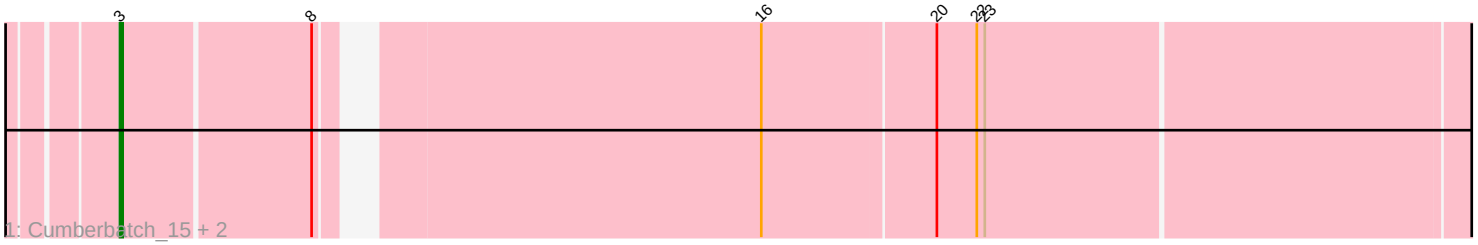
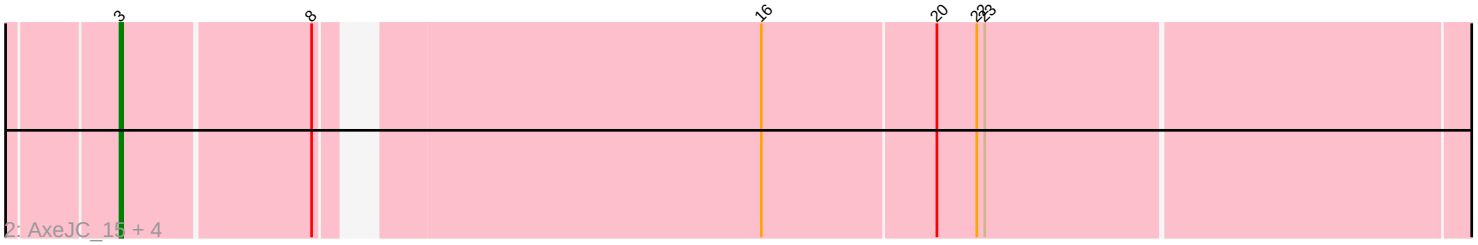
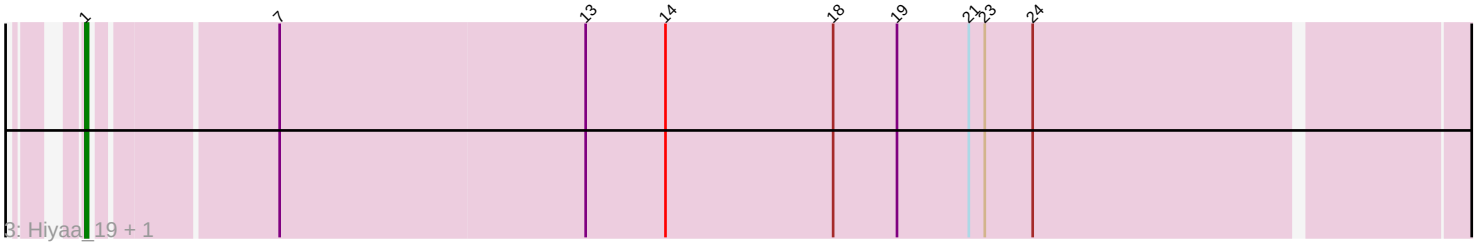
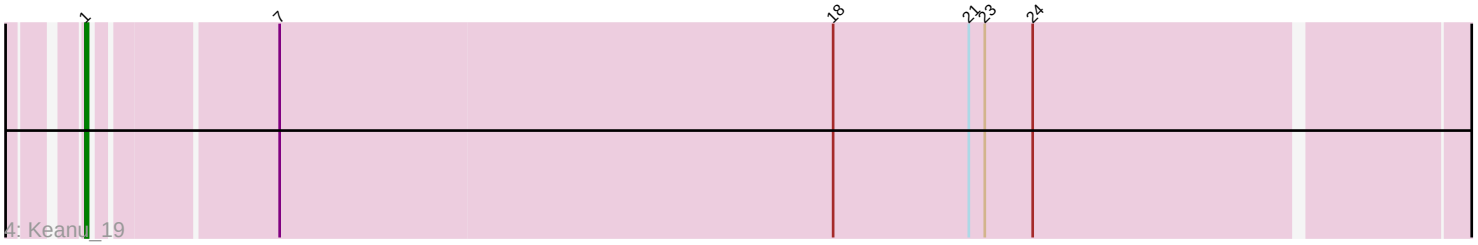
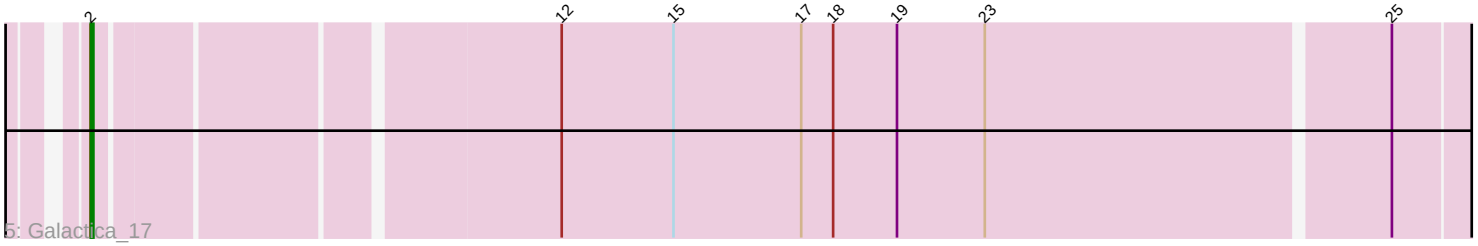
Pham 203480

