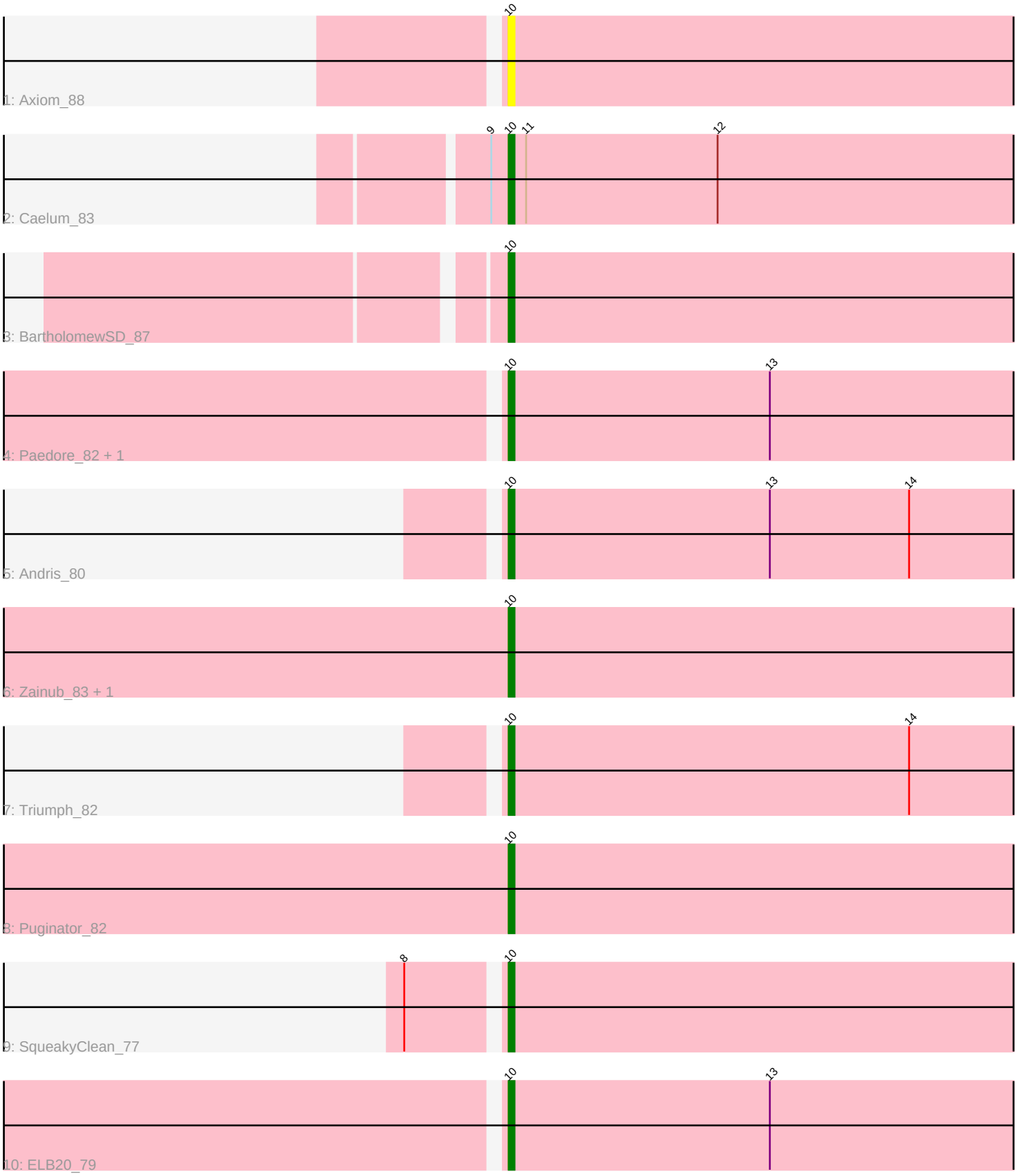
Zoomed Pham 203493



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 203493 Report

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

Pham number 203493 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Axiom_88
• Track 2 : Caelum_83
• Track 3 : BartholomewSD_87
• Track 4 : Paedore_82, Loofah_85
• Track 5 : Andris_80
• Track 6 : Zainub_83, Paolo_82
• Track 7 : Triumph_82
• Track 8 : Puginator_82
• Track 9 : SqueakyClean_77
• Track 10 : ELB20_79

