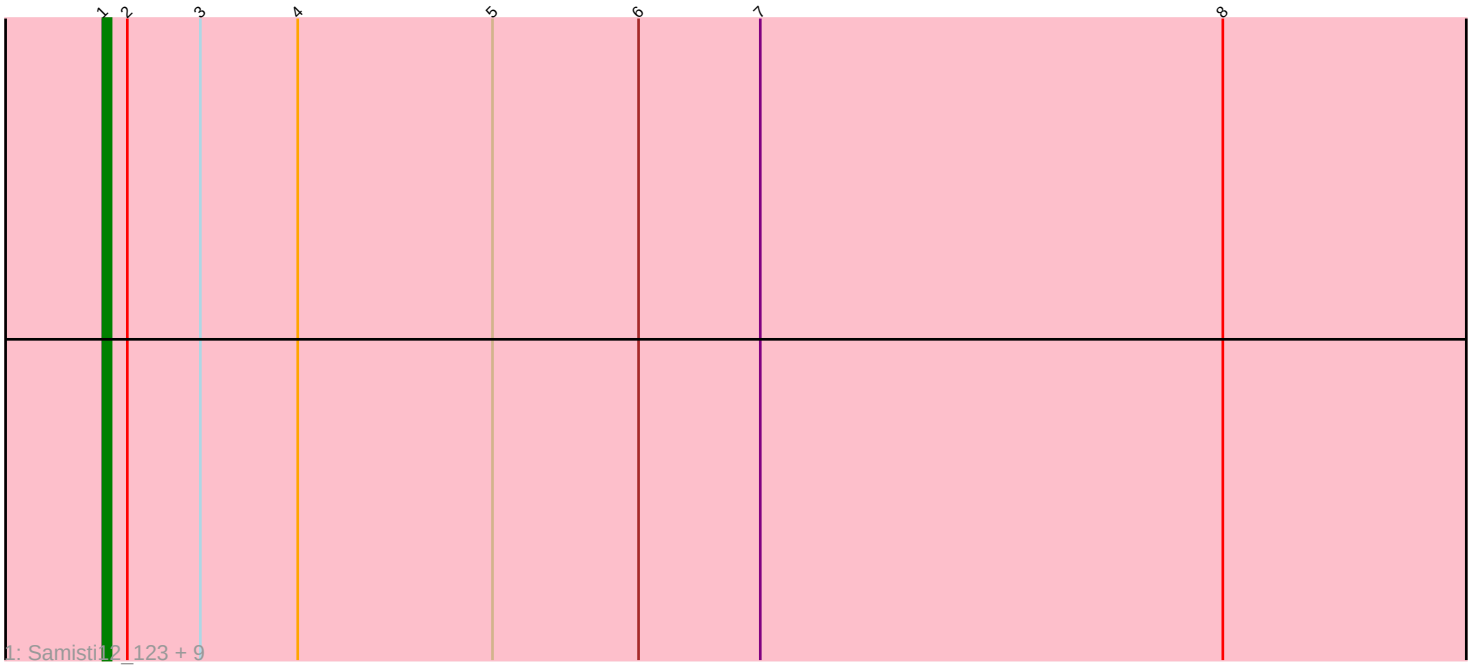
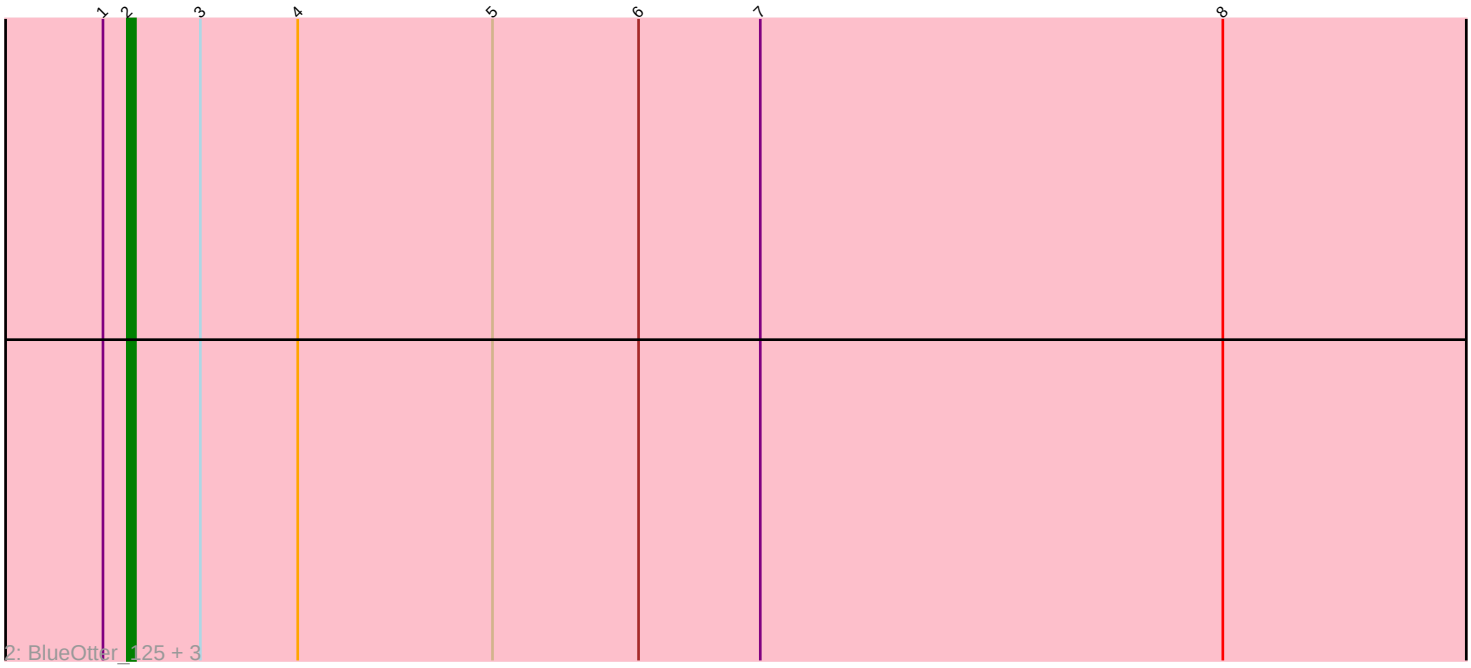
Pham 7353





