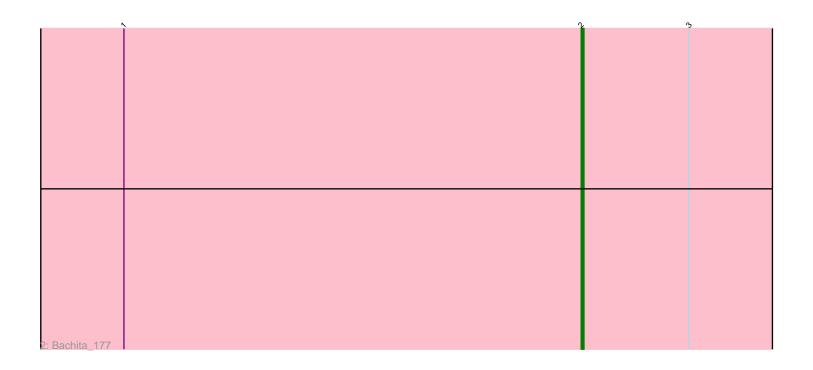# Pham 5773

1: Toniann_175 + 8

2: Bachita_177

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 5773 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5773 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Toniann_175, WilliamBoone_180, Aphelion_173, Norvs_172, Smoothie_176, PhinkBoden_172, ClubL_175, Cucurbita_174, Lozinak_175
• Track 2 : Bachita_177

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aphelion_173, Bachita_177, ClubL_175, Cucurbita_174, Lozinak_175, Norvs_172, PhinkBoden_172, Smoothie_176, Toniann_175, WilliamBoone_180,

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 2:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aphelion_173 (CQ1), Bachita_177 (CQ1), ClubL_175 (CQ1), Cucurbita_174 (CQ1), Lozinak_175 (CQ1), Norvs_172 (CQ), PhinkBoden_172 (CQ1), Smoothie_176 (CQ1), Toniann_175 (CQ1), WilliamBoone_180 (CQ1),

Summary by clusters:

There are 2 clusters represented in this pham: CQ1, CQ,

Info for manual annotations of cluster CQ:
•Start number 2 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:
•Start number 2 was manually annotated 9 times for cluster CQ1.

Gene Information:

Gene: Aphelion_173 Start: 88069, Stop: 87941, Start Num: 2
Candidate Starts for Aphelion_173:
(Start: 2 @88069 has 10 MA's), (3, 88030),

Gene: Bachita_177 Start: 88145, Stop: 88017, Start Num: 2
Candidate Starts for Bachita_177:
(1, 88310), (Start: 2 @88145 has 10 MA's), (3, 88106),

Gene: ClubL_175 Start: 87390, Stop: 87262, Start Num: 2
Candidate Starts for ClubL_175:
(Start: 2 @87390 has 10 MA's), (3, 87351),

Gene: Cucurbita_174 Start: 88451, Stop: 88323, Start Num: 2
Candidate Starts for Cucurbita_174:
(Start: 2 @88451 has 10 MA's), (3, 88412),

Gene: Lozinak_175 Start: 87994, Stop: 87866, Start Num: 2
Candidate Starts for Lozinak_175:
(Start: 2 @87994 has 10 MA's), (3, 87955),

Gene: Norvs_172 Start: 87170, Stop: 87042, Start Num: 2
Candidate Starts for Norvs_172:
(Start: 2 @87170 has 10 MA's), (3, 87131),

Gene: PhinkBoden_172 Start: 87568, Stop: 87440, Start Num: 2
Candidate Starts for PhinkBoden_172:
(Start: 2 @87568 has 10 MA's), (3, 87529),

Gene: Smoothie_176 Start: 87866, Stop: 87738, Start Num: 2
Candidate Starts for Smoothie_176:
(Start: 2 @87866 has 10 MA's), (3, 87827),

Gene: Toniann_175 Start: 87311, Stop: 87183, Start Num: 2
Candidate Starts for Toniann_175:
(Start: 2 @87311 has 10 MA's), (3, 87272),

Gene: WilliamBoone_180 Start: 86805, Stop: 86677, Start Num: 2
Candidate Starts for WilliamBoone_180:
(Start: 2 @86805 has 10 MA's), (3, 86766),