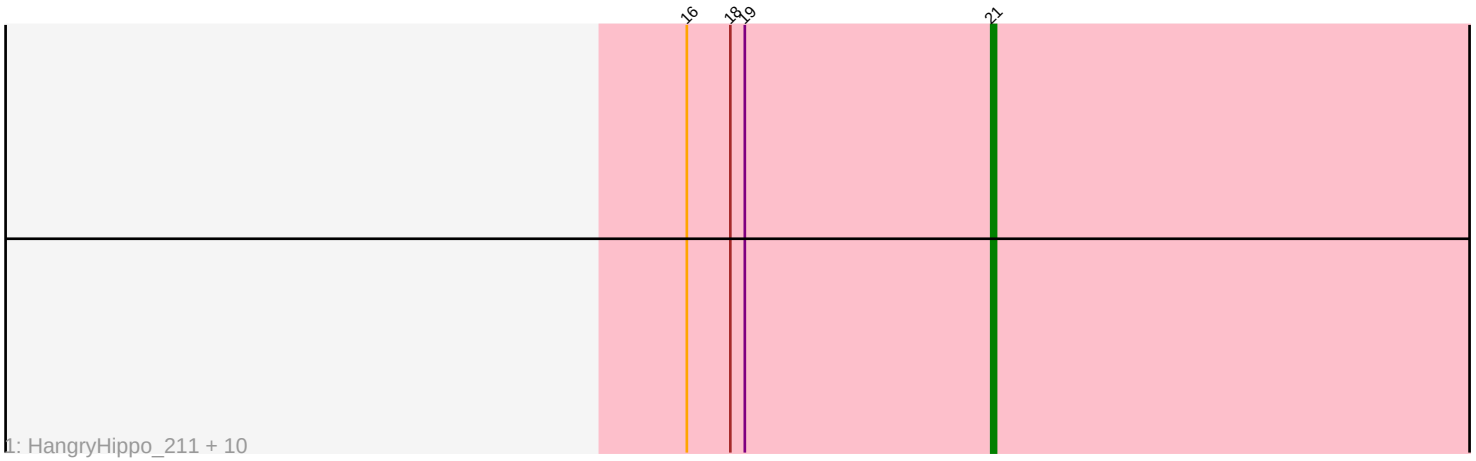
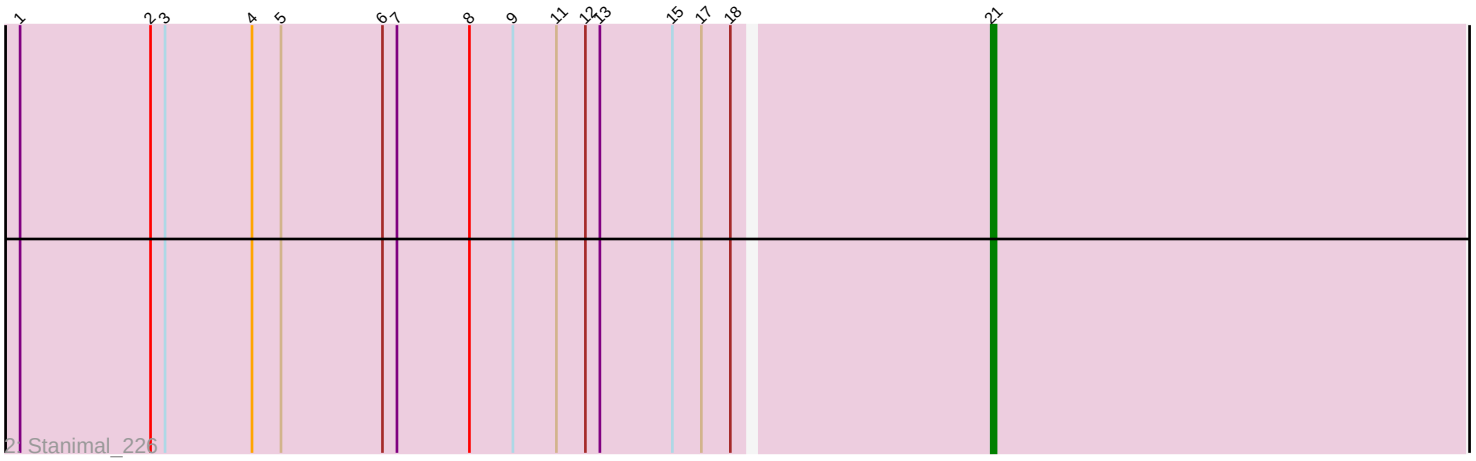
