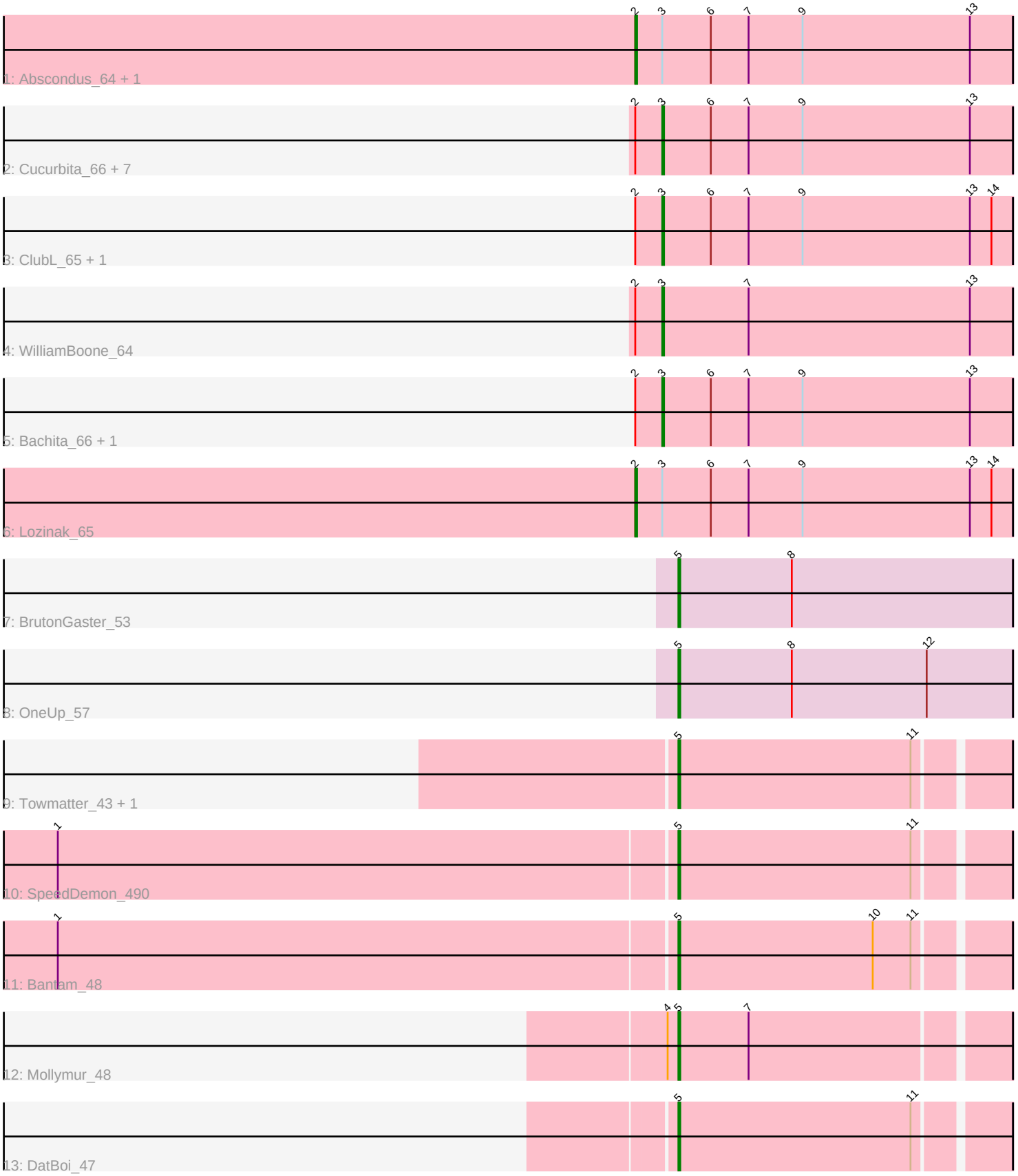
Pham 342510


2
3
6
7
9
13
1: Abscondus_64 + 1
2
3
6
7
9
13
2: Cucurbita_66 + 7
2
3
6
7
9
13
14
3: ClubL_65 + 1
2
3
7
13
4: WilliamBoone_64
2
3
6
7
9
13
5: Bachita_66 + 1
2
3
6
7
9
13
14
6: Lozinak_65
5
8
7: BrutonGaster_53
5
8
12
8: OneUp_57
5
11
9: Towmatter_43 + 1
1
5
11
10: SpeedDemon_490
1
5
10
11
11: Bantam_48
4
5
7
12: Mollymur_48
5
11
13: DatBoi_47

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 342510 Report

This analysis was run 11/14/26 on database version 672.

