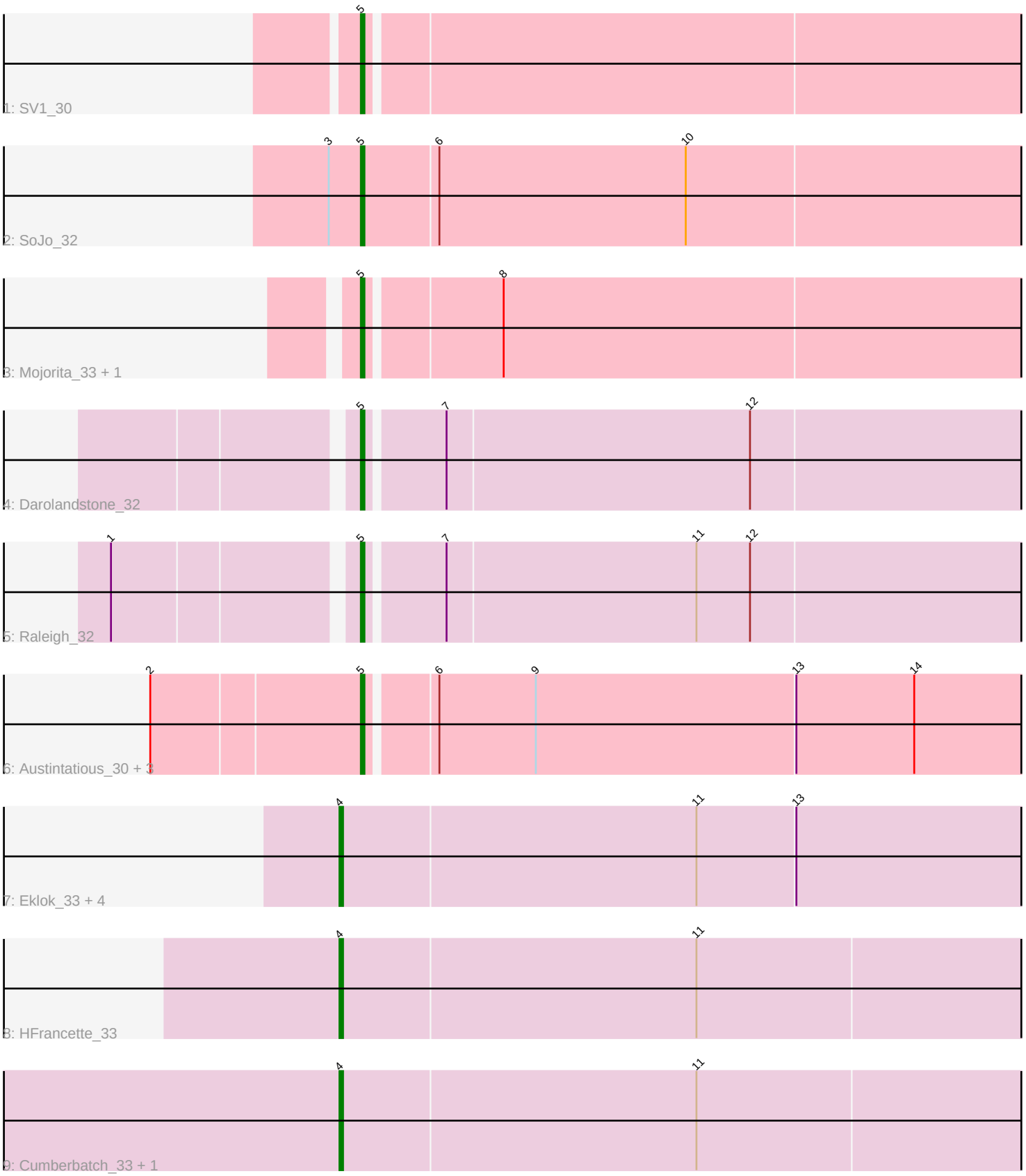
Pham 4090


5
1: SV1_30
3
5
6
10
2: SoJo_32
5
8
3: Mojorita_33 + 1
5
7
12
4: Darolandstone_32
1
5
7
11
12
5: Raleigh_32
2
5
6
9
13
14
6: Austintatious_30 + 3
4
11
13
7: Eklok_33 + 4
4
11
8: HFrancette_33
4
11
9: Cumberbatch_33 + 1

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 4090 Report

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

Pham number 4090 has 18 members, 0 are drafts.

Phages represented in each track:
• Track 1 : SV1_30
• Track 2 : SoJo_32
• Track 3 : Mojorita_33, Picard_33
• Track 4 : Darolandstone_32
• Track 5 : Raleigh_32
• Track 6 : Austintatious_30, Bioscum_34, Ididsumtinwong_34, PapayaSalad_33
• Track 7 : Eklok_33, AxeJC_32, Ignacio_32, Eastland_32, Piccadilly_32
• Track 8 : HFrancette_33
• Track 9 : Cumberbatch_33, Vondra_31

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 10 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Austintatious_30, Bioscum_34, Darolandstone_32, Ididsumtinwong_34, Mojorita_33, PapayaSalad_33, Picard_33, Raleigh_32, SV1_30, SoJo_32,

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

Genes that do not have the "Most Annotated" start:
• AxeJC_32, Cumberbatch_33, Eastland_32, Eklok_33, HFrancette_33, Ignacio_32, Piccadilly_32, Vondra_31,

