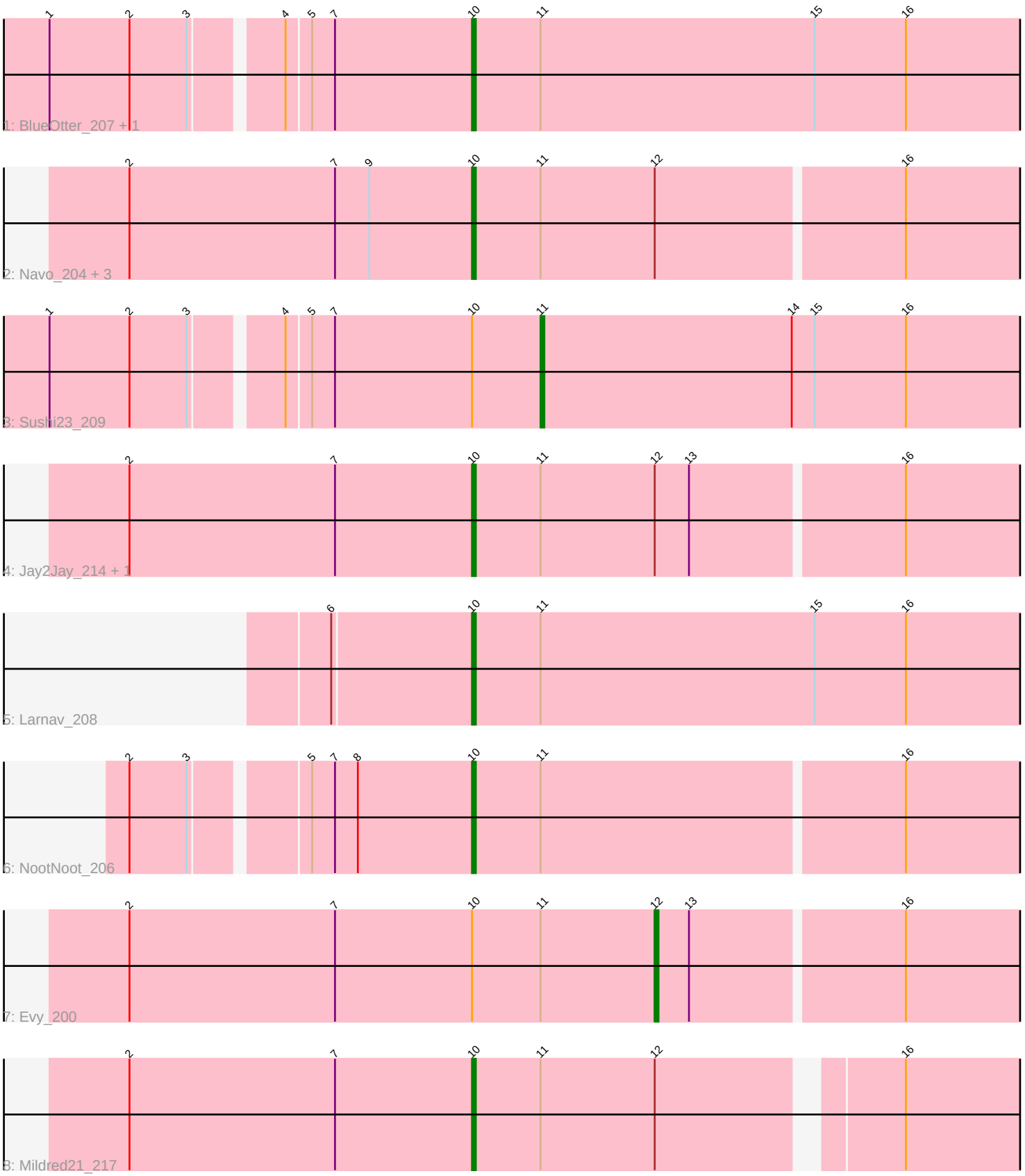
Pham 194468


1
2
3
4
5
7
10
11
15
16
1: BlueOtter_207 + 1
2
7
9
10
11
12
16
2: Navo_204 + 3
1
2
3
4
5
7
10
11
14
15
16
3: Sushi23_209
2
7
10
11
12
13
16
4: Jay2Jay_214 + 1
6
10
11
15
16
5: Larnav_208
2
3
5
7
8
10
11
16
6: NootNoot_206
2
7
10
11
12
13
16
7: Evy_200
2
7
10
11
12
16
8: Mildred21_217

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 194468 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194468 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : BlueOtter_207, HangryHippo_207
• Track 2 : Navo_204, Persimmon_212, Braelyn_206, Bartholomune_210
• Track 3 : Sushi23_209
• Track 4 : Jay2Jay_214, Warpy_212
• Track 5 : Larnav_208
• Track 6 : NootNoot_206
• Track 7 : Evy_200
• Track 8 : Mildred21_217

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

The start number called the most often in the published annotations is 10, it was called in 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bartholomune_210, BlueOtter_207, Braelyn_206, HangryHippo_207, Jay2Jay_214, Larnav_208, Mildred21_217, Navo_204, NootNoot_206, Persimmon_212, Warpy_212,

Genes that have the "Most Annotated" start but do not call it:
• Evy_200, Sushi23_209,

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

Summary by start number:

Start 10:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 13
• Called 84.6% of time when present
• Phage (with cluster) where this start called: Bartholomune_210 (BE1), BlueOtter_207 (BE1), Braelyn_206 (BE1), HangryHippo_207 (BE1), Jay2Jay_214 (BE1), Larnav_208 (BE1), Mildred21_217 (BE1), Navo_204 (BE1), NootNoot_206

(BE1), Persimmon_212 (BE1), Warpy_212 (BE1),

Start 11:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Sushi23_209 (BE1),

Start 12:
• Found in 8 of 13 (61.5%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Evy_200 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:
•Start number 10 was manually annotated 11 times for cluster BE1.
•Start number 11 was manually annotated 1 time for cluster BE1.
•Start number 12 was manually annotated 1 time for cluster BE1.

