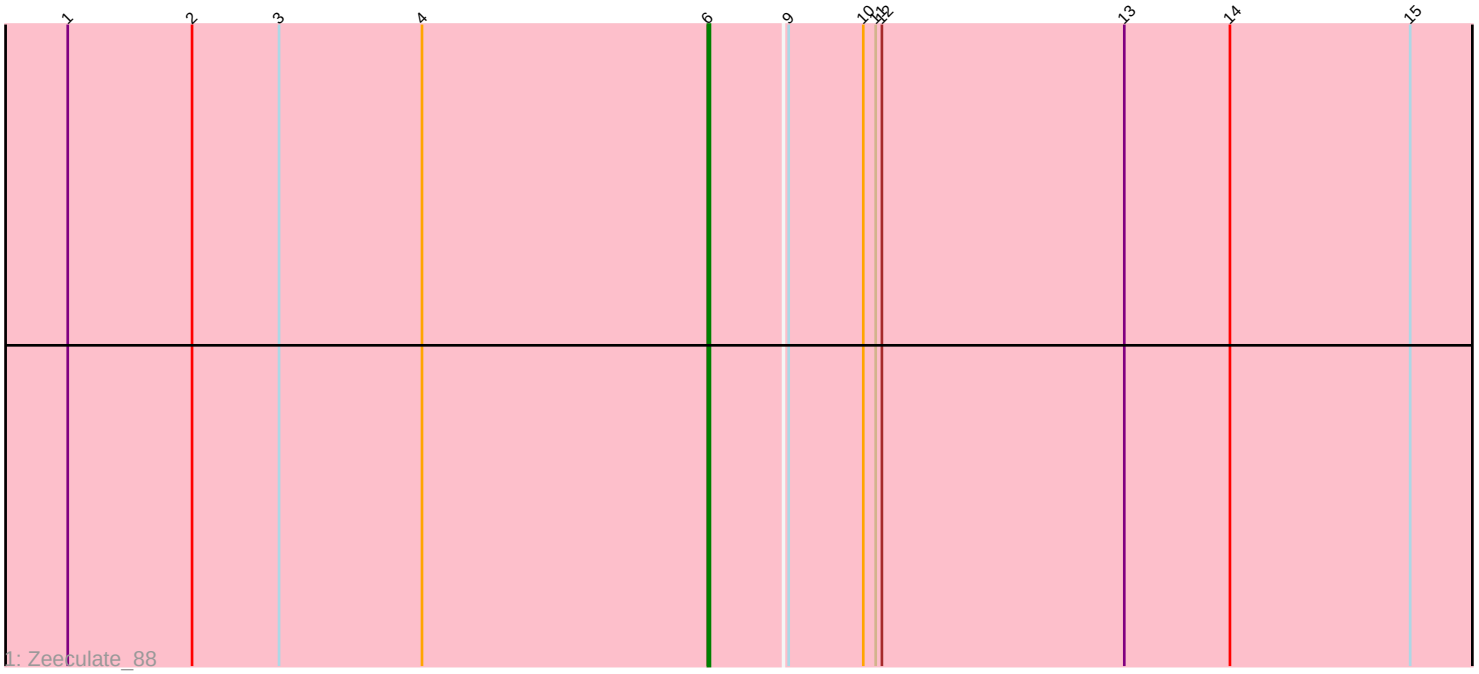
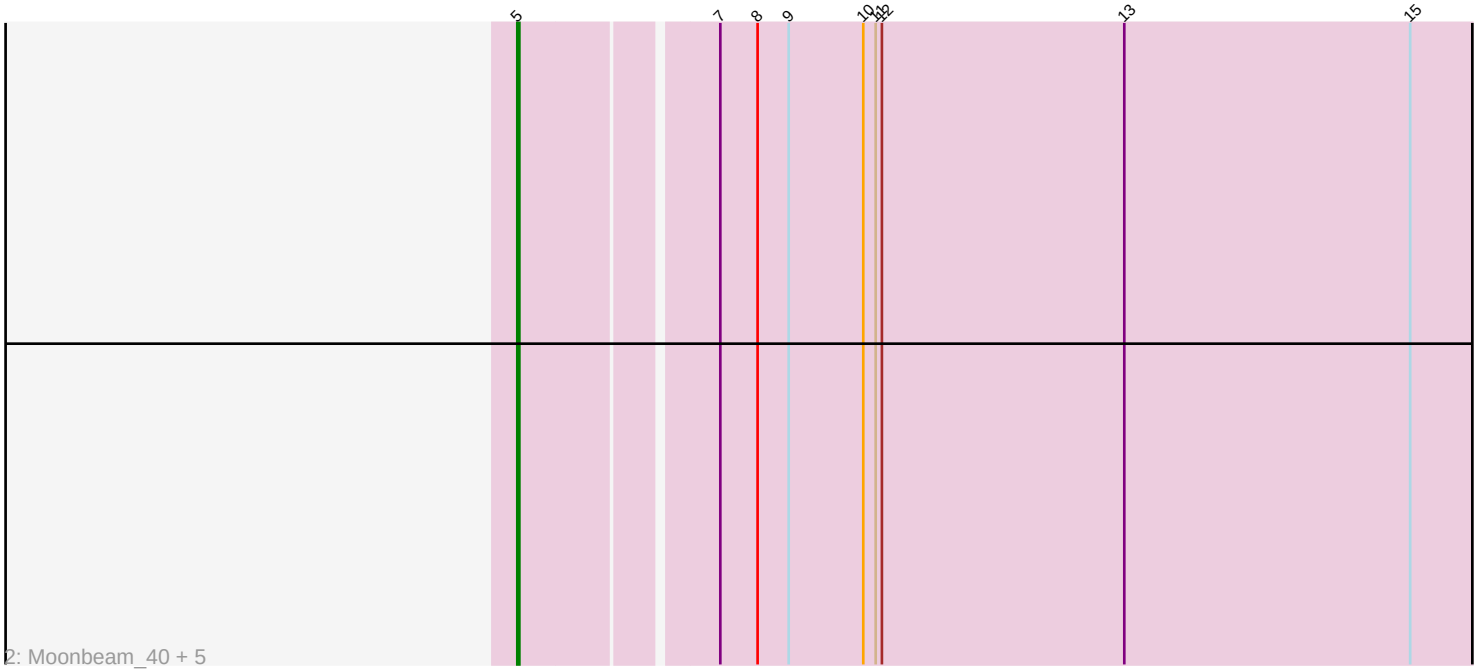
Pham 213313


