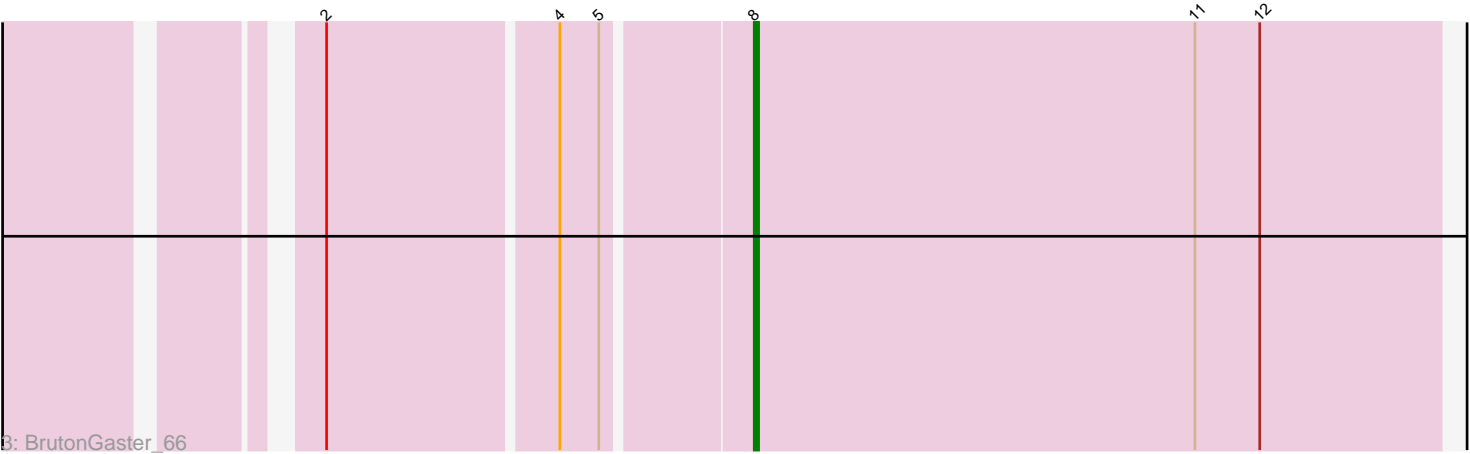
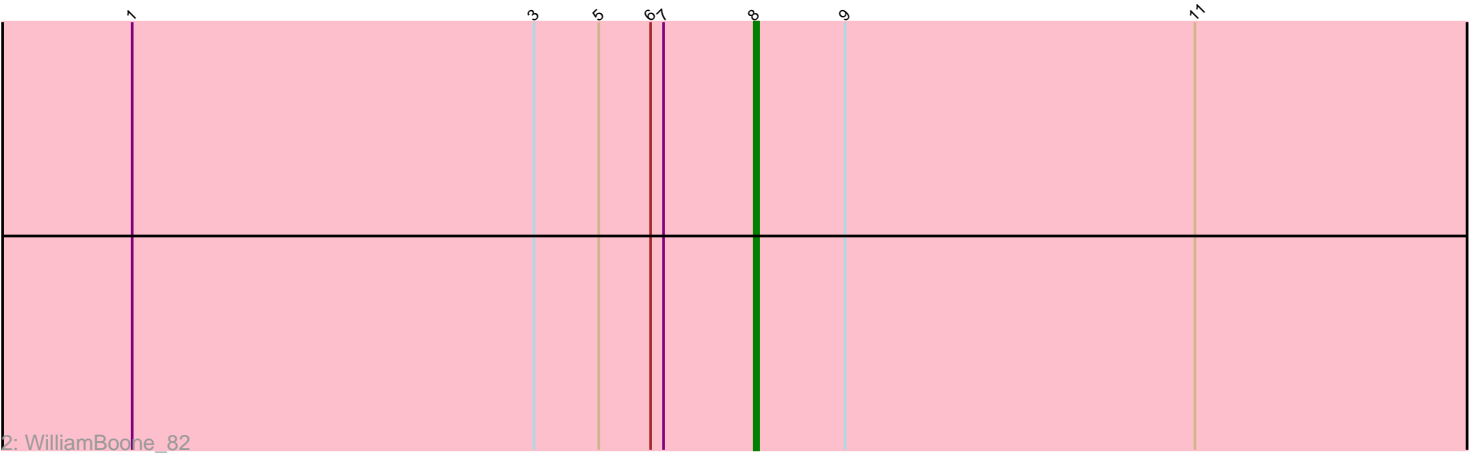
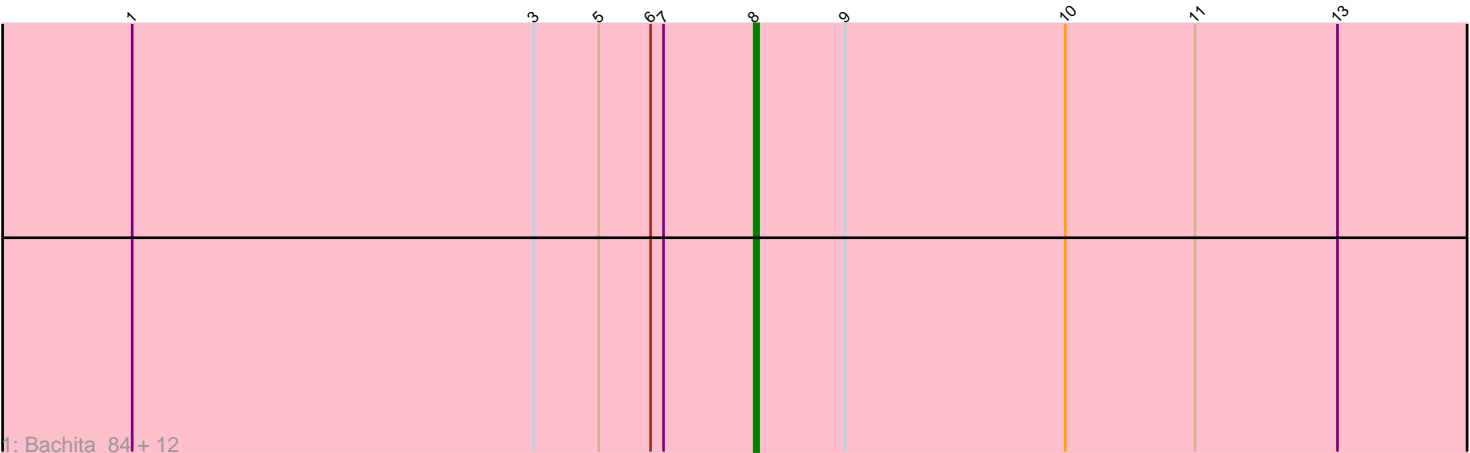