Summary by start number:

Start 4:
• Found in 8 of 18 (44.4%) of genes in pham
• Manual Annotations of this start: 8 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AxeJC_32 (BP), Cumberbatch_33 (BP), Eastland_32 (BP), Eklok_33 (BP), HFrancette_33 (BP), Ignacio_32 (BP),

Piccadilly_32 (BP), Vondra_31 (BP),

Start 5:
• Found in 10 of 18 (55.6%) of genes in pham
• Manual Annotations of this start: 10 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Austintatious_30 (BC3), Bioscum_34 (BC3), Darolandstone_32 (BC2), Ididsumtinwong_34 (BC3), Mojorita_33 (BC1), PapayaSalad_33 (BC3), Picard_33 (BC1), Raleigh_32 (BC2), SV1_30 (BC1), SoJo_32 (BC1),

Summary by clusters:

There are 4 clusters represented in this pham: BP, BC1, BC2, BC3,

Info for manual annotations of cluster BC1:
•Start number 5 was manually annotated 4 times for cluster BC1.

Info for manual annotations of cluster BC2:
•Start number 5 was manually annotated 2 times for cluster BC2.

Info for manual annotations of cluster BC3:
•Start number 5 was manually annotated 4 times for cluster BC3.

Info for manual annotations of cluster BP:
•Start number 4 was manually annotated 8 times for cluster BP.

Gene Information:

Gene: Austintatious_30 Start: 21881, Stop: 22093, Start Num: 5
Candidate Starts for Austintatious_30:
(2, 21824), (Start: 5 @21881 has 10 MA's), (6, 21899), (9, 21926), (13, 21998), (14, 22031),

Gene: AxeJC_32 Start: 24033, Stop: 24257, Start Num: 4
Candidate Starts for AxeJC_32:
(Start: 4 @24033 has 8 MA's), (11, 24132), (13, 24159),

Gene: Bioscum_34 Start: 24145, Stop: 24357, Start Num: 5
Candidate Starts for Bioscum_34:
(2, 24088), (Start: 5 @24145 has 10 MA's), (6, 24163), (9, 24190), (13, 24262), (14, 24295),

Gene: Cumberbatch_33 Start: 24038, Stop: 24262, Start Num: 4
Candidate Starts for Cumberbatch_33:
(Start: 4 @24038 has 8 MA's), (11, 24137),

Gene: Darolandstone_32 Start: 25724, Stop: 25948, Start Num: 5
Candidate Starts for Darolandstone_32:
(Start: 5 @25724 has 10 MA's), (7, 25745), (12, 25829),

Gene: Eastland_32 Start: 24018, Stop: 24242, Start Num: 4
Candidate Starts for Eastland_32:

(Start: 4 @24018 has 8 MA's), (11, 24117), (13, 24144),

Gene: Eklok_33 Start: 24033, Stop: 24257, Start Num: 4
Candidate Starts for Eklok_33:
(Start: 4 @24033 has 8 MA's), (11, 24132), (13, 24159),

Gene: HFrancette_33 Start: 24675, Stop: 24899, Start Num: 4
Candidate Starts for HFrancette_33:
(Start: 4 @24675 has 8 MA's), (11, 24774),

Gene: Ididsumtinwong_34 Start: 24145, Stop: 24357, Start Num: 5
Candidate Starts for Ididsumtinwong_34:
(2, 24088), (Start: 5 @24145 has 10 MA's), (6, 24163), (9, 24190), (13, 24262), (14, 24295),

Gene: Ignacio_32 Start: 24696, Stop: 24920, Start Num: 4
Candidate Starts for Ignacio_32:
(Start: 4 @24696 has 8 MA's), (11, 24795), (13, 24822),

Gene: Mojorita_33 Start: 24507, Stop: 24725, Start Num: 5
Candidate Starts for Mojorita_33:
(Start: 5 @24507 has 10 MA's), (8, 24543),

Gene: PapayaSalad_33 Start: 24454, Stop: 24666, Start Num: 5
Candidate Starts for PapayaSalad_33:
(2, 24397), (Start: 5 @24454 has 10 MA's), (6, 24472), (9, 24499), (13, 24571), (14, 24604),

Gene: Picard_33 Start: 24705, Stop: 24923, Start Num: 5
Candidate Starts for Picard_33:
(Start: 5 @24705 has 10 MA's), (8, 24741),

Gene: Piccadilly_32 Start: 24017, Stop: 24241, Start Num: 4
Candidate Starts for Piccadilly_32:
(Start: 4 @24017 has 8 MA's), (11, 24116), (13, 24143),

Gene: Raleigh_32 Start: 26236, Stop: 26460, Start Num: 5
Candidate Starts for Raleigh_32:
(1, 26173), (Start: 5 @26236 has 10 MA's), (7, 26257), (11, 26326), (12, 26341),

Gene: SV1_30 Start: 23439, Stop: 23657, Start Num: 5
Candidate Starts for SV1_30:
(Start: 5 @23439 has 10 MA's),

Gene: SoJo_32 Start: 25868, Stop: 26089, Start Num: 5
Candidate Starts for SoJo_32:
(3, 25859), (Start: 5 @25868 has 10 MA's), (6, 25889), (10, 25958),

Gene: Vondra_31 Start: 23845, Stop: 24069, Start Num: 4
Candidate Starts for Vondra_31:
(Start: 4 @23845 has 8 MA's), (11, 23944),