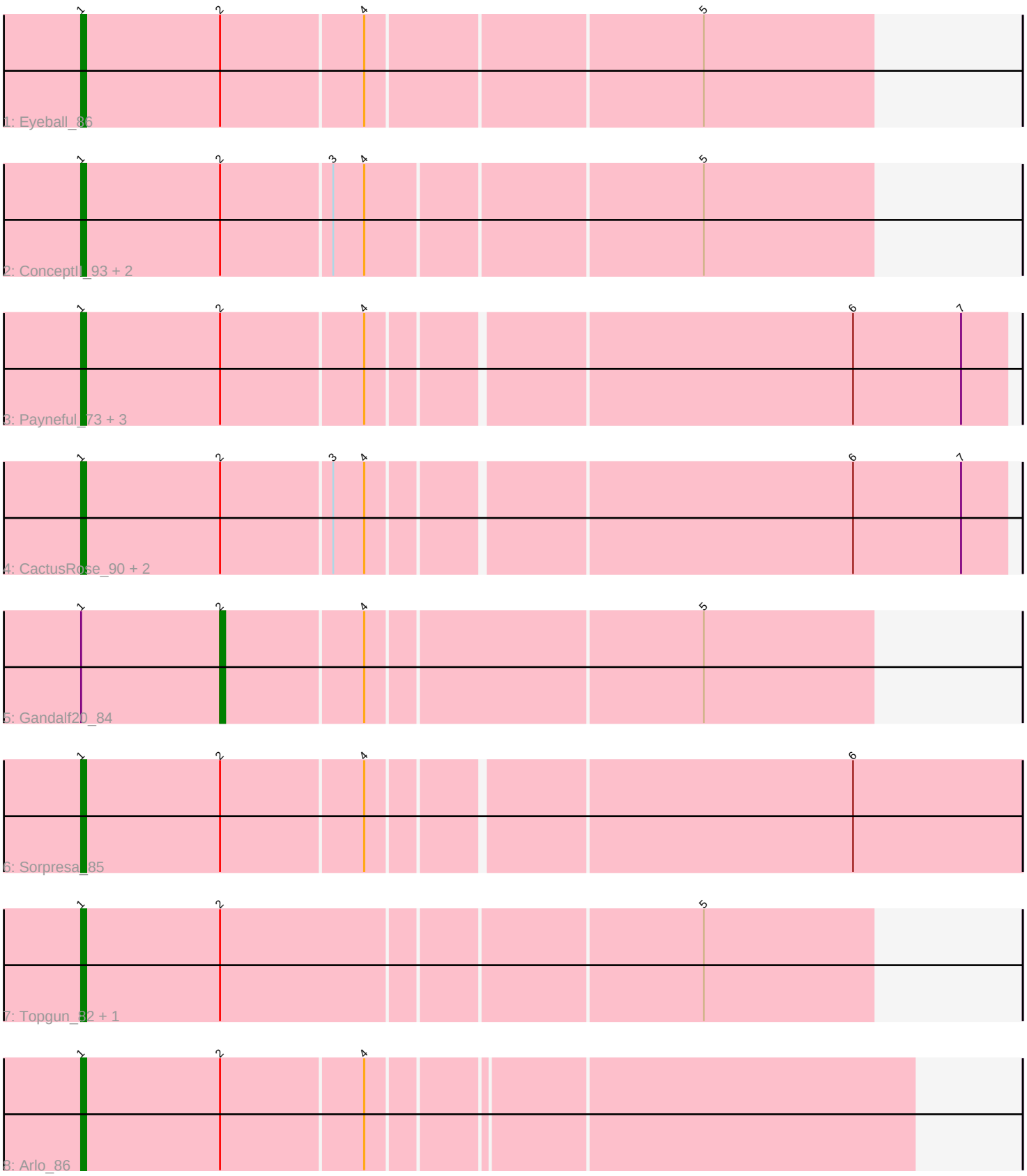
Pham 203389


1
2
4
5
1: Eyeball_86
1
2
3
4
5
2: ConceptII_93 + 2
1
2
4
6
7
3: Payneful_73 + 3
1
2
3
4
6
7
4: CactusRose_90 + 2
1
2
4
5
5: Gandalf2D_84
1
2
4
6
6: Sorpresa_85
1
2
5
7: Topgun_82 + 1
1
2
4
8: Arlo_86

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 203389 Report

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

Pham number 203389 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Eyeball_86
• Track 2 : ConceptII_93, Sunshine924_88, Anglerfish_89
• Track 3 : Payneful_73, NEHalo_82, Rajelicia_86, Ohno789_89
• Track 4 : CactusRose_90, Paphu_81, HarryOW_85
• Track 5 : Gandalf20_84
• Track 6 : Sorpresa_85
• Track 7 : Topgun_82, Wilkins_83
• Track 8 : Arlo_86

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

The start number called the most often in the published annotations is 1, it was called in 15 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anglerfish_89, Arlo_86, CactusRose_90, ConceptII_93, Eyeball_86, HarryOW_85, NEHalo_82, Ohno789_89, Paphu_81, Payneful_73, Rajelicia_86, Sorpresa_85, Sunshine924_88, Topgun_82, Wilkins_83,

Genes that have the "Most Annotated" start but do not call it:
• Gandalf20_84,

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

Summary by start number:

Start 1:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 15 of 16
• Called 93.8% of time when present
• Phage (with cluster) where this start called: Anglerfish_89 (A1), Arlo_86 (A1), CactusRose_90 (A1), ConceptII_93 (A1), Eyeball_86 (A1), HarryOW_85 (A1), NEHalo_82 (A1), Ohno789_89 (A1), Paphu_81 (A1), Payneful_73 (A1), Rajelicia_86

(A1), Sorpresa_85 (A1), Sunshine924_88 (A1), Topgun_82 (A1), Wilkins_83 (A1),

Start 2:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 16
• Called 6.2% of time when present
• Phage (with cluster) where this start called: Gandalf20_84 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 1 was manually annotated 15 times for cluster A1.
•Start number 2 was manually annotated 1 time for cluster A1.

Gene Information:

Gene: Anglerfish_89 Start: 50429, Stop: 50283, Start Num: 1
Candidate Starts for Anglerfish_89:
(Start: 1 @50429 has 15 MA's), (Start: 2 @50402 has 1 MA's), (3, 50381), (4, 50375), (5, 50318),

Gene: Arlo_86 Start: 49278, Stop: 49123, Start Num: 1
Candidate Starts for Arlo_86:
(Start: 1 @49278 has 15 MA's), (Start: 2 @49251 has 1 MA's), (4, 49224),

Gene: CactusRose_90 Start: 49994, Stop: 49821, Start Num: 1
Candidate Starts for CactusRose_90:
(Start: 1 @49994 has 15 MA's), (Start: 2 @49967 has 1 MA's), (3, 49946), (4, 49940), (6, 49850), (7, 49829),

Gene: ConceptII_93 Start: 51306, Stop: 51157, Start Num: 1
Candidate Starts for ConceptII_93:
(Start: 1 @51306 has 15 MA's), (Start: 2 @51279 has 1 MA's), (3, 51258), (4, 51252), (5, 51189),

Gene: Eyeball_86 Start: 49179, Stop: 49030, Start Num: 1
Candidate Starts for Eyeball_86:
(Start: 1 @49179 has 15 MA's), (Start: 2 @49152 has 1 MA's), (4, 49125), (5, 49062),

Gene: Gandalf20_84 Start: 48924, Stop: 48802, Start Num: 2
Candidate Starts for Gandalf20_84:
(Start: 1 @48951 has 15 MA's), (Start: 2 @48924 has 1 MA's), (4, 48897), (5, 48834),

Gene: HarryOW_85 Start: 50108, Stop: 49935, Start Num: 1
Candidate Starts for HarryOW_85:
(Start: 1 @50108 has 15 MA's), (Start: 2 @50081 has 1 MA's), (3, 50060), (4, 50054), (6, 49964), (7, 49943),

Gene: NEHalo_82 Start: 48188, Stop: 48015, Start Num: 1
Candidate Starts for NEHalo_82:
(Start: 1 @48188 has 15 MA's), (Start: 2 @48161 has 1 MA's), (4, 48134), (6, 48044), (7, 48023),

Gene: Ohno789_89 Start: 50417, Stop: 50244, Start Num: 1
Candidate Starts for Ohno789_89:
(Start: 1 @50417 has 15 MA's), (Start: 2 @50390 has 1 MA's), (4, 50363), (6, 50273), (7, 50252),

Gene: Paphu_81 Start: 47874, Stop: 47701, Start Num: 1
Candidate Starts for Paphu_81:
(Start: 1 @47874 has 15 MA's), (Start: 2 @47847 has 1 MA's), (3, 47826), (4, 47820), (6, 47730), (7, 47709),

Gene: Payneful_73 Start: 45129, Stop: 44956, Start Num: 1
Candidate Starts for Payneful_73:
(Start: 1 @45129 has 15 MA's), (Start: 2 @45102 has 1 MA's), (4, 45075), (6, 44985), (7, 44964),

Gene: Rajelicia_86 Start: 51261, Stop: 51088, Start Num: 1
Candidate Starts for Rajelicia_86:
(Start: 1 @51261 has 15 MA's), (Start: 2 @51234 has 1 MA's), (4, 51207), (6, 51117), (7, 51096),

Gene: Sorpresa_85 Start: 49585, Stop: 49409, Start Num: 1
Candidate Starts for Sorpresa_85:
(Start: 1 @49585 has 15 MA's), (Start: 2 @49558 has 1 MA's), (4, 49531), (6, 49441),

Gene: Sunshine924_88 Start: 48484, Stop: 48335, Start Num: 1
Candidate Starts for Sunshine924_88:
(Start: 1 @48484 has 15 MA's), (Start: 2 @48457 has 1 MA's), (3, 48436), (4, 48430), (5, 48367),

Gene: Topgun_82 Start: 47338, Stop: 47189, Start Num: 1
Candidate Starts for Topgun_82:
(Start: 1 @47338 has 15 MA's), (Start: 2 @47311 has 1 MA's), (5, 47221),

Gene: Wilkins_83 Start: 47268, Stop: 47119, Start Num: 1
Candidate Starts for Wilkins_83:
(Start: 1 @47268 has 15 MA's), (Start: 2 @47241 has 1 MA's), (5, 47151),