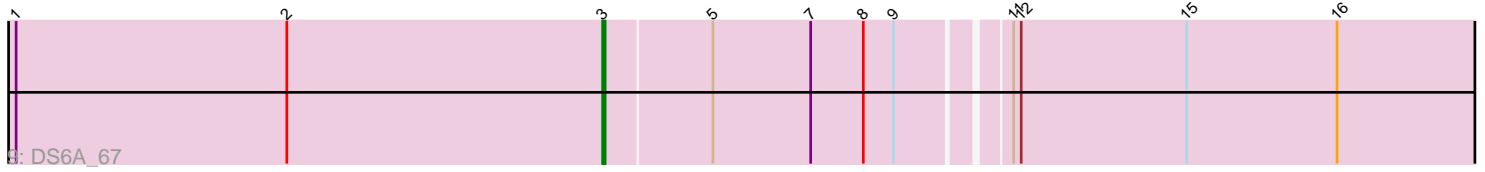
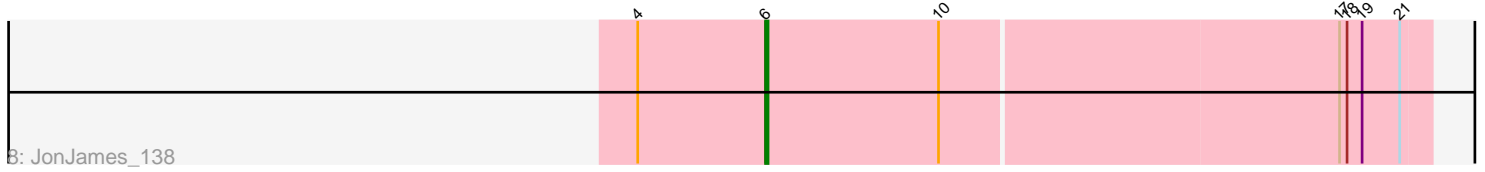
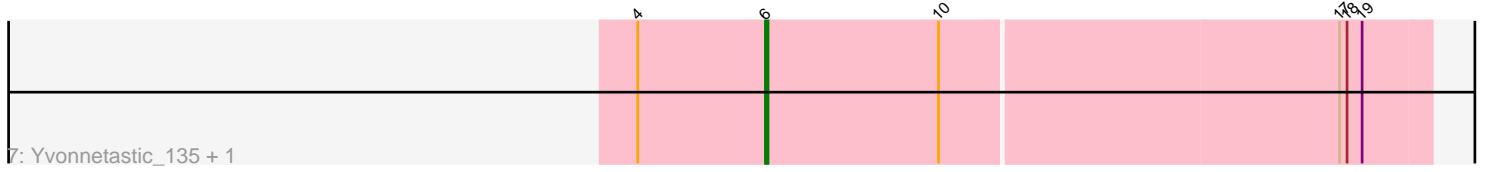
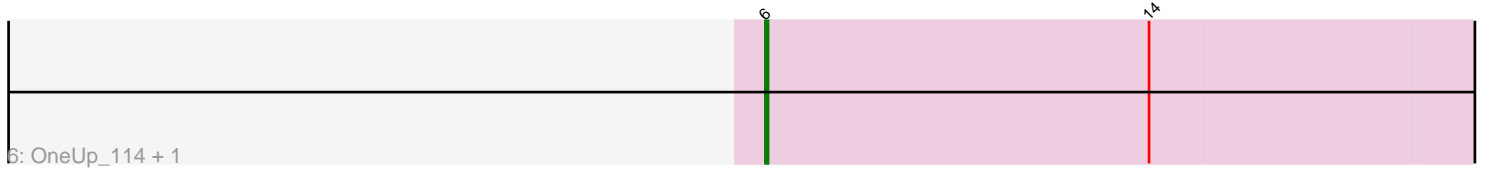
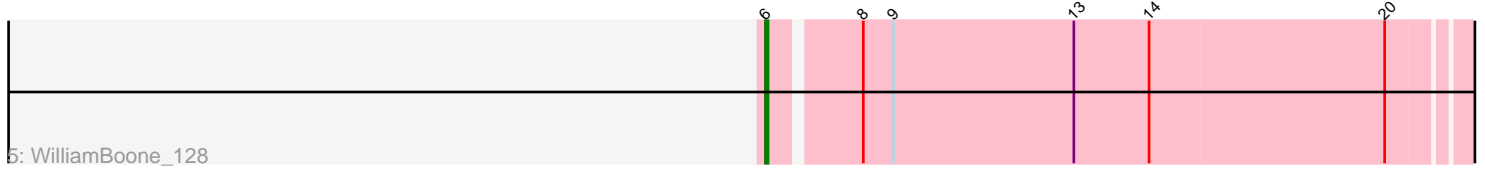
