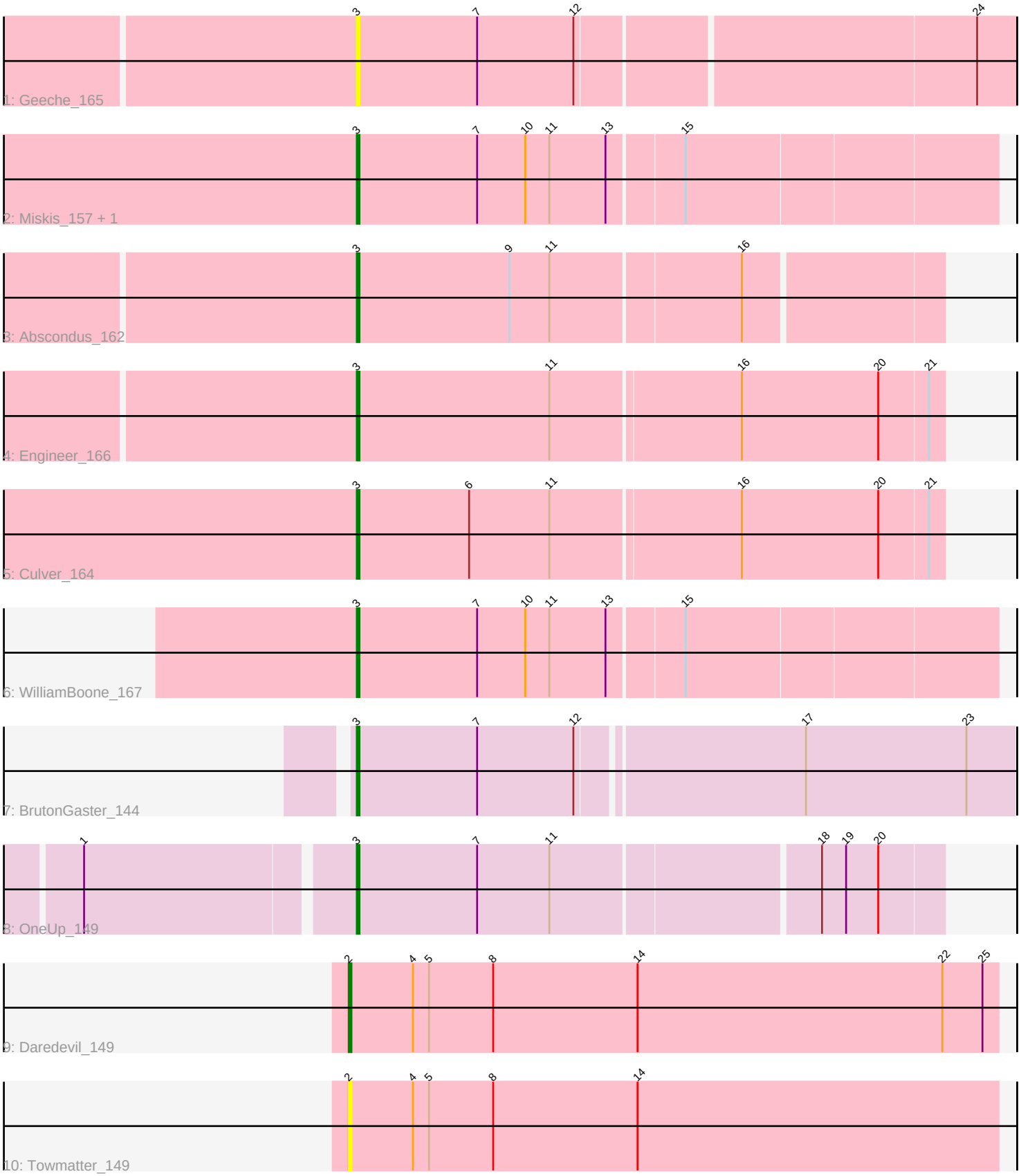
Pham 200849


3
7
12
24
1: Geeche_165
3
7
10
11
13
15
2: Miskis_157 + 1
3
9
11
16
3: Abscondus_162
3
11
16
20
21
4: Engineer_166
3
6
11
16
20
21
5: Culver_164
3
7
10
11
13
15
6: WilliamBoone_167
3
7
12
17
23
7: BrutonGaster_144
1
3
7
11
18
19
20
8: OneUp_149
2
4
5
8
14
22
25
9: Daredevil_149
2
4
5
8
14
10: Towmatter_149

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 200849 Report

This analysis was run 03/07/25 on database version 590.