Gene Information:

Gene: Bartholomune_210 Start: 105719, Stop: 105883, Start Num: 10
Candidate Starts for Bartholomune_210:
(2, 105629), (7, 105683), (9, 105692), (Start: 10 @105719 has 11 MA's), (Start: 11 @105737 has 1 MA's), (Start: 12 @105767 has 1 MA's), (16, 105830),

Gene: BlueOtter_207 Start: 105856, Stop: 106023, Start Num: 10
Candidate Starts for BlueOtter_207:
(1, 105751), (2, 105772), (3, 105787), (4, 105808), (5, 105814), (7, 105820), (Start: 10 @105856 has 11 MA's), (Start: 11 @105874 has 1 MA's), (15, 105946), (16, 105970),

Gene: Braelyn_206 Start: 105366, Stop: 105530, Start Num: 10
Candidate Starts for Braelyn_206:
(2, 105276), (7, 105330), (9, 105339), (Start: 10 @105366 has 11 MA's), (Start: 11 @105384 has 1 MA's), (Start: 12 @105414 has 1 MA's), (16, 105477),

Gene: Evy_200 Start: 106705, Stop: 106821, Start Num: 12
Candidate Starts for Evy_200:
(2, 106567), (7, 106621), (Start: 10 @106657 has 11 MA's), (Start: 11 @106675 has 1 MA's), (Start: 12 @106705 has 1 MA's), (13, 106714), (16, 106768),

Gene: HangryHippo_207 Start: 105856, Stop: 106023, Start Num: 10
Candidate Starts for HangryHippo_207:
(1, 105751), (2, 105772), (3, 105787), (4, 105808), (5, 105814), (7, 105820), (Start: 10 @105856 has 11 MA's), (Start: 11 @105874 has 1 MA's), (15, 105946), (16, 105970),

Gene: Jay2Jay_214 Start: 106812, Stop: 106976, Start Num: 10

Candidate Starts for Jay2Jay_214:
(2, 106722), (7, 106776), (Start: 10 @106812 has 11 MA's), (Start: 11 @106830 has 1 MA's), (Start: 12 @106860 has 1 MA's), (13, 106869), (16, 106923),

Gene: Larnav_208 Start: 106317, Stop: 106484, Start Num: 10
Candidate Starts for Larnav_208:
(6, 106281), (Start: 10 @106317 has 11 MA's), (Start: 11 @106335 has 1 MA's), (15, 106407), (16, 106431),

Gene: Mildred21_217 Start: 104294, Stop: 104452, Start Num: 10
Candidate Starts for Mildred21_217:
(2, 104204), (7, 104258), (Start: 10 @104294 has 11 MA's), (Start: 11 @104312 has 1 MA's), (Start: 12 @104342 has 1 MA's), (16, 104399),

Gene: Navo_204 Start: 104570, Stop: 104734, Start Num: 10
Candidate Starts for Navo_204:
(2, 104480), (7, 104534), (9, 104543), (Start: 10 @104570 has 11 MA's), (Start: 11 @104588 has 1 MA's), (Start: 12 @104618 has 1 MA's), (16, 104681),

Gene: NootNoot_206 Start: 104774, Stop: 104938, Start Num: 10
Candidate Starts for NootNoot_206:
(2, 104690), (3, 104705), (5, 104732), (7, 104738), (8, 104744), (Start: 10 @104774 has 11 MA's), (Start: 11 @104792 has 1 MA's), (16, 104885),

Gene: Persimmon_212 Start: 105588, Stop: 105752, Start Num: 10
Candidate Starts for Persimmon_212:
(2, 105498), (7, 105552), (9, 105561), (Start: 10 @105588 has 11 MA's), (Start: 11 @105606 has 1 MA's), (Start: 12 @105636 has 1 MA's), (16, 105699),

Gene: Sushi23_209 Start: 107175, Stop: 107324, Start Num: 11
Candidate Starts for Sushi23_209:
(1, 107052), (2, 107073), (3, 107088), (4, 107109), (5, 107115), (7, 107121), (Start: 10 @107157 has 11 MA's), (Start: 11 @107175 has 1 MA's), (14, 107241), (15, 107247), (16, 107271),

Gene: Warpy_212 Start: 106250, Stop: 106414, Start Num: 10
Candidate Starts for Warpy_212:
(2, 106160), (7, 106214), (Start: 10 @106250 has 11 MA's), (Start: 11 @106268 has 1 MA's), (Start: 12 @106298 has 1 MA's), (13, 106307), (16, 106361),