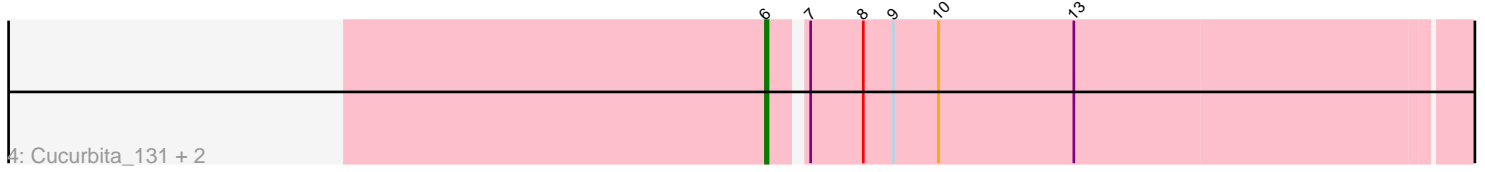
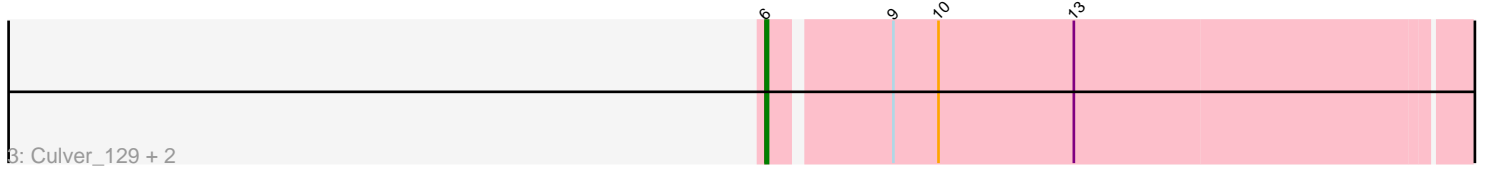
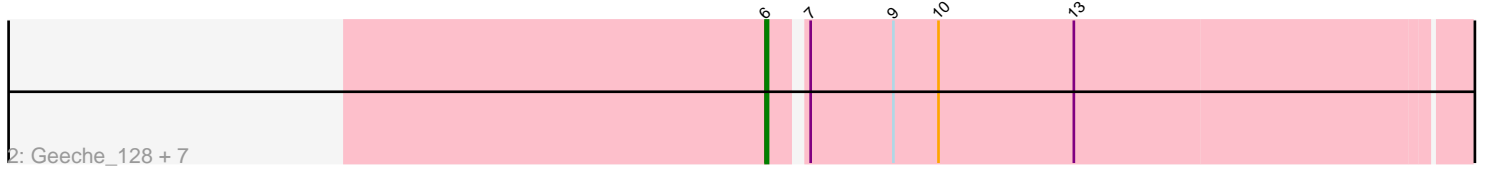
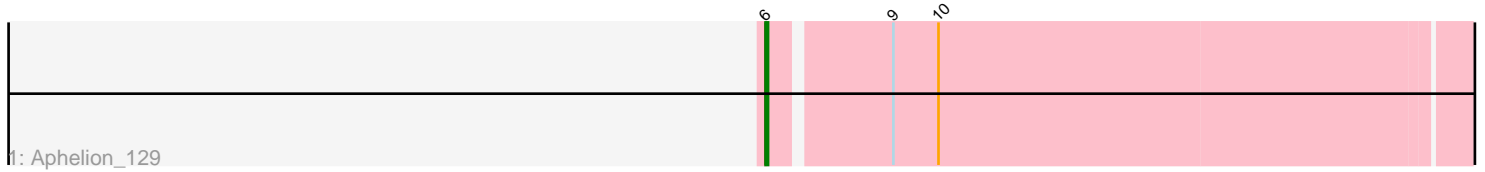