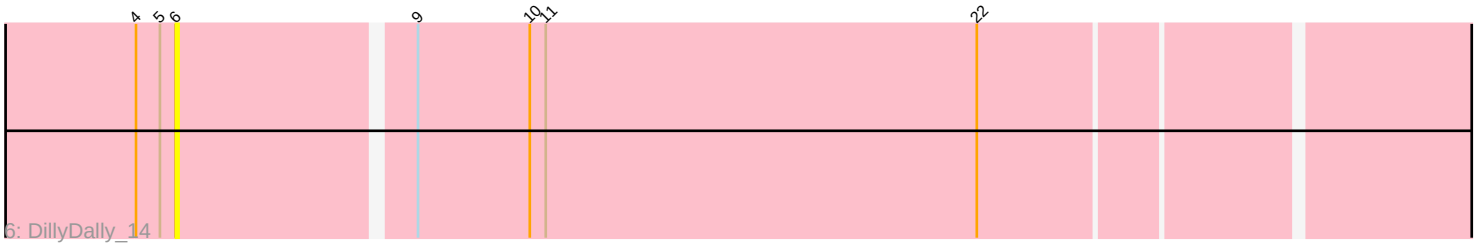

3
8
16
20
22
23
1: Cumberbatch_15 + 2


3
8
16
20
22
23
2: AxeJC_15 + 4


1
7
13
14
18
19
21
23
24
3: Hiyaa_19 + 1


1
7
18
21
23
24
4: Keanu_19


2
12
15
17
18
19
23
25
5: Galactica_17


4
5
6
9
10
11
22
6: DillyDally_14

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 203480 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203480 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Cumberbatch_15, Piccadilly_15, Eastland_15
• Track 2 : AxeJC_15, Eklok_15, HFrancette_15, Ignacio_15, Vondra_15
• Track 3 : Hiyaa_19, Spocter_19
• Track 4 : Keanu_19
• Track 5 : Galactica_17
• Track 6 : DillyDally_14

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AxeJC_15, Cumberbatch_15, Eastland_15, Eklok_15, HFrancette_15, Ignacio_15, Piccadilly_15, Vondra_15,

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

Genes that do not have the "Most Annotated" start:
• DillyDally_14, Galactica_17, Hiyaa_19, Keanu_19, Spocter_19,

Summary by start number:

Start 1:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hiyaa_19 (BQ), Keanu_19 (BQ), Spocter_19 (BQ),

Start 2:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 12

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Galactica_17 (BQ),

Start 3:
• Found in 8 of 13 (61.5%) of genes in pham
• Manual Annotations of this start: 8 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AxeJC_15 (BP), Cumberbatch_15 (BP), Eastland_15 (BP), Eklok_15 (BP), HFrancette_15 (BP), Ignacio_15 (BP), Piccadilly_15 (BP), Vondra_15 (BP),

Start 6:
• Found in 1 of 13 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DillyDally_14 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, BP, BQ,

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

Info for manual annotations of cluster BQ:
•Start number 1 was manually annotated 3 times for cluster BQ.
•Start number 2 was manually annotated 1 time for cluster BQ.

