZ4),

Start 6:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 4 of 10
• Called 80.0% of time when present

• Phage (with cluster) where this start called: Forester_66 (EH), Gretchen_68 (EH), Percival_69 (EH), SuperHands_68 (EH),

Start 9:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Invectra_33 (CZ4),

Start 10:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: DS6A_41 (singleton), Floof_74 (EH),

Start 12:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Causa_190 (AI), StAugustine_183 (AI),

Summary by clusters:

There are 4 clusters represented in this pham: AI, singleton, EH, CZ4,

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

Info for manual annotations of cluster CZ4:
•Start number 4 was manually annotated 1 time for cluster CZ4.
•Start number 9 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster EH:
•Start number 6 was manually annotated 4 times for cluster EH.
•Start number 10 was manually annotated 1 time for cluster EH.

Gene Information:

Gene: Causa_190 Start: 101060, Stop: 100857, Start Num: 12
Candidate Starts for Causa_190:
(2, 101177), (11, 101063), (Start: 12 @101060 has 2 MA's), (13, 101045), (14, 101033), (20, 100934),

Gene: DS6A_41 Start: 32637, Stop: 32431, Start Num: 10
Candidate Starts for DS6A_41:
(Start: 9 @32646 has 1 MA's), (Start: 10 @32637 has 2 MA's), (18, 32526), (21, 32463),

Gene: Floof_74 Start: 45866, Stop: 46069, Start Num: 10
Candidate Starts for Floof_74:
(Start: 10 @45866 has 2 MA's), (16, 45932), (19, 45992), (21, 46040),

Gene: Forester_66 Start: 45360, Stop: 45581, Start Num: 6

Candidate Starts for Forester_66:
(5, 45336), (Start: 6 @45360 has 4 MA's), (7, 45363), (8, 45369), (15, 45432), (16, 45444), (21, 45552),

Gene: Gretchen_68 Start: 44984, Stop: 45205, Start Num: 6
Candidate Starts for Gretchen_68:
(5, 44960), (Start: 6 @44984 has 4 MA's), (7, 44987), (8, 44993), (15, 45056), (16, 45068), (21, 45176),

Gene: Invectra_33 Start: 26782, Stop: 26991, Start Num: 9
Candidate Starts for Invectra_33:
(1, 26647), (Start: 4 @26737 has 1 MA's), (Start: 9 @26782 has 1 MA's), (Start: 10 @26791 has 2 MA's), (17, 26887), (21, 26959),

Gene: Percival_69 Start: 44884, Stop: 45105, Start Num: 6
Candidate Starts for Percival_69:
(5, 44860), (Start: 6 @44884 has 4 MA's), (7, 44887), (8, 44893), (15, 44956), (16, 44968), (21, 45076),

Gene: StAugustine_183 Start: 100606, Stop: 100403, Start Num: 12
Candidate Starts for StAugustine_183:
(2, 100723), (11, 100609), (Start: 12 @100606 has 2 MA's), (13, 100591), (14, 100579), (20, 100480),

Gene: SuperHands_68 Start: 45535, Stop: 45756, Start Num: 6
Candidate Starts for SuperHands_68:
(5, 45511), (Start: 6 @45535 has 4 MA's), (7, 45538), (8, 45544), (15, 45607), (16, 45619), (21, 45727),

Gene: Thimann_31 Start: 25874, Stop: 26128, Start Num: 4
Candidate Starts for Thimann_31:
(3, 25862), (Start: 4 @25874 has 1 MA's), (Start: 6 @25910 has 4 MA's), (Start: 9 @25919 has 1 MA's), (Start: 10 @25928 has 2 MA's), (17, 26024), (21, 26096),