Pham 4770



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 4770 Report

This analysis was run 04/28/24 on database version 559.

Pham number 4770 has 15 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Bachita_84, PhinkBoden_82, Cucurbita_84, Smoothie_84, Culver_84, ClubL_82, Abscondus_82, Engineer_84, Norvs_83, Toniann_83, Aphelion_82, Dusty_79, Lozinak_83
- Track 2 : WilliamBoone_82
- Track 3 : BrutonGaster_66

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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus_82, Aphelion_82, Bachita_84, BrutonGaster_66, ClubL_82, Cucurbita_84, Culver_84, Dusty_79, Engineer_84, Lozinak_83, Norvs_83, PhinkBoden_82, Smoothie_84, Toniann_83, WilliamBoone_82,

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

-

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

-

Summary by start number:

Start 8:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_82 (CQ), Aphelion_82 (CQ1), Bachita_84 (CQ1), BrutonGaster_66 (CQ2), ClubL_82 (CQ1), Cucurbita_84 (CQ1), Culver_84 (CQ1), Dusty_79 (CQ), Engineer_84 (CQ1), Lozinak_83 (CQ1), Norvs_83 (CQ), PhinkBoden_82 (CQ1), Smoothie_84 (CQ1), Toniann_83 (CQ1), WilliamBoone_82 (CQ1),

Summary by clusters:

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

Info for manual annotations of cluster CQ:

- Start number 8 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 8 was manually annotated 11 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 8 was manually annotated 1 time for cluster CQ2.