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

The start number called the most often in the published annotations is 10, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Andris_80, Axiom_88, BartholomewSD_87, Caelum_83, ELB20_79, Loofah_85, Paedore_82, Paolo_82, Puginator_82, SqueakyClean_77, Triumph_82, Zainub_83,

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

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

Summary by start number:

Start 10:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Andris_80 (BD2), Axiom_88 (BD2), BartholomewSD_87 (BD2), Caelum_83 (BD2), ELB20_79 (BD2), Loofah_85 (BD2),

Paedore_82 (BD2), Paolo_82 (BD2), Puginator_82 (BD2), SqueakyClean_77 (BD2), Triumph_82 (BD2), Zainub_83 (BD2),

Summary by clusters:

There is one cluster represented in this pham: BD2

Info for manual annotations of cluster BD2:
•Start number 10 was manually annotated 11 times for cluster BD2.

Gene Information:

Gene: Andris_80 Start: 48874, Stop: 48698, Start Num: 10
Candidate Starts for Andris_80:
(Start: 10 @48874 has 11 MA's), (13, 48829), (14, 48805), (22, 48712),

Gene: Axiom_88 Start: 49884, Stop: 49708, Start Num: 10
Candidate Starts for Axiom_88:
(Start: 10 @49884 has 11 MA's), (20, 49752), (22, 49722),

Gene: BartholomewSD_87 Start: 50496, Stop: 50320, Start Num: 10
Candidate Starts for BartholomewSD_87:
(3, 50595), (Start: 10 @50496 has 11 MA's), (17, 50382), (22, 50334),

Gene: Caelum_83 Start: 48893, Stop: 48711, Start Num: 10
Candidate Starts for Caelum_83:
(9, 48896), (Start: 10 @48893 has 11 MA's), (11, 48890), (12, 48857), (18, 48776),

Gene: ELB20_79 Start: 49457, Stop: 49281, Start Num: 10
Candidate Starts for ELB20_79:
(4, 49571), (7, 49553), (Start: 10 @49457 has 11 MA's), (13, 49412), (22, 49295),

Gene: Loofah_85 Start: 50694, Stop: 50506, Start Num: 10
Candidate Starts for Loofah_85:
(Start: 10 @50694 has 11 MA's), (13, 50649), (21, 50541), (23, 50517), (24, 50511),

Gene: Paedore_82 Start: 50863, Stop: 50675, Start Num: 10
Candidate Starts for Paedore_82:
(Start: 10 @50863 has 11 MA's), (13, 50818), (21, 50710), (23, 50686), (24, 50680),

Gene: Paolo_82 Start: 49702, Stop: 49526, Start Num: 10
Candidate Starts for Paolo_82:
(2, 49858), (5, 49816), (6, 49807), (Start: 10 @49702 has 11 MA's), (16, 49600), (17, 49588), (22, 49540),

Gene: Puginator_82 Start: 49772, Stop: 49596, Start Num: 10
Candidate Starts for Puginator_82:
(1, 49937), (2, 49928), (5, 49886), (Start: 10 @49772 has 11 MA's), (17, 49658), (22, 49610),

Gene: SqueakyClean_77 Start: 49262, Stop: 49101, Start Num: 10
Candidate Starts for SqueakyClean_77:

(8, 49277), (Start: 10 @49262 has 11 MA's), (15, 49163), (19, 49139),

Gene: Triumph_82 Start: 49644, Stop: 49468, Start Num: 10
Candidate Starts for Triumph_82:
(Start: 10 @49644 has 11 MA's), (14, 49575), (20, 49512), (22, 49482),

Gene: Zainub_83 Start: 49882, Stop: 49706, Start Num: 10
Candidate Starts for Zainub_83:
(2, 50038), (5, 49996), (6, 49987), (Start: 10 @49882 has 11 MA's), (16, 49780), (17, 49768), (22, 49720),