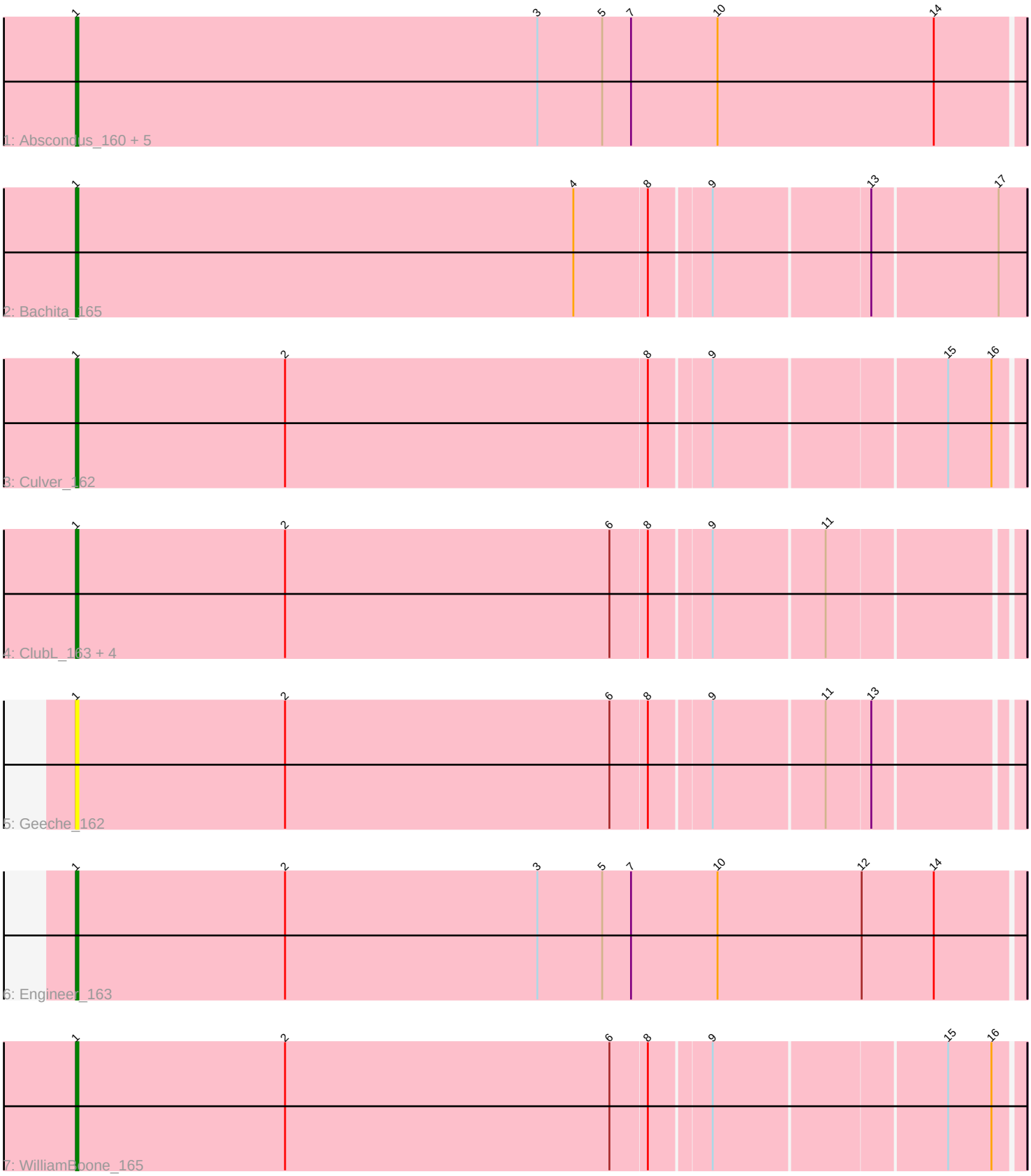
Pham 309475


1
3
5
7
10
14
1: Absconditus_160 + 5
1
4
8
9
13
17
2: Bachita_165
1
2
8
9
15
16
3: Culver_162
1
2
6
8
9
11
4: ClubL_163 + 4
1
2
6
8
9
11
13
5: Geeche_162
1
2
3
5
7
10
12
14
6: Engineer_163
1
2
6
8
9
15
16
7: WilliamBoone_165

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 309475 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309475 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Abscondus_160, Lozinak_162, Miskis_155, Dusty_159, Aphelion_161, Smoothie_164
• Track 2 : Bachita_165
• Track 3 : Culver_162
• Track 4 : ClubL_163, PhinkBoden_160, Norvs_160, Cucurbita_161, Toniann_162
• Track 5 : Geeche_162
• Track 6 : Engineer_163
• Track 7 : WilliamBoone_165

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

The start number called the most often in the published annotations is 1, it was called in 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_160, Aphelion_161, Bachita_165, ClubL_163, Cucurbita_161, Culver_162, Dusty_159, Engineer_163, Geeche_162, Lozinak_162, Miskis_155, Norvs_160, PhinkBoden_160, Smoothie_164, Toniann_162, WilliamBoone_165,