Gene Information:

Gene: Abscondus_82 Start: 50409, Stop: 50582, Start Num: 8

Candidate Starts for Abscondus_82:

(1, 50265), (3, 50358), (5, 50373), (6, 50385), (7, 50388), (Start: 8 @50409 has 13 MA's), (9, 50430), (10, 50481), (11, 50511), (13, 50544),

Gene: Aphelion_82 Start: 51031, Stop: 51204, Start Num: 8

Candidate Starts for Aphelion_82:

(1, 50887), (3, 50980), (5, 50995), (6, 51007), (7, 51010), (Start: 8 @51031 has 13 MA's), (9, 51052), (10, 51103), (11, 51133), (13, 51166),

Gene: Bachita_84 Start: 51456, Stop: 51629, Start Num: 8

Candidate Starts for Bachita_84:

(1, 51312), (3, 51405), (5, 51420), (6, 51432), (7, 51435), (Start: 8 @51456 has 13 MA's), (9, 51477), (10, 51528), (11, 51558), (13, 51591),

Gene: BrutonGaster_66 Start: 46731, Stop: 46889, Start Num: 8

Candidate Starts for BrutonGaster_66:

(2, 46641), (4, 46692), (5, 46701), (Start: 8 @46731 has 13 MA's), (11, 46833), (12, 46848),

Gene: ClubL_82 Start: 50144, Stop: 50317, Start Num: 8

Candidate Starts for ClubL_82:

(1, 50000), (3, 50093), (5, 50108), (6, 50120), (7, 50123), (Start: 8 @50144 has 13 MA's), (9, 50165), (10, 50216), (11, 50246), (13, 50279),

Gene: Cucurbita_84 Start: 51963, Stop: 52136, Start Num: 8

Candidate Starts for Cucurbita_84:

(1, 51819), (3, 51912), (5, 51927), (6, 51939), (7, 51942), (Start: 8 @51963 has 13 MA's), (9, 51984), (10, 52035), (11, 52065), (13, 52098),

Gene: Culver_84 Start: 50067, Stop: 50240, Start Num: 8

Candidate Starts for Culver_84:

(1, 49923), (3, 50016), (5, 50031), (6, 50043), (7, 50046), (Start: 8 @50067 has 13 MA's), (9, 50088), (10, 50139), (11, 50169), (13, 50202),

Gene: Dusty_79 Start: 49656, Stop: 49829, Start Num: 8

Candidate Starts for Dusty_79:

(1, 49512), (3, 49605), (5, 49620), (6, 49632), (7, 49635), (Start: 8 @49656 has 13 MA's), (9, 49677), (10, 49728), (11, 49758), (13, 49791),

Gene: Engineer_84 Start: 51429, Stop: 51602, Start Num: 8

Candidate Starts for Engineer_84:

(1, 51285), (3, 51378), (5, 51393), (6, 51405), (7, 51408), (Start: 8 @51429 has 13 MA's), (9, 51450), (10, 51501), (11, 51531), (13, 51564),

Gene: Lozinak_83 Start: 51267, Stop: 51440, Start Num: 8

Candidate Starts for Lozinak_83:

(1, 51123), (3, 51216), (5, 51231), (6, 51243), (7, 51246), (Start: 8 @51267 has 13 MA's), (9, 51288), (10, 51339), (11, 51369), (13, 51402),

Gene: Norvs_83 Start: 50676, Stop: 50849, Start Num: 8

Candidate Starts for Norvs_83:

(1, 50532), (3, 50625), (5, 50640), (6, 50652), (7, 50655), (Start: 8 @50676 has 13 MA's), (9, 50697), (10, 50748), (11, 50778), (13, 50811),

Gene: PhinkBoden_82 Start: 51057, Stop: 51230, Start Num: 8

Candidate Starts for PhinkBoden_82:

(1, 50913), (3, 51006), (5, 51021), (6, 51033), (7, 51036), (Start: 8 @51057 has 13 MA's), (9, 51078), (10, 51129), (11, 51159), (13, 51192),

Gene: Smoothie_84 Start: 51267, Stop: 51440, Start Num: 8

Candidate Starts for Smoothie_84:

(1, 51123), (3, 51216), (5, 51231), (6, 51243), (7, 51246), (Start: 8 @51267 has 13 MA's), (9, 51288), (10, 51339), (11, 51369), (13, 51402),

Gene: Toniann_83 Start: 50619, Stop: 50792, Start Num: 8

Candidate Starts for Toniann_83:

(1, 50475), (3, 50568), (5, 50583), (6, 50595), (7, 50598), (Start: 8 @50619 has 13 MA's), (9, 50640), (10, 50691), (11, 50721), (13, 50754),

Gene: WilliamBoone_82 Start: 49367, Stop: 49540, Start Num: 8

Candidate Starts for WilliamBoone_82:

(1, 49223), (3, 49316), (5, 49331), (6, 49343), (7, 49346), (Start: 8 @49367 has 13 MA's), (9, 49388), (11, 49469),