Pham number 342510 has 24 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Abscondus_64, Dusty_64
• Track 2 : Cucurbita_66, Toniann_65, Norvs_65, Geeche_63, Culver_66, PhinkBoden_64, Aphelion_64, Miskis_62
• Track 3 : ClubL_65, Smoothie_66
• Track 4 : WilliamBoone_64
• Track 5 : Bachita_66, Engineer_66
• Track 6 : Lozinak_65
• Track 7 : BrutonGaster_53
• Track 8 : OneUp_57
• Track 9 : Towmatter_43, Daredevil_44
• Track 10 : SpeedDemon_490
• Track 11 : Bantam_48
• Track 12 : Mollymur_48
• Track 13 : DatBoi_47

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 12 of the 23 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aphelion_64, Bachita_66, ClubL_65, Cucurbita_66, Culver_66, Engineer_66, Geeche_63, Miskis_62, Norvs_65, PhinkBoden_64, Smoothie_66, Toniann_65, WilliamBoone_64,

Genes that have the "Most Annotated" start but do not call it:
• Abscondus_64, Dusty_64, Lozinak_65,

Genes that do not have the "Most Annotated" start:
• Bantam_48, BrutonGaster_53, Daredevil_44, DatBoi_47, Mollymur_48, OneUp_57, SpeedDemon_490, Towmatter_43,

Summary by start number:

Start 2:
• Found in 16 of 24 (66.7%) of genes in pham
• Manual Annotations of this start: 3 of 23
• Called 18.8% of time when present
• Phage (with cluster) where this start called: Abscondus_64 (CQ1), Dusty_64 (CQ1), Lozinak_65 (CQ1),

Start 3:
• Found in 16 of 24 (66.7%) of genes in pham
• Manual Annotations of this start: 12 of 23
• Called 81.2% of time when present
• Phage (with cluster) where this start called: Aphelion_64 (CQ1), Bachita_66 (CQ1), ClubL_65 (CQ1), Cucurbita_66 (CQ1), Culver_66 (CQ1), Engineer_66 (CQ1), Geeche_63 (CQ1), Miskis_62 (CQ1), Norvs_65 (CQ1), PhinkBoden_64 (CQ1), Smoothie_66 (CQ1), Toniann_65 (CQ1), WilliamBoone_64 (CQ1),

Start 5:
• Found in 8 of 24 (33.3%) of genes in pham
• Manual Annotations of this start: 8 of 23
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bantam_48 (DL), BrutonGaster_53 (CQ2), Daredevil_44 (DL), DatBoi_47 (DL), Mollymur_48 (DL), OneUp_57 (CQ2), SpeedDemon_490 (DL), Towmatter_43 (DL),

Summary by clusters:

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

Info for manual annotations of cluster CQ1:
•Start number 2 was manually annotated 3 times for cluster CQ1.
•Start number 3 was manually annotated 12 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 5 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster DL:
•Start number 5 was manually annotated 6 times for cluster DL.

Gene Information:

Gene: Abscondus_64 Start: 43163, Stop: 43372, Start Num: 2
Candidate Starts for Abscondus_64:
(Start: 2 @43163 has 3 MA's), (Start: 3 @43178 has 12 MA's), (6, 43205), (7, 43226), (9, 43256), (13, 43349),

Gene: Aphelion_64 Start: 43446, Stop: 43640, Start Num: 3
Candidate Starts for Aphelion_64:
(Start: 2 @43431 has 3 MA's), (Start: 3 @43446 has 12 MA's), (6, 43473), (7, 43494), (9, 43524), (13, 43617),

Gene: Bachita_66 Start: 43880, Stop: 44074, Start Num: 3

Candidate Starts for Bachita_66:
(Start: 2 @43865 has 3 MA's), (Start: 3 @43880 has 12 MA's), (6, 43907), (7, 43928), (9, 43958), (13, 44051),

Gene: Bantam_48 Start: 42485, Stop: 42661, Start Num: 5
Candidate Starts for Bantam_48:
(1, 42146), (Start: 5 @42485 has 8 MA's), (10, 42593), (11, 42614),

Gene: BrutonGaster_53 Start: 41166, Stop: 41351, Start Num: 5
Candidate Starts for BrutonGaster_53:
(Start: 5 @41166 has 8 MA's), (8, 41229),

Gene: ClubL_65 Start: 43370, Stop: 43564, Start Num: 3
Candidate Starts for ClubL_65:
(Start: 2 @43355 has 3 MA's), (Start: 3 @43370 has 12 MA's), (6, 43397), (7, 43418), (9, 43448), (13, 43541), (14, 43553),

