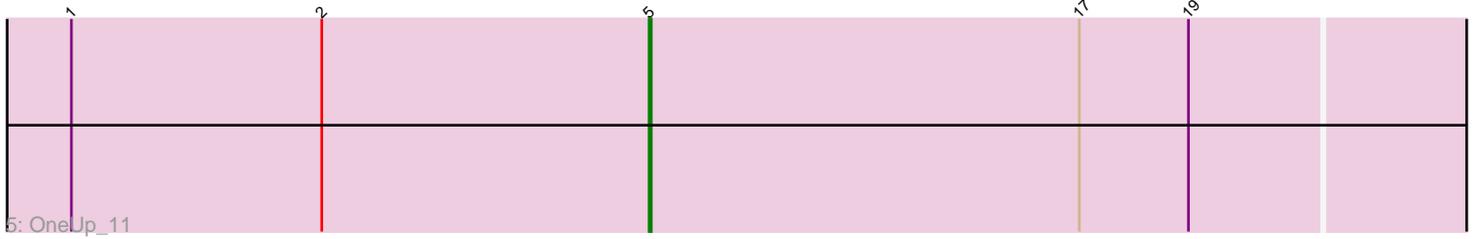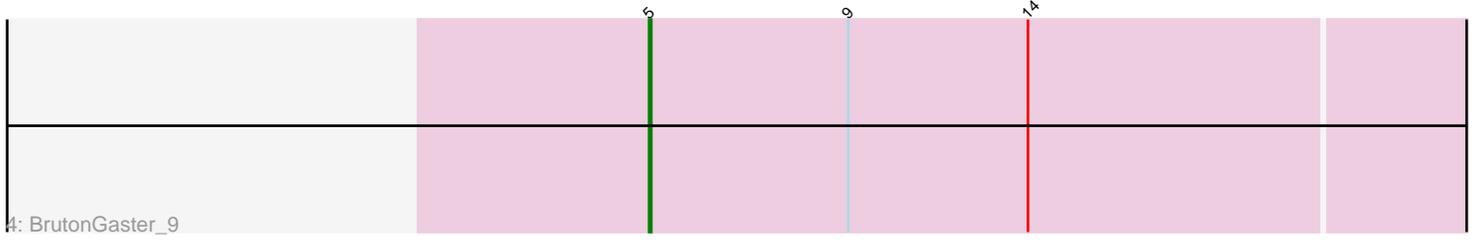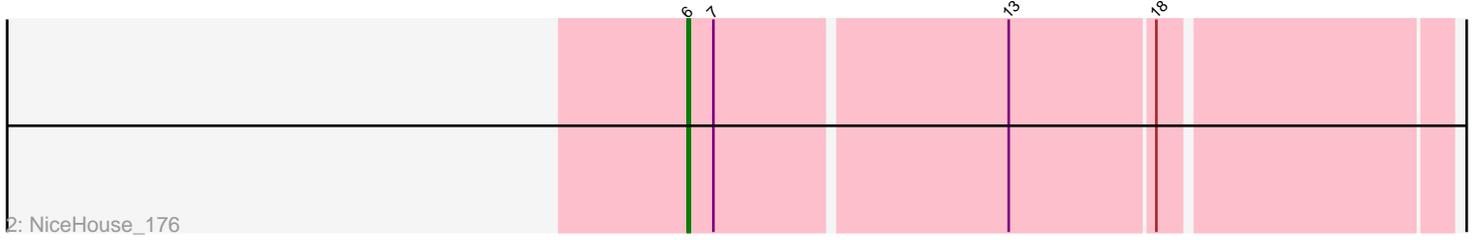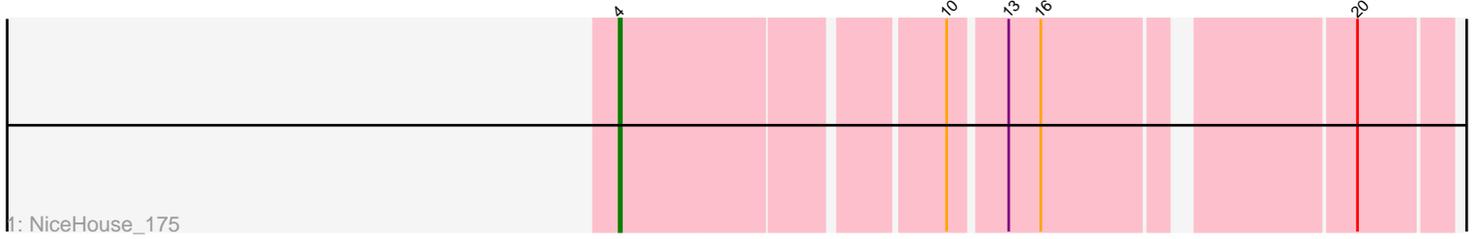# Pham 289923

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 289923 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289923 has 12 members, 4 are drafts.

