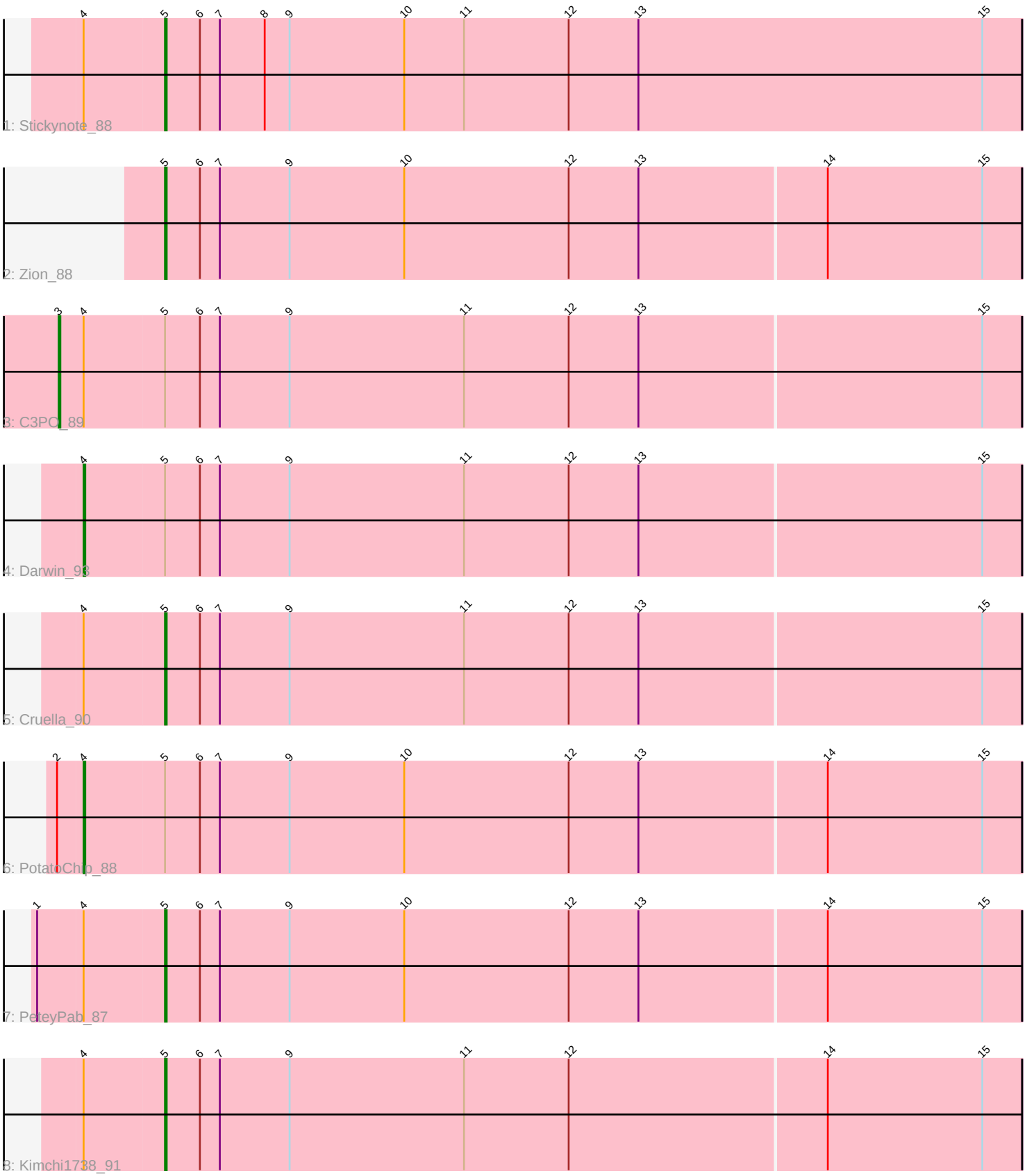
Pham 106930


4
5
6
7
8
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10
11
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13
15
1: Stickynote_88
5
6
7
9
10
12
13
14
15
2: Zion_88
3
4
5
6
7
9
11
12
13
15
3: C3PO_89
4
5
6
7
9
11
12
13
15
4: Darwin_93
4
5
6
7
9
11
12
13
15
5: Cruella_90
2
4
5
6
7
9
10
12
13
14
15
6: PotatoChip_88
1
4
5
6
7
9
10
12
13
14
15
7: PeteyPab_87
4
5
6
7
9
11
12
14
15
8: Kimchi1738_91

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 106930 Report

This analysis was run 04/05/24 on database version 557.

