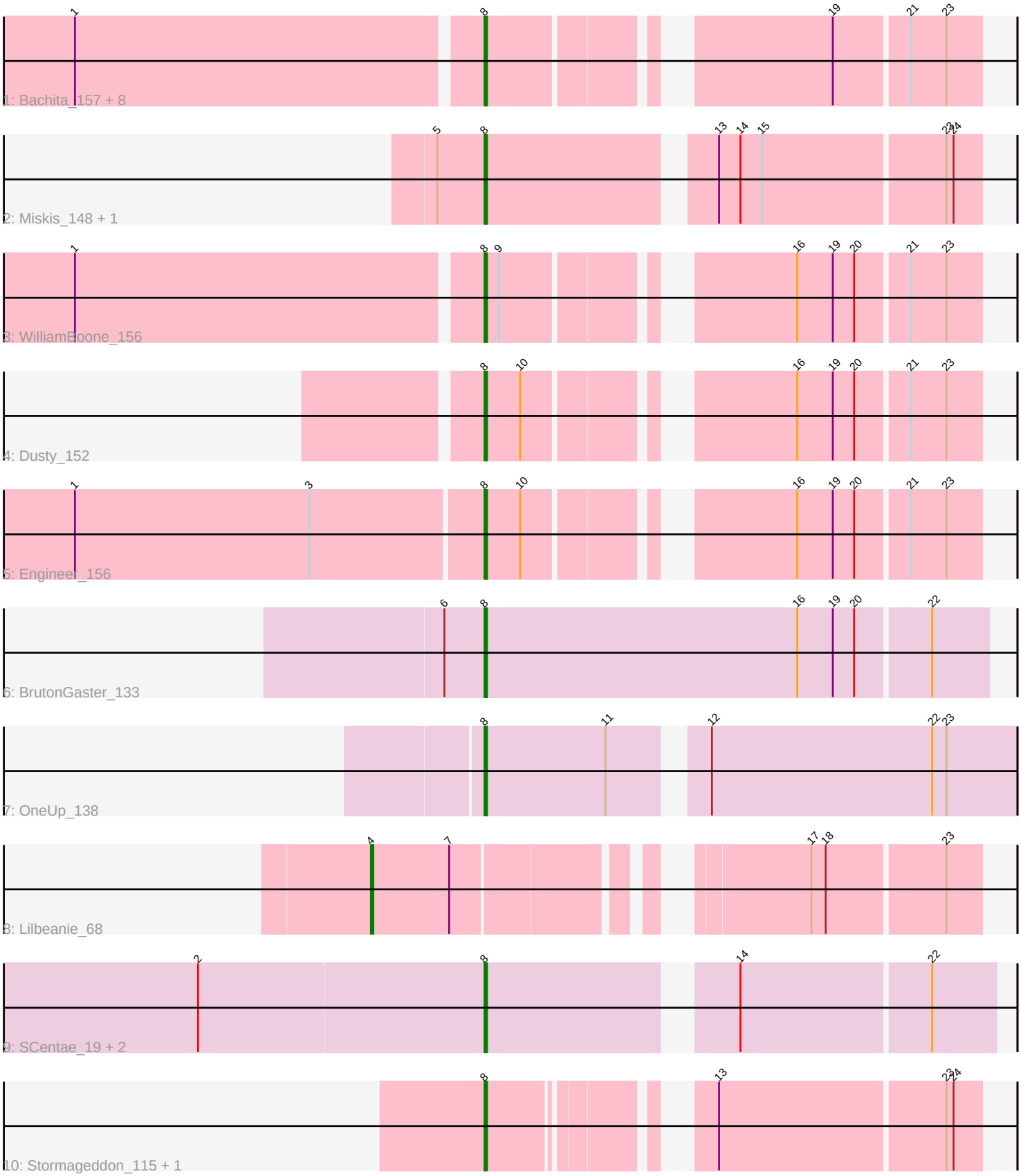
Pham 344375


1
8
19
21
23
1: Bachita_157 + 8
5
8
13
14
15
23
24
2: Miskis_148 + 1
1
8
9
16
19
20
21
23
3: WilliamBoone_156
8
10
16
19
20
21
23
4: Dusty_152
1
3
8
10
16
19
20
21
23
5: Engineer_156
6
8
16
19
20
22
6: BrutonGaster_133
8
11
12
22
23
7: OneUp_138
4
7
17
18
23
8: Lilbeanie_68
2
8
14
22
9: SCentae_19 + 2
8
13
23
24
10: Stormageddon_115 + 1