Phages represented in each track:
• Track 1 : NiceHouse_175
• Track 2 : NiceHouse_176
• Track 3 : NiceHouse_177
• Track 4 : BrutonGaster_9
• Track 5 : OneUp_11
• Track 6 : KSunshine22_151, WaddleDee_141, BooTeria_154, DunneganBoMo_145, Panchaali_147, Artu_147, Emmetator_148

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 3 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_147, BooTeria_154, DunneganBoMo_145, Emmetator_148, KSunshine22_151, Panchaali_147, WaddleDee_141,

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

Genes that do not have the "Most Annotated" start:
• BrutonGaster_9, NiceHouse_175, NiceHouse_176, NiceHouse_177, OneUp_11,

Summary by start number:

Start 3:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NiceHouse_177 (CE),

Start 4:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: NiceHouse_175 (CE),

Start 5:
• Found in 2 of 12 (16.7%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BrutonGaster_9 (CQ2), OneUp_11 (CQ2),

Start 6:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NiceHouse_176 (CE),

Start 8:
• Found in 7 of 12 (58.3%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_147 (FC), BooTeria_154 (FC), DunneganBoMo_145 (FC), Emmetator_148 (FC), KSunshine22_151 (FC), Panchaali_147 (FC), WaddleDee_141 (FC),

Summary by clusters:

There are 3 clusters represented in this pham: CQ2, FC, CE,

Info for manual annotations of cluster CE:
•Start number 3 was manually annotated 1 time for cluster CE.
•Start number 4 was manually annotated 1 time for cluster CE.
•Start number 6 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster CQ2:
•Start number 5 was manually annotated 2 times for cluster CQ2.

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

Gene Information:
Gene: Artu_147 Start: 101698, Stop: 102027, Start Num: 8
Candidate Starts for Artu_147:
(Start: 8 @101698 has 3 MA's),

Gene: BooTeria_154 Start: 101992, Stop: 102321, Start Num: 8
Candidate Starts for BooTeria_154:
(Start: 8 @101992 has 3 MA's),

Gene: BrutonGaster_9 Start: 2765, Stop: 3145, Start Num: 5
Candidate Starts for BrutonGaster_9:

(Start: 5 @2765 has 2 MA's), (9, 2858), (14, 2942),

Gene: DunneganBoMo_145 Start: 101261, Stop: 101590, Start Num: 8
Candidate Starts for DunneganBoMo_145:
(Start: 8 @101261 has 3 MA's),

Gene: Emmetator_148 Start: 101571, Stop: 101903, Start Num: 8
Candidate Starts for Emmetator_148:
(Start: 8 @101571 has 3 MA's),

Gene: KSunshine22_151 Start: 102661, Stop: 102990, Start Num: 8
Candidate Starts for KSunshine22_151:
(Start: 8 @102661 has 3 MA's),

Gene: NiceHouse_175 Start: 99827, Stop: 100174, Start Num: 4
Candidate Starts for NiceHouse_175:
(Start: 4 @99827 has 1 MA's), (10, 99965), (13, 99989), (16, 100004), (20, 100133),

Gene: NiceHouse_176 Start: 100180, Stop: 100518, Start Num: 6
Candidate Starts for NiceHouse_176:
(Start: 6 @100180 has 1 MA's), (7, 100192), (13, 100324), (18, 100390),

Gene: NiceHouse_177 Start: 100519, Stop: 100866, Start Num: 3
Candidate Starts for NiceHouse_177:
(Start: 3 @100519 has 1 MA's), (11, 100657), (12, 100660), (15, 100687), (21, 100846),

Gene: OneUp_11 Start: 3220, Stop: 3600, Start Num: 5
Candidate Starts for OneUp_11:
(1, 2950), (2, 3067), (Start: 5 @3220 has 2 MA's), (17, 3421), (19, 3472),

Gene: Panchaali_147 Start: 101776, Stop: 102108, Start Num: 8
Candidate Starts for Panchaali_147:
(Start: 8 @101776 has 3 MA's),

Gene: WaddleDee_141 Start: 100447, Stop: 100776, Start Num: 8
Candidate Starts for WaddleDee_141:
(Start: 8 @100447 has 3 MA's),