1
2
3
4
6
9
10
11
12
13
14
15
1: Zeeculate_88


5
7
8
9
10
11
12
13
15
2: Moonbeam_40 + 5

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 213313 Report

This analysis was run 02/22/25 on database version 588.

Pham number 213313 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Zeeculate_88
• Track 2 : Moonbeam_40, Ovechkin_40, CaptainTrips_40, MilleniumForce_41, Shauna1_37, KristaRAM_41

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CaptainTrips_40, KristaRAM_41, MilleniumForce_41, Moonbeam_40, Ovechkin_40, Shauna1_37,

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

Genes that do not have the "Most Annotated" start:
• Zeeculate_88,

Summary by start number:

Start 5:
• Found in 6 of 7 (85.7%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CaptainTrips_40 (F1), KristaRAM_41 (F1), MilleniumForce_41 (F1), Moonbeam_40 (F1), Ovechkin_40 (F1), Shauna1_37 (F1),

Start 6:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zeeculate_88 (A1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, F1,

Info for manual annotations of cluster A1:
•Start number 6 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster F1:
•Start number 5 was manually annotated 6 times for cluster F1.

Gene Information:

Gene: CaptainTrips_40 Start: 32107, Stop: 31616, Start Num: 5
Candidate Starts for CaptainTrips_40:
(Start: 5 @32107 has 6 MA's), (7, 32020), (8, 32002), (9, 31987), (10, 31951), (11, 31945), (12, 31942), (13, 31825), (15, 31687),

Gene: KristaRAM_41 Start: 32537, Stop: 32046, Start Num: 5
Candidate Starts for KristaRAM_41:
(Start: 5 @32537 has 6 MA's), (7, 32450), (8, 32432), (9, 32417), (10, 32381), (11, 32375), (12, 32372), (13, 32255), (15, 32117),

Gene: MilleniumForce_41 Start: 32645, Stop: 32154, Start Num: 5
Candidate Starts for MilleniumForce_41:
(Start: 5 @32645 has 6 MA's), (7, 32558), (8, 32540), (9, 32525), (10, 32489), (11, 32483), (12, 32480), (13, 32363), (15, 32225),

Gene: Moonbeam_40 Start: 32399, Stop: 31908, Start Num: 5
Candidate Starts for Moonbeam_40:
(Start: 5 @32399 has 6 MA's), (7, 32312), (8, 32294), (9, 32279), (10, 32243), (11, 32237), (12, 32234), (13, 32117), (15, 31979),

Gene: Ovechkin_40 Start: 32726, Stop: 32235, Start Num: 5
Candidate Starts for Ovechkin_40:
(Start: 5 @32726 has 6 MA's), (7, 32639), (8, 32621), (9, 32606), (10, 32570), (11, 32564), (12, 32561), (13, 32444), (15, 32306),

Gene: Shauna1_37 Start: 30843, Stop: 30352, Start Num: 5
Candidate Starts for Shauna1_37:
(Start: 5 @30843 has 6 MA's), (7, 30756), (8, 30738), (9, 30723), (10, 30687), (11, 30681), (12, 30678), (13, 30561), (15, 30423),

Gene: Zeeculate_88 Start: 52466, Stop: 52059, Start Num: 6
Candidate Starts for Zeeculate_88:
(1, 52775), (2, 52715), (3, 52673), (4, 52604), (Start: 6 @52466 has 1 MA's), (9, 52430), (10, 52394), (11, 52388), (12, 52385), (13, 52268), (14, 52217), (15, 52130),