Gene: Cucurbita_66 Start: 44738, Stop: 44932, Start Num: 3
Candidate Starts for Cucurbita_66:
(Start: 2 @44723 has 3 MA's), (Start: 3 @44738 has 12 MA's), (6, 44765), (7, 44786), (9, 44816), (13, 44909),

Gene: Culver_66 Start: 43049, Stop: 43243, Start Num: 3
Candidate Starts for Culver_66:
(Start: 2 @43034 has 3 MA's), (Start: 3 @43049 has 12 MA's), (6, 43076), (7, 43097), (9, 43127), (13, 43220),

Gene: Daredevil_44 Start: 39196, Stop: 39372, Start Num: 5
Candidate Starts for Daredevil_44:
(Start: 5 @39196 has 8 MA's), (11, 39325),

Gene: DatBoi_47 Start: 42526, Stop: 42702, Start Num: 5
Candidate Starts for DatBoi_47:
(Start: 5 @42526 has 8 MA's), (11, 42655),

Gene: Dusty_64 Start: 43170, Stop: 43379, Start Num: 2
Candidate Starts for Dusty_64:
(Start: 2 @43170 has 3 MA's), (Start: 3 @43185 has 12 MA's), (6, 43212), (7, 43233), (9, 43263), (13, 43356),

Gene: Engineer_66 Start: 43853, Stop: 44047, Start Num: 3
Candidate Starts for Engineer_66:
(Start: 2 @43838 has 3 MA's), (Start: 3 @43853 has 12 MA's), (6, 43880), (7, 43901), (9, 43931), (13, 44024),

Gene: Geeche_63 Start: 43268, Stop: 43462, Start Num: 3
Candidate Starts for Geeche_63:
(Start: 2 @43253 has 3 MA's), (Start: 3 @43268 has 12 MA's), (6, 43295), (7, 43316), (9, 43346), (13, 43439),

Gene: Lozinak_65 Start: 43664, Stop: 43873, Start Num: 2
Candidate Starts for Lozinak_65:

(Start: 2 @43664 has 3 MA's), (Start: 3 @43679 has 12 MA's), (6, 43706), (7, 43727), (9, 43757), (13, 43850), (14, 43862),

Gene: Miskis_62 Start: 43212, Stop: 43406, Start Num: 3
Candidate Starts for Miskis_62:
(Start: 2 @43197 has 3 MA's), (Start: 3 @43212 has 12 MA's), (6, 43239), (7, 43260), (9, 43290), (13, 43383),

Gene: Mollymur_48 Start: 43009, Stop: 43185, Start Num: 5
Candidate Starts for Mollymur_48:
(4, 43003), (Start: 5 @43009 has 8 MA's), (7, 43048),

Gene: Norvs_65 Start: 43451, Stop: 43645, Start Num: 3
Candidate Starts for Norvs_65:
(Start: 2 @43436 has 3 MA's), (Start: 3 @43451 has 12 MA's), (6, 43478), (7, 43499), (9, 43529), (13, 43622),

Gene: OneUp_57 Start: 42866, Stop: 43051, Start Num: 5
Candidate Starts for OneUp_57:
(Start: 5 @42866 has 8 MA's), (8, 42929), (12, 43004),

Gene: PhinkBoden_64 Start: 43832, Stop: 44026, Start Num: 3
Candidate Starts for PhinkBoden_64:
(Start: 2 @43817 has 3 MA's), (Start: 3 @43832 has 12 MA's), (6, 43859), (7, 43880), (9, 43910), (13, 44003),

Gene: Smoothie_66 Start: 43679, Stop: 43873, Start Num: 3
Candidate Starts for Smoothie_66:
(Start: 2 @43664 has 3 MA's), (Start: 3 @43679 has 12 MA's), (6, 43706), (7, 43727), (9, 43757), (13, 43850), (14, 43862),

Gene: SpeedDemon_490 Start: 44185, Stop: 44361, Start Num: 5
Candidate Starts for SpeedDemon_490:
(1, 43846), (Start: 5 @44185 has 8 MA's), (11, 44314),

Gene: Toniann_65 Start: 43394, Stop: 43588, Start Num: 3
Candidate Starts for Toniann_65:
(Start: 2 @43379 has 3 MA's), (Start: 3 @43394 has 12 MA's), (6, 43421), (7, 43442), (9, 43472), (13, 43565),

Gene: Towmatter_43 Start: 39033, Stop: 39209, Start Num: 5
Candidate Starts for Towmatter_43:
(Start: 5 @39033 has 8 MA's), (11, 39162),

Gene: WilliamBoone_64 Start: 42346, Stop: 42540, Start Num: 3
Candidate Starts for WilliamBoone_64:
(Start: 2 @42331 has 3 MA's), (Start: 3 @42346 has 12 MA's), (7, 42394), (13, 42517),