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 7353 Report

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

Pham number 7353 has 14 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Samisti12_123, Leo04_123, Cross_122, Sushi23_121, Cursive_120, PacManQ_124, Peebs_120, Watermoore_121, Teutsch_121, Lululemon_124
• Track 2 : BlueOtter_125, Larnav_129, Pepperwood_122, HangryHippo_125

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cross_122, Cursive_120, Leo04_123, Lululemon_124, PacManQ_124, Peebs_120, Samisti12_123, Sushi23_121, Teutsch_121, Watermoore_121,

Genes that have the "Most Annotated" start but do not call it:
• BlueOtter_125, HangryHippo_125, Larnav_129, Pepperwood_122,

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

Summary by start number:

Start 1:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 9
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Cross_122 (BE1), Cursive_120 (BE1), Leo04_123 (BE1), Lululemon_124 (BE1), PacManQ_124 (BE1), Peebs_120 (BE1), Samisti12_123 (BE1), Sushi23_121 (BE1), Teutsch_121 (BE1), Watermoore_121 (BE1),

Start 2:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 28.6% of time when present

• Phage (with cluster) where this start called: BlueOtter_125 (BE1), HangryHippo_125 (BE1), Larnav_129 (BE1), Pepperwood_122 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:
•Start number 1 was manually annotated 8 times for cluster BE1.
•Start number 2 was manually annotated 1 time for cluster BE1.