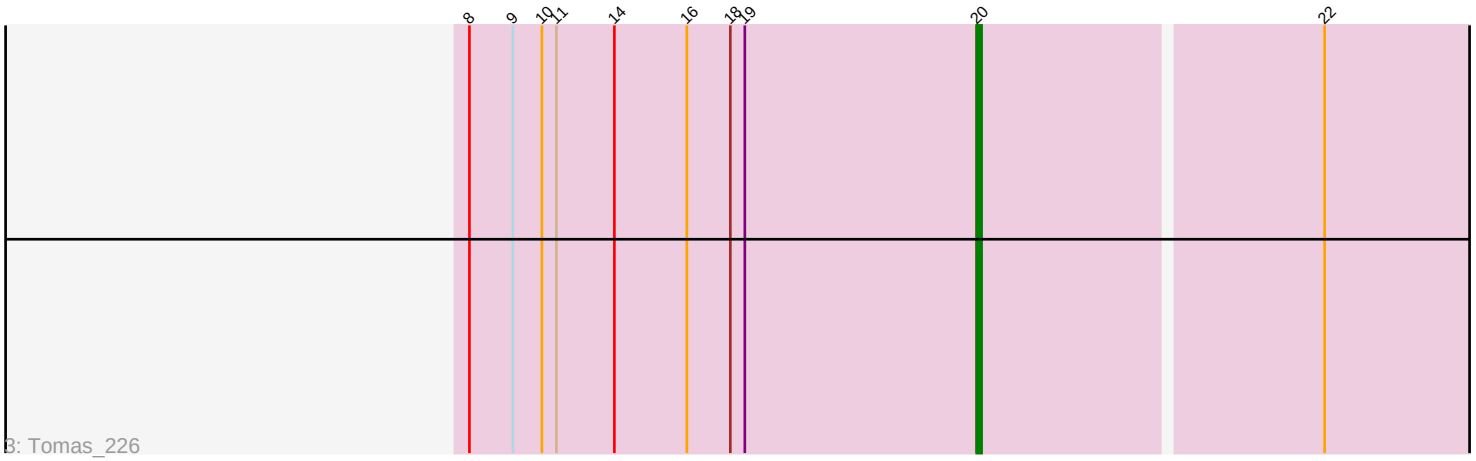
# Pham 266843