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

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

Summary by start number:

Start 1:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_160 (CQ1), Aphelion_161 (CQ1), Bachita_165 (CQ1), ClubL_163 (CQ1), Cucurbita_161 (CQ1), Culver_162 (CQ1), Dusty_159 (CQ1), Engineer_163 (CQ1), Geeche_162 (CQ1), Lozinak_162

(CQ1), Miskis_155 (CQ1), Norvs_160 (CQ1), PhinkBoden_160 (CQ1), Smoothie_164 (CQ1), Toniann_162 (CQ1), WilliamBoone_165 (CQ1),

Summary by clusters:

There is one cluster represented in this pham: CQ1

Info for manual annotations of cluster CQ1:
•Start number 1 was manually annotated 15 times for cluster CQ1.

Gene Information:

Gene: Abscondus_160 Start: 84501, Stop: 84109, Start Num: 1
Candidate Starts for Abscondus_160:
(Start: 1 @84501 has 15 MA's), (3, 84309), (5, 84282), (7, 84270), (10, 84234), (14, 84144),

Gene: Aphelion_161 Start: 85457, Stop: 85065, Start Num: 1
Candidate Starts for Aphelion_161:
(Start: 1 @85457 has 15 MA's), (3, 85265), (5, 85238), (7, 85226), (10, 85190), (14, 85100),

Gene: Bachita_165 Start: 85535, Stop: 85149, Start Num: 1
Candidate Starts for Bachita_165:
(Start: 1 @85535 has 15 MA's), (4, 85328), (8, 85298), (9, 85274), (13, 85211), (17, 85160),

Gene: ClubL_163 Start: 84778, Stop: 84398, Start Num: 1
Candidate Starts for ClubL_163:
(Start: 1 @84778 has 15 MA's), (2, 84691), (6, 84556), (8, 84541), (9, 84517), (11, 84472),

Gene: Cucurbita_161 Start: 85839, Stop: 85459, Start Num: 1
Candidate Starts for Cucurbita_161:
(Start: 1 @85839 has 15 MA's), (2, 85752), (6, 85617), (8, 85602), (9, 85578), (11, 85533),

Gene: Culver_162 Start: 84008, Stop: 83625, Start Num: 1
Candidate Starts for Culver_162:
(Start: 1 @84008 has 15 MA's), (2, 83921), (8, 83771), (9, 83747), (15, 83654), (16, 83636),

Gene: Dusty_159 Start: 84325, Stop: 83933, Start Num: 1
Candidate Starts for Dusty_159:
(Start: 1 @84325 has 15 MA's), (3, 84133), (5, 84106), (7, 84094), (10, 84058), (14, 83968),

Gene: Engineer_163 Start: 85175, Stop: 84783, Start Num: 1
Candidate Starts for Engineer_163:
(Start: 1 @85175 has 15 MA's), (2, 85088), (3, 84983), (5, 84956), (7, 84944), (10, 84908), (12, 84848), (14, 84818),

Gene: Geeche_162 Start: 84716, Stop: 84336, Start Num: 1
Candidate Starts for Geeche_162:
(Start: 1 @84716 has 15 MA's), (2, 84629), (6, 84494), (8, 84479), (9, 84455), (11, 84410), (13, 84392),

Gene: Lozinak_162 Start: 85382, Stop: 84990, Start Num: 1
Candidate Starts for Lozinak_162:

(Start: 1 @85382 has 15 MA's), (3, 85190), (5, 85163), (7, 85151), (10, 85115), (14, 85025),

Gene: Miskis_155 Start: 84206, Stop: 83814, Start Num: 1
Candidate Starts for Miskis_155:
(Start: 1 @84206 has 15 MA's), (3, 84014), (5, 83987), (7, 83975), (10, 83939), (14, 83849),

Gene: Norvs_160 Start: 84558, Stop: 84178, Start Num: 1
Candidate Starts for Norvs_160:
(Start: 1 @84558 has 15 MA's), (2, 84471), (6, 84336), (8, 84321), (9, 84297), (11, 84252),

Gene: PhinkBoden_160 Start: 84956, Stop: 84576, Start Num: 1
Candidate Starts for PhinkBoden_160:
(Start: 1 @84956 has 15 MA's), (2, 84869), (6, 84734), (8, 84719), (9, 84695), (11, 84650),

Gene: Smoothie_164 Start: 85254, Stop: 84862, Start Num: 1
Candidate Starts for Smoothie_164:
(Start: 1 @85254 has 15 MA's), (3, 85062), (5, 85035), (7, 85023), (10, 84987), (14, 84897),

Gene: Toniann_162 Start: 84699, Stop: 84319, Start Num: 1
Candidate Starts for Toniann_162:
(Start: 1 @84699 has 15 MA's), (2, 84612), (6, 84477), (8, 84462), (9, 84438), (11, 84393),

Gene: WilliamBoone_165 Start: 83363, Stop: 82980, Start Num: 1
Candidate Starts for WilliamBoone_165:
(Start: 1 @83363 has 15 MA's), (2, 83276), (6, 83141), (8, 83126), (9, 83102), (15, 83009), (16, 82991),