Pham number 200849 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Geeche_165
• Track 2 : Miskis_157, Dusty_160
• Track 3 : Abscondus_162
• Track 4 : Engineer_166
• Track 5 : Culver_164
• Track 6 : WilliamBoone_167
• Track 7 : BrutonGaster_144
• Track 8 : OneUp_149
• Track 9 : Daredevil_149
• Track 10 : Towmatter_149

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 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_162, BrutonGaster_144, Culver_164, Dusty_160, Engineer_166, Geeche_165, Miskis_157, OneUp_149, WilliamBoone_167,

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

Genes that do not have the "Most Annotated" start:
• Daredevil_149, Towmatter_149,

Summary by start number:

Start 2:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Daredevil_149 (DL), Towmatter_149 (DL),

Start 3:
• Found in 9 of 11 (81.8%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_162 (CQ1), BrutonGaster_144 (CQ2), Culver_164 (CQ1), Dusty_160 (CQ1), Engineer_166 (CQ1), Geeche_165 (CQ1), Miskis_157 (CQ1), OneUp_149 (CQ2), WilliamBoone_167 (CQ1),

Summary by clusters:

There are 3 clusters represented in this pham: CQ2, CQ1, DL,

Info for manual annotations of cluster CQ1:
•Start number 3 was manually annotated 5 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 3 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster DL:
•Start number 2 was manually annotated 1 time for cluster DL.

Gene Information:

Gene: Abscondus_162 Start: 84875, Stop: 84663, Start Num: 3
Candidate Starts for Abscondus_162:
(Start: 3 @84875 has 7 MA's), (9, 84818), (11, 84803), (16, 84734),

Gene: BrutonGaster_144 Start: 80953, Stop: 80714, Start Num: 3
Candidate Starts for BrutonGaster_144:
(Start: 3 @80953 has 7 MA's), (7, 80908), (12, 80872), (17, 80791), (23, 80731),

Gene: Culver_164 Start: 84387, Stop: 84172, Start Num: 3
Candidate Starts for Culver_164:
(Start: 3 @84387 has 7 MA's), (6, 84345), (11, 84315), (16, 84246), (20, 84195), (21, 84177),

Gene: Daredevil_149 Start: 82595, Stop: 82353, Start Num: 2
Candidate Starts for Daredevil_149:
(Start: 2 @82595 has 1 MA's), (4, 82571), (5, 82565), (8, 82541), (14, 82487), (22, 82373), (25, 82358),

Gene: Dusty_160 Start: 84720, Stop: 84487, Start Num: 3
Candidate Starts for Dusty_160:
(Start: 3 @84720 has 7 MA's), (7, 84675), (10, 84657), (11, 84648), (13, 84627), (15, 84600),

Gene: Engineer_166 Start: 85789, Stop: 85574, Start Num: 3
Candidate Starts for Engineer_166:
(Start: 3 @85789 has 7 MA's), (11, 85717), (16, 85648), (20, 85597), (21, 85579),

Gene: Geeche_165 Start: 85352, Stop: 85113, Start Num: 3
Candidate Starts for Geeche_165:

(Start: 3 @85352 has 7 MA's), (7, 85307), (12, 85271), (24, 85127),

Gene: Miskis_157 Start: 84601, Stop: 84368, Start Num: 3
Candidate Starts for Miskis_157:
(Start: 3 @84601 has 7 MA's), (7, 84556), (10, 84538), (11, 84529), (13, 84508), (15, 84481),

Gene: OneUp_149 Start: 84622, Stop: 84410, Start Num: 3
Candidate Starts for OneUp_149:
(1, 84718), (Start: 3 @84622 has 7 MA's), (7, 84577), (11, 84550), (18, 84454), (19, 84445), (20, 84433),

Gene: Towmatter_149 Start: 82751, Stop: 82509, Start Num: 2
Candidate Starts for Towmatter_149:
(Start: 2 @82751 has 1 MA's), (4, 82727), (5, 82721), (8, 82697), (14, 82643),

Gene: WilliamBoone_167 Start: 83758, Stop: 83525, Start Num: 3
Candidate Starts for WilliamBoone_167:
(Start: 3 @83758 has 7 MA's), (7, 83713), (10, 83695), (11, 83686), (13, 83665), (15, 83638),