16
18
19
21
1: HangryHippo_211 + 10


1
2
3
4
5
6
7
8
9
11
12
13
15
17
18
21
2: Stanimal_226


8
9
10
11
14
16
18
19
20
22
3: Tomas_226

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 266843 Report

This analysis was run 02/07/26 on database version 634.

Pham number 266843 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : HangryHippo_211, Teutsch_212, EGole_216, Peebs_210, Larnav_212, Watermoore_212, Tribute_209, Pepperwood_213, Samisti12_217, BlueOtter_211, Cross_212
• Track 2 : Stanimal_226
• Track 3 : Tomas_226

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

The start number called the most often in the published annotations is 21, it was called in 12 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlueOtter_211, Cross_212, EGole_216, HangryHippo_211, Larnav_212, Peebs_210, Pepperwood_213, Samisti12_217, Stanimal_226, Teutsch_212, Tribute_209, Watermoore_212,

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

Genes that do not have the "Most Annotated" start:
• Tomas_226,

**Summary by start number:**

Start 20:
• Found in 1 of 13 ( 7.7% ) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tomas_226 (BE2),

Start 21:
• Found in 12 of 13 ( 92.3% ) of genes in pham
• Manual Annotations of this start: 12 of 13
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BlueOtter_211 (BE1), Cross_212 (BE1), EGole_216 (BE1), HangryHippo_211 (BE1), Larnav_212 (BE1), Peebs_210 (BE1), Pepperwood_213 (BE1), Samisti12_217 (BE1), Stanimal_226 (BE2), Teutsch_212 (BE1), Tribute_209 (BE1), Watermoore_212 (BE1),

**Summary by clusters:**

There are 2 clusters represented in this pham: BE2, BE1,

Info for manual annotations of cluster BE1:
•Start number 21 was manually annotated 11 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 20 was manually annotated 1 time for cluster BE2.
•Start number 21 was manually annotated 1 time for cluster BE2.

***Gene Information:***

Gene: BlueOtter_211 Start: 106797, Stop: 106940, Start Num: 21
Candidate Starts for BlueOtter_211:
(16, 106734), (18, 106743), (19, 106746), (Start: 21 @106797 has 12 MA's),

Gene: Cross_212 Start: 107442, Stop: 107585, Start Num: 21
Candidate Starts for Cross_212:
(16, 107379), (18, 107388), (19, 107391), (Start: 21 @107442 has 12 MA's),

Gene: EGole_216 Start: 109139, Stop: 109282, Start Num: 21
Candidate Starts for EGole_216:
(16, 109076), (18, 109085), (19, 109088), (Start: 21 @109139 has 12 MA's),

Gene: HangryHippo_211 Start: 106797, Stop: 106940, Start Num: 21
Candidate Starts for HangryHippo_211:
(16, 106734), (18, 106743), (19, 106746), (Start: 21 @106797 has 12 MA's),

Gene: Larnav_212 Start: 107258, Stop: 107401, Start Num: 21
Candidate Starts for Larnav_212:
(16, 107195), (18, 107204), (19, 107207), (Start: 21 @107258 has 12 MA's),

Gene: Peebs_210 Start: 107229, Stop: 107372, Start Num: 21
Candidate Starts for Peebs_210:
(16, 107166), (18, 107175), (19, 107178), (Start: 21 @107229 has 12 MA's),

Gene: Pepperwood_213 Start: 107461, Stop: 107604, Start Num: 21
Candidate Starts for Pepperwood_213:
(16, 107398), (18, 107407), (19, 107410), (Start: 21 @107461 has 12 MA's),

Gene: Samisti12_217 Start: 109088, Stop: 109231, Start Num: 21
Candidate Starts for Samisti12_217:
(16, 109025), (18, 109034), (19, 109037), (Start: 21 @109088 has 12 MA's),

Gene: Stanimal_226 Start: 109175, Stop: 109336, Start Num: 21

Candidate Starts for Stanimal_226:
(1, 108977), (2, 109004), (3, 109007), (4, 109025), (5, 109031), (6, 109052), (7, 109055), (8, 109070), (9, 109079), (11, 109088), (12, 109094), (13, 109097), (15, 109112), (17, 109118), (18, 109124), (Start: 21 @109175 has 12 MA's),

Gene: Teutsch_212 Start: 107917, Stop: 108060, Start Num: 21
Candidate Starts for Teutsch_212:
(16, 107854), (18, 107863), (19, 107866), (Start: 21 @107917 has 12 MA's),

Gene: Tomas_226 Start: 109189, Stop: 109332, Start Num: 20
Candidate Starts for Tomas_226:
(8, 109084), (9, 109093), (10, 109099), (11, 109102), (14, 109114), (16, 109129), (18, 109138), (19, 109141), (Start: 20 @109189 has 1 MA's), (22, 109258),

Gene: Tribute_209 Start: 108082, Stop: 108225, Start Num: 21
Candidate Starts for Tribute_209:
(16, 108019), (18, 108028), (19, 108031), (Start: 21 @108082 has 12 MA's),

Gene: Watermoore_212 Start: 108440, Stop: 108583, Start Num: 21
Candidate Starts for Watermoore_212:
(16, 108377), (18, 108386), (19, 108389), (Start: 21 @108440 has 12 MA's),