Pham number 106930 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Stickynote_88
• Track 2 : Zion_88
• Track 3 : C3PO_89
• Track 4 : Darwin_93
• Track 5 : Cruella_90
• Track 6 : PotatoChip_88
• Track 7 : PeteyPab_87
• Track 8 : Kimchi1738_91

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

Genes that call this "Most Annotated" start:
• Cruella_90, Kimchi1738_91, PeteyPab_87, Stickynote_88, Zion_88,

Genes that have the "Most Annotated" start but do not call it:
• C3PO_89, Darwin_93, PotatoChip_88,

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

Summary by start number:

Start 3:
• Found in 1 of 8 (12.5%) 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: C3PO_89 (EN),

Start 4:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 2 of 8

• Called 28.6% of time when present
• Phage (with cluster) where this start called: Darwin_93 (EN), PotatoChip_88 (EN),

Start 5:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 62.5% of time when present
• Phage (with cluster) where this start called: Cruella_90 (EN), Kimchi1738_91 (EN), PeteyPab_87 (EN), Stickynote_88 (EN), Zion_88 (EN),

Summary by clusters:

There is one cluster represented in this pham: EN

Info for manual annotations of cluster EN:
•Start number 3 was manually annotated 1 time for cluster EN.
•Start number 4 was manually annotated 2 times for cluster EN.
•Start number 5 was manually annotated 5 times for cluster EN.

Gene Information:

Gene: C3PO_89 Start: 62140, Stop: 62715, Start Num: 3
Candidate Starts for C3PO_89:
(Start: 3 @62140 has 1 MA's), (Start: 4 @62155 has 2 MA's), (Start: 5 @62203 has 5 MA's), (6, 62224), (7, 62236), (9, 62278), (11, 62383), (12, 62446), (13, 62488), (15, 62692),

Gene: Cruella_90 Start: 62302, Stop: 62814, Start Num: 5
Candidate Starts for Cruella_90:
(Start: 4 @62254 has 2 MA's), (Start: 5 @62302 has 5 MA's), (6, 62323), (7, 62335), (9, 62377), (11, 62482), (12, 62545), (13, 62587), (15, 62791),

Gene: Darwin_93 Start: 63404, Stop: 63964, Start Num: 4
Candidate Starts for Darwin_93:
(Start: 4 @63404 has 2 MA's), (Start: 5 @63452 has 5 MA's), (6, 63473), (7, 63485), (9, 63527), (11, 63632), (12, 63695), (13, 63737), (15, 63941),

Gene: Kimchi1738_91 Start: 61272, Stop: 61784, Start Num: 5
Candidate Starts for Kimchi1738_91:
(Start: 4 @61224 has 2 MA's), (Start: 5 @61272 has 5 MA's), (6, 61293), (7, 61305), (9, 61347), (11, 61452), (12, 61515), (14, 61668), (15, 61761),

Gene: PeteyPab_87 Start: 61078, Stop: 61590, Start Num: 5
Candidate Starts for PeteyPab_87:
(1, 61003), (Start: 4 @61030 has 2 MA's), (Start: 5 @61078 has 5 MA's), (6, 61099), (7, 61111), (9, 61153), (10, 61222), (12, 61321), (13, 61363), (14, 61474), (15, 61567),

Gene: PotatoChip_88 Start: 60956, Stop: 61516, Start Num: 4
Candidate Starts for PotatoChip_88:
(2, 60941), (Start: 4 @60956 has 2 MA's), (Start: 5 @61004 has 5 MA's), (6, 61025), (7, 61037), (9, 61079), (10, 61148), (12, 61247), (13, 61289), (14, 61400), (15, 61493),

Gene: Stickynote_88 Start: 62743, Stop: 63258, Start Num: 5
Candidate Starts for Stickynote_88:
(Start: 4 @62695 has 2 MA's), (Start: 5 @62743 has 5 MA's), (6, 62764), (7, 62776), (8, 62803), (9, 62818), (10, 62887), (11, 62923), (12, 62986), (13, 63028), (15, 63235),

Gene: Zion_88 Start: 61036, Stop: 61548, Start Num: 5
Candidate Starts for Zion_88:
(Start: 5 @61036 has 5 MA's), (6, 61057), (7, 61069), (9, 61111), (10, 61180), (12, 61279), (13, 61321), (14, 61432), (15, 61525),