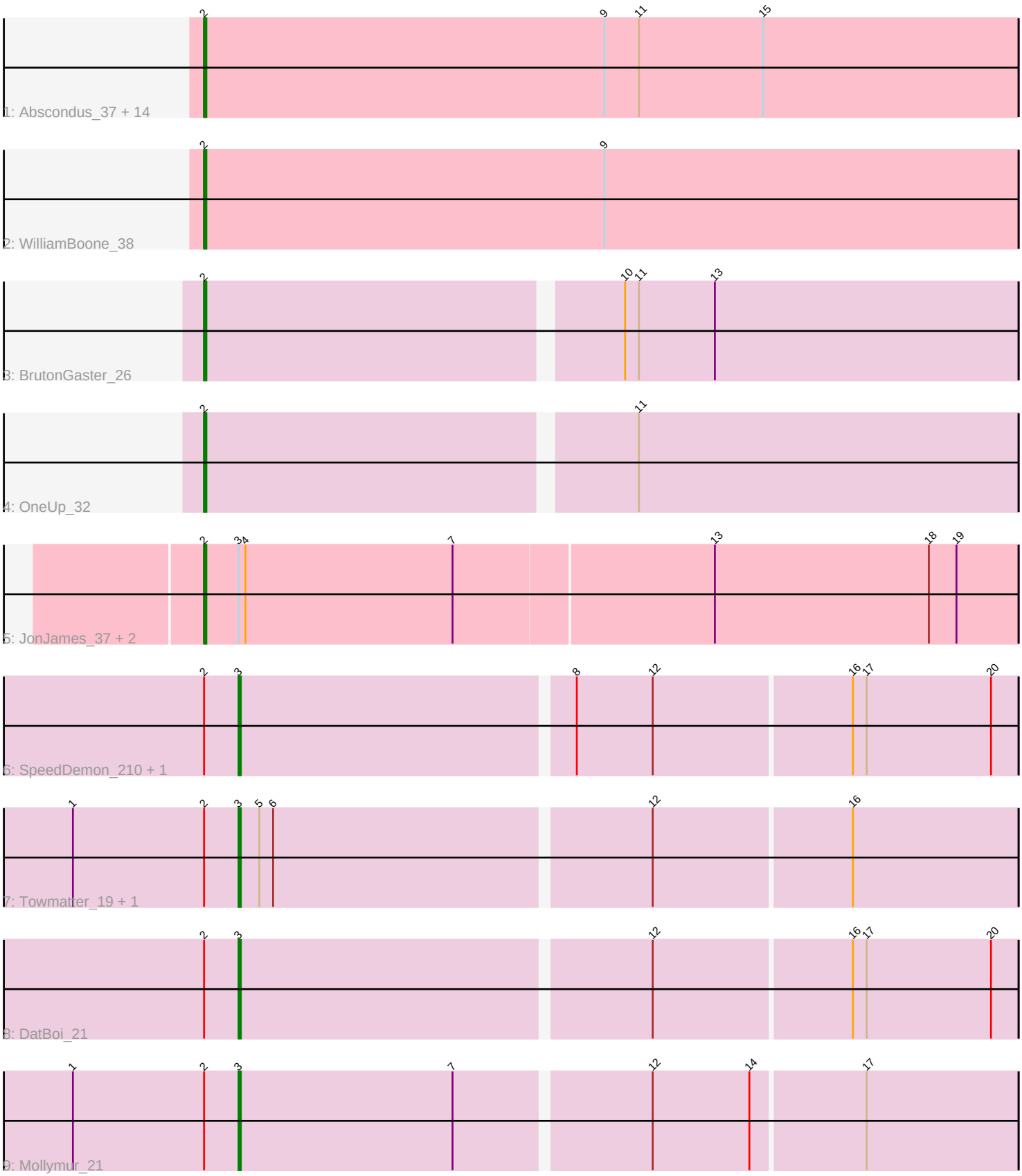
Pham 347943


2
9
11
15
1: Abscondus_37 + 14
2
9
2: WilliamBoone_38
2
10
11
13
3: BrutonGaster_26
2
11
4: OneUp_32
2
3
4
7
13
18
19
5: JonJames_37 + 2
2
3
8
12
16
17
20
6: SpeedDemon_210 + 1
1
2
3
5
6
12
16
7: Towmatter_19 + 1
2
3
12
16
17
20
8: DatBoi_21
1
2
3
7
12
14
17
9: Mollymur_21

