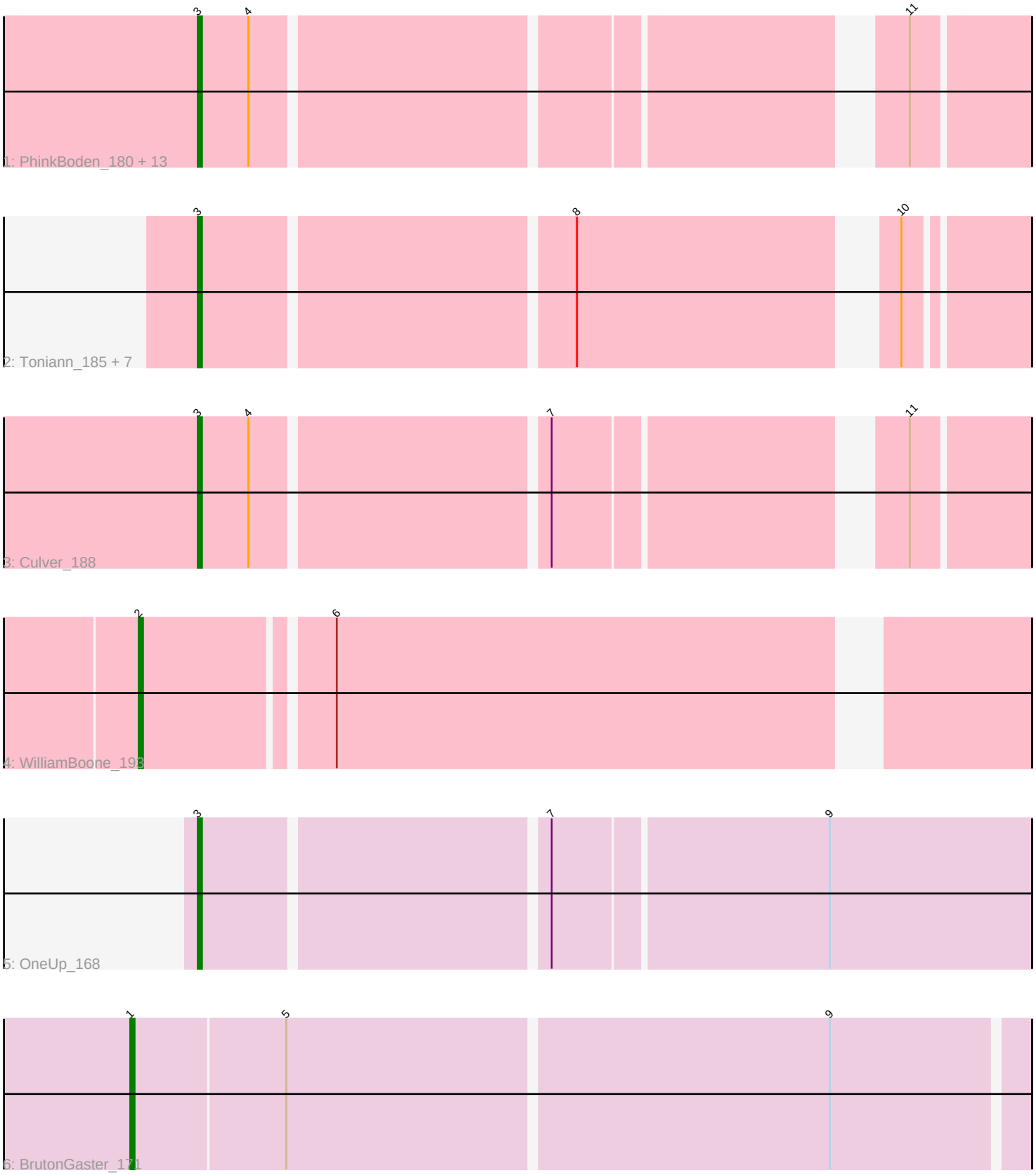
Pham 218215


3
4
11
1: PhinkBoden_180 + 13
3
8
10
2: Toniann_185 + 7
3
4
7
11
3: Culver_188
2
6
4: WilliamBoone_193
3
7
9
5: OneUp_168
1
5
9
6: BrutonGaster_171

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 218215 Report

This analysis was run 03/28/25 on database version 593.