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 344375 Report

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

Pham number 344375 has 22 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Bachita_157, Abscondus_152, Geeche_154, ClubL_155, Cucurbita_153, Lozinak_154, PhinkBoden_152, Toniann_154, Norvs_152
• Track 2 : Miskis_148, Aphelion_154
• Track 3 : WilliamBoone_156
• Track 4 : Dusty_152
• Track 5 : Engineer_156
• Track 6 : BrutonGaster_133
• Track 7 : OneUp_138
• Track 8 : Lilbeanie_68
• Track 9 : SCentae_19, Pupper_19, CherryTomatoes_21
• Track 10 : Stormageddon_115, RedWattleHog_116

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

The start number called the most often in the published annotations is 8, it was called in 20 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_152, Aphelion_154, Bachita_157, BrutonGaster_133, CherryTomatoes_21, ClubL_155, Cucurbita_153, Dusty_152, Engineer_156, Geeche_154, Lozinak_154, Miskis_148, Norvs_152, OneUp_138, PhinkBoden_152, Pupper_19, RedWattleHog_116, SCentae_19, Stormageddon_115, Toniann_154, WilliamBoone_156,

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

Genes that do not have the "Most Annotated" start:
• Lilbeanie_68,

Summary by start number:

Start 4:
• Found in 1 of 22 (4.5%) of genes in pham

• Manual Annotations of this start: 1 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lilbeanie_68 (DE5),

Start 8:
• Found in 21 of 22 (95.5%) of genes in pham
• Manual Annotations of this start: 20 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_152 (CQ1), Aphelion_154 (CQ1), Bachita_157 (CQ1), BrutonGaster_133 (CQ2), CherryTomatoes_21 (DO), ClubL_155 (CQ1), Cucurbita_153 (CQ1), Dusty_152 (CQ1), Engineer_156 (CQ1), Geeche_154 (CQ1), Lozinak_154 (CQ1), Miskis_148 (CQ1), Norvs_152 (CQ1), OneUp_138 (CQ2), PhinkBoden_152 (CQ1), Pupper_19 (DO), RedWattleHog_116 (DX), SCentae_19 (DO), Stormageddon_115 (DX), Toniann_154 (CQ1), WilliamBoone_156 (CQ1),

Summary by clusters:

There are 5 clusters represented in this pham: DO, CQ1, DE5, DX, CQ2,

Info for manual annotations of cluster CQ1:
•Start number 8 was manually annotated 13 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 8 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster DE5:
•Start number 4 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DO:
•Start number 8 was manually annotated 3 times for cluster DO.

Info for manual annotations of cluster DX:
•Start number 8 was manually annotated 2 times for cluster DX.

Gene Information:

Gene: Abscondus_152 Start: 82300, Stop: 82118, Start Num: 8
Candidate Starts for Abscondus_152:
(1, 82465), (Start: 8 @82300 has 20 MA's), (19, 82177), (21, 82147), (23, 82132),

Gene: Aphelion_154 Start: 83351, Stop: 83157, Start Num: 8
Candidate Starts for Aphelion_154:
(5, 83369), (Start: 8 @83351 has 20 MA's), (13, 83264), (14, 83255), (15, 83246), (23, 83171), (24, 83168),

Gene: Bachita_157 Start: 83340, Stop: 83158, Start Num: 8
Candidate Starts for Bachita_157:
(1, 83505), (Start: 8 @83340 has 20 MA's), (19, 83217), (21, 83187), (23, 83172),

Gene: BrutonGaster_133 Start: 78245, Stop: 78036, Start Num: 8

Candidate Starts for BrutonGaster_133:
(6, 78260), (Start: 8 @78245 has 20 MA's), (16, 78113), (19, 78098), (20, 78089), (22, 78059),

Gene: CherryTomatoes_21 Start: 6088, Stop: 6285, Start Num: 8
Candidate Starts for CherryTomatoes_21:
(2, 5968), (Start: 8 @6088 has 20 MA's), (14, 6181), (22, 6259),