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 347943 Report

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

Pham number 347943 has 27 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Abscondus_37, Aphelion_38, Toniann_38, Bachita_40, Norvs_39, Geeche_37, ClubL_38, Smoothie_39, Dusty_37, Culver_38, Lozinak_38, Miskis_36, PhinkBoden_38, Cucurbita_40, Engineer_39
• Track 2 : WilliamBoone_38
• Track 3 : BrutonGaster_26
• Track 4 : OneUp_32
• Track 5 : JonJames_37, Cardigan_36, Yvonnetastic_35
• Track 6 : SpeedDemon_210, Bantam_20
• Track 7 : Towmatter_19, Daredevil_20
• Track 8 : DatBoi_21
• Track 9 : Mollymur_21

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

The start number called the most often in the published annotations is 2, it was called in 20 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_37, Aphelion_38, Bachita_40, BrutonGaster_26, Cardigan_36, ClubL_38, Cucurbita_40, Culver_38, Dusty_37, Engineer_39, Geeche_37, JonJames_37, Lozinak_38, Miskis_36, Norvs_39, OneUp_32, PhinkBoden_38, Smoothie_39, Toniann_38, WilliamBoone_38, Yvonnetastic_35,

Genes that have the "Most Annotated" start but do not call it:
• Bantam_20, Daredevil_20, DatBoi_21, Mollymur_21, SpeedDemon_210, Towmatter_19,

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

Summary by start number:

Start 2:
• Found in 27 of 27 (100.0%) of genes in pham

• Manual Annotations of this start: 20 of 26
• Called 77.8% of time when present
• Phage (with cluster) where this start called: Abscondus_37 (CQ1), Aphelion_38 (CQ1), Bachita_40 (CQ1), BrutonGaster_26 (CQ2), Cardigan_36 (DD), ClubL_38 (CQ1), Cucurbita_40 (CQ1), Culver_38 (CQ1), Dusty_37 (CQ1), Engineer_39 (CQ1), Geeche_37 (CQ1), JonJames_37 (DD), Lozinak_38 (CQ1), Miskis_36 (CQ1), Norvs_39 (CQ1), OneUp_32 (CQ2), PhinkBoden_38 (CQ1), Smoothie_39 (CQ1), Toniann_38 (CQ1), WilliamBoone_38 (CQ1), Yvonnetastic_35 (DD),

Start 3:
• Found in 9 of 27 (33.3%) of genes in pham
• Manual Annotations of this start: 6 of 26
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Bantam_20 (DL), Daredevil_20 (DL), DatBoi_21 (DL), Mollymur_21 (DL), SpeedDemon_210 (DL), Towmatter_19 (DL),

Summary by clusters:

There are 4 clusters represented in this pham: CQ2, DL, CQ1, DD,

Info for manual annotations of cluster CQ1:
•Start number 2 was manually annotated 15 times for cluster CQ1.

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

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

Info for manual annotations of cluster DL:
•Start number 3 was manually annotated 6 times for cluster DL.

Gene Information:

Gene: Abscondus_37 Start: 15874, Stop: 16227, Start Num: 2
Candidate Starts for Abscondus_37:
(Start: 2 @15874 has 20 MA's), (9, 16048), (11, 16063), (15, 16117),

Gene: Aphelion_38 Start: 16143, Stop: 16496, Start Num: 2
Candidate Starts for Aphelion_38:
(Start: 2 @16143 has 20 MA's), (9, 16317), (11, 16332), (15, 16386),

Gene: Bachita_40 Start: 16576, Stop: 16929, Start Num: 2
Candidate Starts for Bachita_40:
(Start: 2 @16576 has 20 MA's), (9, 16750), (11, 16765), (15, 16819),

Gene: Bantam_20 Start: 13628, Stop: 13957, Start Num: 3
Candidate Starts for Bantam_20:
(Start: 2 @13613 has 20 MA's), (Start: 3 @13628 has 6 MA's), (8, 13769), (12, 13802), (16, 13886), (17, 13892), (20, 13946),

Gene: BrutonGaster_26 Start: 12775, Stop: 13119, Start Num: 2
Candidate Starts for BrutonGaster_26:
(Start: 2 @12775 has 20 MA's), (10, 12949), (11, 12955), (13, 12988),

Gene: Cardigan_36 Start: 17772, Stop: 18122, Start Num: 2
Candidate Starts for Cardigan_36:
(Start: 2 @17772 has 20 MA's), (Start: 3 @17787 has 6 MA's), (4, 17790), (7, 17880), (13, 17991), (18, 18084), (19, 18096),

Gene: ClubL_38 Start: 16065, Stop: 16418, Start Num: 2
Candidate Starts for ClubL_38:
(Start: 2 @16065 has 20 MA's), (9, 16239), (11, 16254), (15, 16308),

Gene: Cucurbita_40 Start: 17435, Stop: 17788, Start Num: 2
Candidate Starts for Cucurbita_40:
(Start: 2 @17435 has 20 MA's), (9, 17609), (11, 17624), (15, 17678),

Gene: Culver_38 Start: 15874, Stop: 16227, Start Num: 2
Candidate Starts for Culver_38:
(Start: 2 @15874 has 20 MA's), (9, 16048), (11, 16063), (15, 16117),