Gene Information:

Gene: BlueOtter_125 Start: 81278, Stop: 81445, Start Num: 2
Candidate Starts for BlueOtter_125:
(Start: 1 @81275 has 8 MA's), (Start: 2 @81278 has 1 MA's), (3, 81287), (4, 81299), (5, 81323), (6, 81341), (7, 81356), (8, 81413),

Gene: Cross_122 Start: 81276, Stop: 81446, Start Num: 1
Candidate Starts for Cross_122:
(Start: 1 @81276 has 8 MA's), (Start: 2 @81279 has 1 MA's), (3, 81288), (4, 81300), (5, 81324), (6, 81342), (7, 81357), (8, 81414),

Gene: Cursive_120 Start: 79485, Stop: 79655, Start Num: 1
Candidate Starts for Cursive_120:
(Start: 1 @79485 has 8 MA's), (Start: 2 @79488 has 1 MA's), (3, 79497), (4, 79509), (5, 79533), (6, 79551), (7, 79566), (8, 79623),

Gene: HangryHippo_125 Start: 81278, Stop: 81445, Start Num: 2
Candidate Starts for HangryHippo_125:
(Start: 1 @81275 has 8 MA's), (Start: 2 @81278 has 1 MA's), (3, 81287), (4, 81299), (5, 81323), (6, 81341), (7, 81356), (8, 81413),

Gene: Larnav_129 Start: 81262, Stop: 81429, Start Num: 2
Candidate Starts for Larnav_129:
(Start: 1 @81259 has 8 MA's), (Start: 2 @81262 has 1 MA's), (3, 81271), (4, 81283), (5, 81307), (6, 81325), (7, 81340), (8, 81397),

Gene: Leo04_123 Start: 81775, Stop: 81945, Start Num: 1
Candidate Starts for Leo04_123:
(Start: 1 @81775 has 8 MA's), (Start: 2 @81778 has 1 MA's), (3, 81787), (4, 81799), (5, 81823), (6, 81841), (7, 81856), (8, 81913),

Gene: Lululemon_124 Start: 80656, Stop: 80826, Start Num: 1
Candidate Starts for Lululemon_124:
(Start: 1 @80656 has 8 MA's), (Start: 2 @80659 has 1 MA's), (3, 80668), (4, 80680), (5, 80704), (6, 80722), (7, 80737), (8, 80794),

Gene: PacManQ_124 Start: 80656, Stop: 80826, Start Num: 1
Candidate Starts for PacManQ_124:

(Start: 1 @80656 has 8 MA's), (Start: 2 @80659 has 1 MA's), (3, 80668), (4, 80680), (5, 80704), (6, 80722), (7, 80737), (8, 80794),

Gene: Peebs_120 Start: 81072, Stop: 81242, Start Num: 1
Candidate Starts for Peebs_120:
(Start: 1 @81072 has 8 MA's), (Start: 2 @81075 has 1 MA's), (3, 81084), (4, 81096), (5, 81120), (6, 81138), (7, 81153), (8, 81210),

Gene: Pepperwood_122 Start: 81206, Stop: 81373, Start Num: 2
Candidate Starts for Pepperwood_122:
(Start: 1 @81203 has 8 MA's), (Start: 2 @81206 has 1 MA's), (3, 81215), (4, 81227), (5, 81251), (6, 81269), (7, 81284), (8, 81341),

Gene: Samisti12_123 Start: 82451, Stop: 82621, Start Num: 1
Candidate Starts for Samisti12_123:
(Start: 1 @82451 has 8 MA's), (Start: 2 @82454 has 1 MA's), (3, 82463), (4, 82475), (5, 82499), (6, 82517), (7, 82532), (8, 82589),

Gene: Sushi23_121 Start: 81428, Stop: 81598, Start Num: 1
Candidate Starts for Sushi23_121:
(Start: 1 @81428 has 8 MA's), (Start: 2 @81431 has 1 MA's), (3, 81440), (4, 81452), (5, 81476), (6, 81494), (7, 81509), (8, 81566),

Gene: Teutsch_121 Start: 81633, Stop: 81803, Start Num: 1
Candidate Starts for Teutsch_121:
(Start: 1 @81633 has 8 MA's), (Start: 2 @81636 has 1 MA's), (3, 81645), (4, 81657), (5, 81681), (6, 81699), (7, 81714), (8, 81771),

Gene: Watermoore_121 Start: 81847, Stop: 82017, Start Num: 1
Candidate Starts for Watermoore_121:
(Start: 1 @81847 has 8 MA's), (Start: 2 @81850 has 1 MA's), (3, 81859), (4, 81871), (5, 81895), (6, 81913), (7, 81928), (8, 81985),