Gene: ClubL_155 Start: 82592, Stop: 82410, Start Num: 8
Candidate Starts for ClubL_155:
(1, 82757), (Start: 8 @82592 has 20 MA's), (19, 82469), (21, 82439), (23, 82424),

Gene: Cucurbita_153 Start: 83653, Stop: 83471, Start Num: 8
Candidate Starts for Cucurbita_153:
(1, 83818), (Start: 8 @83653 has 20 MA's), (19, 83530), (21, 83500), (23, 83485),

Gene: Dusty_152 Start: 82329, Stop: 82147, Start Num: 8
Candidate Starts for Dusty_152:
(Start: 8 @82329 has 20 MA's), (10, 82314), (16, 82221), (19, 82206), (20, 82197), (21, 82176), (23, 82161),

Gene: Engineer_156 Start: 83176, Stop: 82994, Start Num: 8
Candidate Starts for Engineer_156:
(1, 83344), (3, 83245), (Start: 8 @83176 has 20 MA's), (10, 83161), (16, 83068), (19, 83053), (20, 83044), (21, 83023), (23, 83008),

Gene: Geeche_154 Start: 82553, Stop: 82371, Start Num: 8
Candidate Starts for Geeche_154:
(1, 82718), (Start: 8 @82553 has 20 MA's), (19, 82430), (21, 82400), (23, 82385),

Gene: Lilbeanie_68 Start: 46762, Stop: 46986, Start Num: 4
Candidate Starts for Lilbeanie_68:
(Start: 4 @46762 has 1 MA's), (7, 46795), (17, 46918), (18, 46924), (23, 46972),

Gene: Lozinak_154 Start: 83181, Stop: 82999, Start Num: 8
Candidate Starts for Lozinak_154:
(1, 83346), (Start: 8 @83181 has 20 MA's), (19, 83058), (21, 83028), (23, 83013),

Gene: Miskis_148 Start: 82100, Stop: 81906, Start Num: 8
Candidate Starts for Miskis_148:
(5, 82118), (Start: 8 @82100 has 20 MA's), (13, 82013), (14, 82004), (15, 81995), (23, 81920), (24, 81917),

Gene: Norvs_152 Start: 82372, Stop: 82190, Start Num: 8
Candidate Starts for Norvs_152:
(1, 82537), (Start: 8 @82372 has 20 MA's), (19, 82249), (21, 82219), (23, 82204),

Gene: OneUp_138 Start: 81661, Stop: 81449, Start Num: 8
Candidate Starts for OneUp_138:
(Start: 8 @81661 has 20 MA's), (11, 81610), (12, 81577), (22, 81484), (23, 81478),

Gene: PhinkBoden_152 Start: 82770, Stop: 82588, Start Num: 8
Candidate Starts for PhinkBoden_152:
(1, 82935), (Start: 8 @82770 has 20 MA's), (19, 82647), (21, 82617), (23, 82602),

Gene: Pupper_19 Start: 5861, Stop: 6058, Start Num: 8
Candidate Starts for Pupper_19:
(2, 5741), (Start: 8 @5861 has 20 MA's), (14, 5954), (22, 6032),

Gene: RedWattleHog_116 Start: 90100, Stop: 90279, Start Num: 8
Candidate Starts for RedWattleHog_116:
(Start: 8 @90100 has 20 MA's), (13, 90172), (23, 90265), (24, 90268),

Gene: SCentae_19 Start: 5860, Stop: 6057, Start Num: 8
Candidate Starts for SCentae_19:
(2, 5740), (Start: 8 @5860 has 20 MA's), (14, 5953), (22, 6031),

Gene: Stormageddon_115 Start: 90034, Stop: 90213, Start Num: 8
Candidate Starts for Stormageddon_115:
(Start: 8 @90034 has 20 MA's), (13, 90106), (23, 90199), (24, 90202),

Gene: Toniann_154 Start: 82513, Stop: 82331, Start Num: 8
Candidate Starts for Toniann_154:
(1, 82678), (Start: 8 @82513 has 20 MA's), (19, 82390), (21, 82360), (23, 82345),

Gene: WilliamBoone_156 Start: 80973, Stop: 80791, Start Num: 8
Candidate Starts for WilliamBoone_156:
(1, 81138), (Start: 8 @80973 has 20 MA's), (9, 80967), (16, 80865), (19, 80850), (20, 80841), (21, 80820), (23, 80805),