Gene Information:

Gene: AxeJC_15 Start: 9272, Stop: 9778, Start Num: 3
Candidate Starts for AxeJC_15:
(Start: 3 @9272 has 8 MA's), (8, 9341), (16, 9491), (20, 9554), (22, 9569), (23, 9572),

Gene: Cumberbatch_15 Start: 9256, Stop: 9762, Start Num: 3
Candidate Starts for Cumberbatch_15:
(Start: 3 @9256 has 8 MA's), (8, 9325), (16, 9475), (20, 9538), (22, 9553), (23, 9556),

Gene: DillyDally_14 Start: 9259, Stop: 9768, Start Num: 6
Candidate Starts for DillyDally_14:
(4, 9244), (5, 9253), (6, 9259), (9, 9343), (10, 9385), (11, 9391), (22, 9553),

Gene: Eastland_15 Start: 9257, Stop: 9763, Start Num: 3
Candidate Starts for Eastland_15:
(Start: 3 @9257 has 8 MA's), (8, 9326), (16, 9476), (20, 9539), (22, 9554), (23, 9557),

Gene: Eklok_15 Start: 9272, Stop: 9778, Start Num: 3
Candidate Starts for Eklok_15:
(Start: 3 @9272 has 8 MA's), (8, 9341), (16, 9491), (20, 9554), (22, 9569), (23, 9572),

Gene: Galactica_17 Start: 14113, Stop: 14673, Start Num: 2

Candidate Starts for Galactica_17:
(Start: 2 @14113 has 1 MA's), (12, 14272), (15, 14314), (17, 14362), (18, 14374), (19, 14398), (23, 14431), (25, 14578),

Gene: HFrancette_15 Start: 9271, Stop: 9777, Start Num: 3
Candidate Starts for HFrancette_15:
(Start: 3 @9271 has 8 MA's), (8, 9340), (16, 9490), (20, 9553), (22, 9568), (23, 9571),

Gene: Hiyaa_19 Start: 15134, Stop: 15703, Start Num: 1
Candidate Starts for Hiyaa_19:
(Start: 1 @15134 has 3 MA's), (7, 15197), (13, 15311), (14, 15341), (18, 15404), (19, 15428), (21, 15455), (23, 15461), (24, 15479),

Gene: Ignacio_15 Start: 9271, Stop: 9777, Start Num: 3
Candidate Starts for Ignacio_15:
(Start: 3 @9271 has 8 MA's), (8, 9340), (16, 9490), (20, 9553), (22, 9568), (23, 9571),

Gene: Keanu_19 Start: 15177, Stop: 15746, Start Num: 1
Candidate Starts for Keanu_19:
(Start: 1 @15177 has 3 MA's), (7, 15240), (18, 15447), (21, 15498), (23, 15504), (24, 15522),

Gene: Piccadilly_15 Start: 9256, Stop: 9762, Start Num: 3
Candidate Starts for Piccadilly_15:
(Start: 3 @9256 has 8 MA's), (8, 9325), (16, 9475), (20, 9538), (22, 9553), (23, 9556),

Gene: Spocter_19 Start: 15122, Stop: 15691, Start Num: 1
Candidate Starts for Spocter_19:
(Start: 1 @15122 has 3 MA's), (7, 15185), (13, 15299), (14, 15329), (18, 15392), (19, 15416), (21, 15443), (23, 15449), (24, 15467),

Gene: Vondra_15 Start: 9268, Stop: 9774, Start Num: 3
Candidate Starts for Vondra_15:
(Start: 3 @9268 has 8 MA's), (8, 9337), (16, 9487), (20, 9550), (22, 9565), (23, 9568),