Pham number 218215 has 26 members, 3 are drafts.

Phages represented in each track:
• Track 1 : PhinkBoden_180, Lozinak_183, Geeche_189, Toniann_183, Miskis_174, Abscondus_179, Dusty_176, Norvs_180, Engineer_184, Bachita_187, Aphelion_180, Smoothie_184, ClubL_183, Cucurbita_182
• Track 2 : Toniann_185, Norvs_182, Dusty_178, Lozinak_185, Engineer_186, Aphelion_182, ClubL_185, Cucurbita_184
• Track 3 : Culver_188
• Track 4 : WilliamBoone_193
• Track 5 : OneUp_168
• Track 6 : BrutonGaster_171

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

The start number called the most often in the published annotations is 3, it was called in 21 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_179, Aphelion_180, Aphelion_182, Bachita_187, ClubL_183, ClubL_185, Cucurbita_182, Cucurbita_184, Culver_188, Dusty_176, Dusty_178, Engineer_184, Engineer_186, Geeche_189, Lozinak_183, Lozinak_185, Miskis_174, Norvs_180, Norvs_182, OneUp_168, PhinkBoden_180, Smoothie_184, Toniann_183, Toniann_185,

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

Genes that do not have the "Most Annotated" start:
• BrutonGaster_171, WilliamBoone_193,

Summary by start number:

Start 1:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 23
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BrutonGaster_171 (CQ2),

Start 2:
• Found in 1 of 26 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: WilliamBoone_193 (CQ1),

Start 3:
• Found in 24 of 26 (92.3%) of genes in pham
• Manual Annotations of this start: 21 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_179 (CQ1), Aphelion_180 (CQ1), Aphelion_182 (CQ1), Bachita_187 (CQ1), ClubL_183 (CQ1), ClubL_185 (CQ1), Cucurbita_182 (CQ1), Cucurbita_184 (CQ1), Culver_188 (CQ1), Dusty_176 (CQ1), Dusty_178 (CQ1), Engineer_184 (CQ1), Engineer_186 (CQ1), Geeche_189 (CQ1), Lozinak_183 (CQ1), Lozinak_185 (CQ1), Miskis_174 (CQ1), Norvs_180 (CQ1), Norvs_182 (CQ1), OneUp_168 (CQ2), PhinkBoden_180 (CQ1), Smoothie_184 (CQ1), Toniann_183 (CQ1), Toniann_185 (CQ1),

Summary by clusters:

There are 2 clusters represented in this pham: CQ2, CQ1,

Info for manual annotations of cluster CQ1:
•Start number 2 was manually annotated 1 time for cluster CQ1.
•Start number 3 was manually annotated 20 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 1 was manually annotated 1 time for cluster CQ2.
•Start number 3 was manually annotated 1 time for cluster CQ2.

Gene Information:

Gene: Abscondus_179 Start: 90717, Stop: 90541, Start Num: 3
Candidate Starts for Abscondus_179:
(Start: 3 @90717 has 21 MA's), (4, 90705), (11, 90567),

Gene: Aphelion_182 Start: 92432, Stop: 92256, Start Num: 3
Candidate Starts for Aphelion_182:
(Start: 3 @92432 has 21 MA's), (8, 92348), (10, 92282),

Gene: Aphelion_180 Start: 91255, Stop: 91079, Start Num: 3
Candidate Starts for Aphelion_180:
(Start: 3 @91255 has 21 MA's), (4, 91243), (11, 91105),

Gene: Bachita_187 Start: 92079, Stop: 91903, Start Num: 3
Candidate Starts for Bachita_187:
(Start: 3 @92079 has 21 MA's), (4, 92067), (11, 91929),

Gene: BrutonGaster_171 Start: 90602, Stop: 90396, Start Num: 1

Candidate Starts for BrutonGaster_171:
(Start: 1 @90602 has 1 MA's), (5, 90566), (9, 90440),

Gene: ClubL_183 Start: 90576, Stop: 90400, Start Num: 3
Candidate Starts for ClubL_183:
(Start: 3 @90576 has 21 MA's), (4, 90564), (11, 90426),