Gene: Daredevil_20 Start: 12467, Stop: 12796, Start Num: 3
Candidate Starts for Daredevil_20:
(1, 12395), (Start: 2 @12452 has 20 MA's), (Start: 3 @12467 has 6 MA's), (5, 12476), (6, 12482), (12, 12641), (16, 12725),

Gene: DatBoi_21 Start: 14419, Stop: 14748, Start Num: 3
Candidate Starts for DatBoi_21:
(Start: 2 @14404 has 20 MA's), (Start: 3 @14419 has 6 MA's), (12, 14593), (16, 14677), (17, 14683), (20, 14737),

Gene: Dusty_37 Start: 15874, Stop: 16227, Start Num: 2
Candidate Starts for Dusty_37:
(Start: 2 @15874 has 20 MA's), (9, 16048), (11, 16063), (15, 16117),

Gene: Engineer_39 Start: 16091, Stop: 16444, Start Num: 2
Candidate Starts for Engineer_39:
(Start: 2 @16091 has 20 MA's), (9, 16265), (11, 16280), (15, 16334),

Gene: Geeche_37 Start: 15965, Stop: 16318, Start Num: 2
Candidate Starts for Geeche_37:
(Start: 2 @15965 has 20 MA's), (9, 16139), (11, 16154), (15, 16208),

Gene: JonJames_37 Start: 19987, Stop: 20337, Start Num: 2
Candidate Starts for JonJames_37:
(Start: 2 @19987 has 20 MA's), (Start: 3 @20002 has 6 MA's), (4, 20005), (7, 20095), (13, 20206), (18, 20299), (19, 20311),

Gene: Lozinak_38 Start: 16146, Stop: 16499, Start Num: 2
Candidate Starts for Lozinak_38:
(Start: 2 @16146 has 20 MA's), (9, 16320), (11, 16335), (15, 16389),

Gene: Miskis_36 Start: 15909, Stop: 16262, Start Num: 2

Candidate Starts for Miskis_36:
(Start: 2 @15909 has 20 MA's), (9, 16083), (11, 16098), (15, 16152),

Gene: Mollymur_21 Start: 14469, Stop: 14798, Start Num: 3
Candidate Starts for Mollymur_21:
(1, 14397), (Start: 2 @14454 has 20 MA's), (Start: 3 @14469 has 6 MA's), (7, 14562), (12, 14643), (14, 14685), (17, 14733),

Gene: Norvs_39 Start: 16148, Stop: 16501, Start Num: 2
Candidate Starts for Norvs_39:
(Start: 2 @16148 has 20 MA's), (9, 16322), (11, 16337), (15, 16391),

Gene: OneUp_32 Start: 13864, Stop: 14208, Start Num: 2
Candidate Starts for OneUp_32:
(Start: 2 @13864 has 20 MA's), (11, 14044),

Gene: PhinkBoden_38 Start: 16529, Stop: 16882, Start Num: 2
Candidate Starts for PhinkBoden_38:
(Start: 2 @16529 has 20 MA's), (9, 16703), (11, 16718), (15, 16772),

Gene: Smoothie_39 Start: 16146, Stop: 16499, Start Num: 2
Candidate Starts for Smoothie_39:
(Start: 2 @16146 has 20 MA's), (9, 16320), (11, 16335), (15, 16389),

Gene: SpeedDemon_210 Start: 13944, Stop: 14273, Start Num: 3
Candidate Starts for SpeedDemon_210:
(Start: 2 @13929 has 20 MA's), (Start: 3 @13944 has 6 MA's), (8, 14085), (12, 14118), (16, 14202), (17, 14208), (20, 14262),

Gene: Toniann_38 Start: 16091, Stop: 16444, Start Num: 2
Candidate Starts for Toniann_38:
(Start: 2 @16091 has 20 MA's), (9, 16265), (11, 16280), (15, 16334),

Gene: Towmatter_19 Start: 12289, Stop: 12618, Start Num: 3
Candidate Starts for Towmatter_19:
(1, 12217), (Start: 2 @12274 has 20 MA's), (Start: 3 @12289 has 6 MA's), (5, 12298), (6, 12304), (12, 12463), (16, 12547),

Gene: WilliamBoone_38 Start: 15455, Stop: 15808, Start Num: 2
Candidate Starts for WilliamBoone_38:
(Start: 2 @15455 has 20 MA's), (9, 15629),

Gene: Yvonnetastic_35 Start: 17536, Stop: 17886, Start Num: 2
Candidate Starts for Yvonnetastic_35:
(Start: 2 @17536 has 20 MA's), (Start: 3 @17551 has 6 MA's), (4, 17554), (7, 17644), (13, 17755), (18, 17848), (19, 17860),