Pham 312008



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 312008 Report

This analysis was run 06/27/26 on database version 652.

Pham number 312008 has 22 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Aphelion_129
- Track 2 : Geeche_128, ClubL_130, Smoothie_131, Lozinak_130, Miskis_125, Abscondus_129, Toniann_130, Dusty_127
- Track 3 : Culver_129, PhinkBoden_129, Norvs_128
- Track 4 : Cucurbita_131, Bachita_133, Engineer_132
- Track 5 : WilliamBoone_128
- Track 6 : OneUp_114, BrutonGaster_104
- Track 7 : Yvonnetastic_135, Cardigan_142
- Track 8 : JonJames_138
- Track 9 : DS6A_67

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

The start number called the most often in the published annotations is 6, it was called in 19 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus_129, Aphelion_129, Bachita_133, BrutonGaster_104, Cardigan_142, ClubL_130, Cucurbita_131, Culver_129, Dusty_127, Engineer_132, Geeche_128, JonJames_138, Lozinak_130, Miskis_125, Norvs_128, OneUp_114, PhinkBoden_129, Smoothie_131, Toniann_130, WilliamBoone_128, Yvonnetastic_135,

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

-

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

- DS6A_67,

Summary by start number:

Start 3:

- Found in 1 of 22 (4.5%) of genes in pham
- Manual Annotations of this start: 1 of 20

- Called 100.0% of time when present
- Phage (with cluster) where this start called: DS6A_67 (singleton),

Start 6:

- Found in 21 of 22 (95.5%) of genes in pham
- Manual Annotations of this start: 19 of 20
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_129 (CQ1), Aphelion_129 (CQ1), Bachita_133 (CQ1), BrutonGaster_104 (CQ2), Cardigan_142 (DD), ClubL_130 (CQ1), Cucurbita_131 (CQ1), Culver_129 (CQ1), Dusty_127 (CQ1), Engineer_132 (CQ1), Geeche_128 (CQ1), JonJames_138 (DD), Lozinak_130 (CQ1), Miskis_125 (CQ1), Norvs_128 (CQ1), OneUp_114 (CQ2), PhinkBoden_129 (CQ1), Smoothie_131 (CQ1), Toniann_130 (CQ1), WilliamBoone_128 (CQ1), Yvonnestic_135 (DD),

Summary by clusters:

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

Info for manual annotations of cluster CQ1:

- Start number 6 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 6 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster DD:

- Start number 6 was manually annotated 2 times for cluster DD.

Gene Information:

Gene: Abscondus_129 Start: 72579, Stop: 72848, Start Num: 6

Candidate Starts for Abscondus_129:

(Start: 6 @72579 has 19 MA's), (7, 72591), (9, 72624), (10, 72642), (13, 72696),

Gene: Aphelion_129 Start: 73451, Stop: 73720, Start Num: 6

Candidate Starts for Aphelion_129:

(Start: 6 @73451 has 19 MA's), (9, 73496), (10, 73514),

Gene: Bachita_133 Start: 73599, Stop: 73868, Start Num: 6

Candidate Starts for Bachita_133:

(Start: 6 @73599 has 19 MA's), (7, 73611), (8, 73632), (9, 73644), (10, 73662), (13, 73716),

Gene: BrutonGaster_104 Start: 66723, Stop: 67001, Start Num: 6

Candidate Starts for BrutonGaster_104:

(Start: 6 @66723 has 19 MA's), (14, 66876),

Gene: Cardigan_142 Start: 78757, Stop: 79017, Start Num: 6

Candidate Starts for Cardigan_142:

(4, 78706), (Start: 6 @78757 has 19 MA's), (10, 78826), (17, 78982), (18, 78985), (19, 78991),

Gene: ClubL_130 Start: 72170, Stop: 72439, Start Num: 6

Candidate Starts for ClubL_130:

(Start: 6 @72170 has 19 MA's), (7, 72182), (9, 72215), (10, 72233), (13, 72287),

Gene: Cucurbita_131 Start: 73912, Stop: 74181, Start Num: 6

Candidate Starts for Cucurbita_131:

(Start: 6 @73912 has 19 MA's), (7, 73924), (8, 73945), (9, 73957), (10, 73975), (13, 74029),

Gene: Culver_129 Start: 71709, Stop: 71978, Start Num: 6

Candidate Starts for Culver_129:

(Start: 6 @71709 has 19 MA's), (9, 71754), (10, 71772), (13, 71826),

Gene: DS6A_67 Start: 44165, Stop: 44503, Start Num: 3

Candidate Starts for DS6A_67:

(1, 43931), (2, 44039), (Start: 3 @44165 has 1 MA's), (5, 44207), (7, 44246), (8, 44267), (9, 44279), (11, 44318), (12, 44321), (15, 44387), (16, 44447),

Gene: Dusty_127 Start: 72141, Stop: 72410, Start Num: 6

Candidate Starts for Dusty_127:

(Start: 6 @72141 has 19 MA's), (7, 72153), (9, 72186), (10, 72204), (13, 72258),

Gene: Engineer_132 Start: 73572, Stop: 73841, Start Num: 6

Candidate Starts for Engineer_132:

(Start: 6 @73572 has 19 MA's), (7, 73584), (8, 73605), (9, 73617), (10, 73635), (13, 73689),

Gene: Geeche_128 Start: 72364, Stop: 72633, Start Num: 6

Candidate Starts for Geeche_128:

(Start: 6 @72364 has 19 MA's), (7, 72376), (9, 72409), (10, 72427), (13, 72481),

Gene: JonJames_138 Start: 78999, Stop: 79259, Start Num: 6

Candidate Starts for JonJames_138:

(4, 78948), (Start: 6 @78999 has 19 MA's), (10, 79068), (17, 79224), (18, 79227), (19, 79233), (21, 79248),

Gene: Lozinak_130 Start: 73232, Stop: 73501, Start Num: 6

Candidate Starts for Lozinak_130:

(Start: 6 @73232 has 19 MA's), (7, 73244), (9, 73277), (10, 73295), (13, 73349),

Gene: Miskis_125 Start: 72664, Stop: 72933, Start Num: 6

Candidate Starts for Miskis_125:

(Start: 6 @72664 has 19 MA's), (7, 72676), (9, 72709), (10, 72727), (13, 72781),

Gene: Norvs_128 Start: 72431, Stop: 72700, Start Num: 6

Candidate Starts for Norvs_128:

(Start: 6 @72431 has 19 MA's), (9, 72476), (10, 72494), (13, 72548),

Gene: OneUp_114 Start: 70710, Stop: 70988, Start Num: 6

Candidate Starts for OneUp_114:

(Start: 6 @70710 has 19 MA's), (14, 70863),

Gene: PhinkBoden_129 Start: 73296, Stop: 73565, Start Num: 6

Candidate Starts for PhinkBoden_129:

(Start: 6 @73296 has 19 MA's), (9, 73341), (10, 73359), (13, 73413),

Gene: Smoothie_131 Start: 73232, Stop: 73501, Start Num: 6

Candidate Starts for Smoothie_131:

(Start: 6 @73232 has 19 MA's), (7, 73244), (9, 73277), (10, 73295), (13, 73349),

Gene: Toniann_130 Start: 72762, Stop: 73031, Start Num: 6

Candidate Starts for Toniann_130:

(Start: 6 @72762 has 19 MA's), (7, 72774), (9, 72807), (10, 72825), (13, 72879),

Gene: WilliamBoone_128 Start: 70232, Stop: 70498, Start Num: 6

Candidate Starts for WilliamBoone_128:

(Start: 6 @70232 has 19 MA's), (8, 70265), (9, 70277), (13, 70349), (14, 70379), (20, 70472),

Gene: Yvonnetastic_135 Start: 75633, Stop: 75893, Start Num: 6

Candidate Starts for Yvonnetastic_135:

(4, 75582), (Start: 6 @75633 has 19 MA's), (10, 75702), (17, 75858), (18, 75861), (19, 75867),