Gene: ClubL_185 Start: 91753, Stop: 91577, Start Num: 3
Candidate Starts for ClubL_185:
(Start: 3 @91753 has 21 MA's), (8, 91669), (10, 91603),

Gene: Cucurbita_182 Start: 91637, Stop: 91461, Start Num: 3
Candidate Starts for Cucurbita_182:
(Start: 3 @91637 has 21 MA's), (4, 91625), (11, 91487),

Gene: Cucurbita_184 Start: 92814, Stop: 92638, Start Num: 3
Candidate Starts for Cucurbita_184:
(Start: 3 @92814 has 21 MA's), (8, 92730), (10, 92664),

Gene: Culver_188 Start: 91341, Stop: 91165, Start Num: 3
Candidate Starts for Culver_188:
(Start: 3 @91341 has 21 MA's), (4, 91329), (7, 91263), (11, 91191),

Gene: Dusty_176 Start: 89983, Stop: 89807, Start Num: 3
Candidate Starts for Dusty_176:
(Start: 3 @89983 has 21 MA's), (4, 89971), (11, 89833),

Gene: Dusty_178 Start: 91159, Stop: 90983, Start Num: 3
Candidate Starts for Dusty_178:
(Start: 3 @91159 has 21 MA's), (8, 91075), (10, 91009),

Gene: Engineer_184 Start: 91334, Stop: 91158, Start Num: 3
Candidate Starts for Engineer_184:
(Start: 3 @91334 has 21 MA's), (4, 91322), (11, 91184),

Gene: Engineer_186 Start: 92510, Stop: 92334, Start Num: 3
Candidate Starts for Engineer_186:
(Start: 3 @92510 has 21 MA's), (8, 92426), (10, 92360),

Gene: Geeche_189 Start: 92362, Stop: 92186, Start Num: 3
Candidate Starts for Geeche_189:
(Start: 3 @92362 has 21 MA's), (4, 92350), (11, 92212),

Gene: Lozinak_183 Start: 91180, Stop: 91004, Start Num: 3
Candidate Starts for Lozinak_183:
(Start: 3 @91180 has 21 MA's), (4, 91168), (11, 91030),

Gene: Lozinak_185 Start: 92357, Stop: 92181, Start Num: 3
Candidate Starts for Lozinak_185:
(Start: 3 @92357 has 21 MA's), (8, 92273), (10, 92207),

Gene: Miskis_174 Start: 90021, Stop: 89845, Start Num: 3
Candidate Starts for Miskis_174:

(Start: 3 @90021 has 21 MA's), (4, 90009), (11, 89871),

Gene: Norvs_182 Start: 91533, Stop: 91357, Start Num: 3
Candidate Starts for Norvs_182:
(Start: 3 @91533 has 21 MA's), (8, 91449), (10, 91383),

Gene: Norvs_180 Start: 90356, Stop: 90180, Start Num: 3
Candidate Starts for Norvs_180:
(Start: 3 @90356 has 21 MA's), (4, 90344), (11, 90206),

Gene: OneUp_168 Start: 91137, Stop: 90949, Start Num: 3
Candidate Starts for OneUp_168:
(Start: 3 @91137 has 21 MA's), (7, 91059), (9, 90996),

Gene: PhinkBoden_180 Start: 90754, Stop: 90578, Start Num: 3
Candidate Starts for PhinkBoden_180:
(Start: 3 @90754 has 21 MA's), (4, 90742), (11, 90604),

Gene: Smoothie_184 Start: 91052, Stop: 90876, Start Num: 3
Candidate Starts for Smoothie_184:
(Start: 3 @91052 has 21 MA's), (4, 91040), (11, 90902),

Gene: Toniann_185 Start: 91674, Stop: 91498, Start Num: 3
Candidate Starts for Toniann_185:
(Start: 3 @91674 has 21 MA's), (8, 91590), (10, 91524),

Gene: Toniann_183 Start: 90497, Stop: 90321, Start Num: 3
Candidate Starts for Toniann_183:
(Start: 3 @90497 has 21 MA's), (4, 90485), (11, 90347),

Gene: WilliamBoone_193 Start: 92282, Stop: 92088, Start Num: 2
Candidate Starts for WilliamBoone_193:
(Start: 2 @92282 has 1 MA's), (6, 92240),