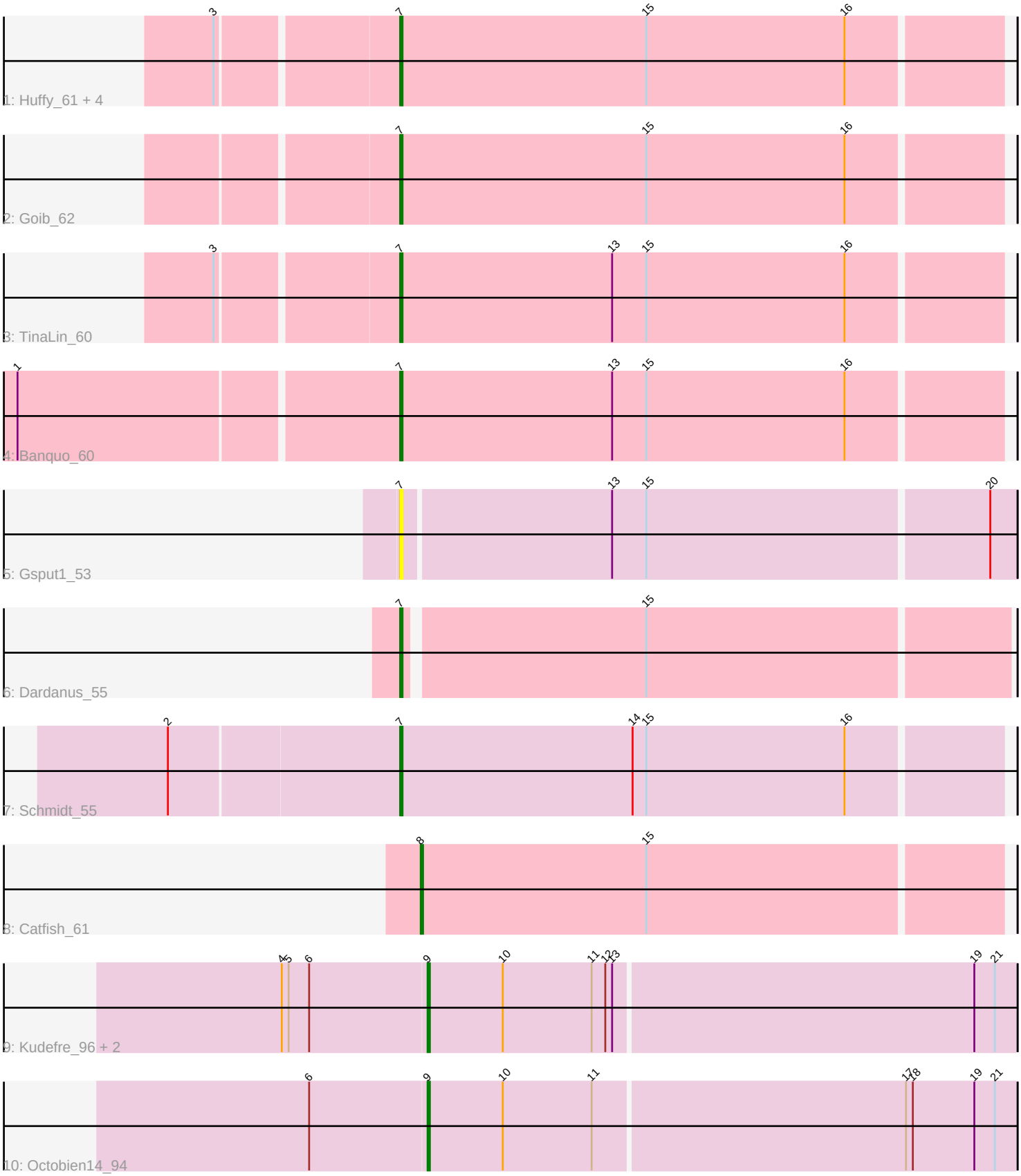
Pham 170381


1: Huffy_61 + 4
2: Goib_62
3: TinaLin_60
4: Banquo_60
5: Gsput1_53
6: Dardanus_55
7: Schmidt_55
8: Catfish_61
9: Kudefre_96 + 2
10: Octobien14_94

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 170381 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170381 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Huffy_61, Splinter_61, Vendetta_61, TZGordon_62, DinoDaryn_61
• Track 2 : Goib_62
• Track 3 : TinaLin_60
• Track 4 : Banquo_60
• Track 5 : Gsput1_53
• Track 6 : Dardanus_55
• Track 7 : Schmidt_55
• Track 8 : Catfish_61
• Track 9 : Kudefre_96, Syleon_96, Sephiroth_93
• Track 10 : Octobien14_94

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

The start number called the most often in the published annotations is 7, it was called in 10 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Banquo_60, Dardanus_55, DinoDaryn_61, Goib_62, Gsput1_53, Huffy_61, Schmidt_55, Splinter_61, TZGordon_62, TinaLin_60, Vendetta_61,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Catfish_61, Kudefre_96, Octobien14_94, Sephiroth_93, Syleon_96,

Summary by start number:

Start 7:
• Found in 11 of 16 (68.8%) of genes in pham
• Manual Annotations of this start: 10 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Banquo_60 (CU1), Dardanus_55 (CU3), DinoDaryn_61 (CU1), Goib_62 (CU1), Gsput1_53 (CU2), Huffy_61 (CU1),

Schmidt_55 (CU4), Splinter_61 (CU1), TZGordon_62 (CU1), TinaLin_60 (CU1), Vendetta_61 (CU1),

Start 8:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Catfish_61 (CU5),

Start 9:
• Found in 4 of 16 (25.0%) of genes in pham
• Manual Annotations of this start: 4 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kudefre_96 (DU1), Octobien14_94 (DU1), Sephiroth_93 (DU1), Syleon_96 (DU1),

Summary by clusters:

There are 6 clusters represented in this pham: CU5, CU4, CU3, CU2, CU1, DU1,

Info for manual annotations of cluster CU1:
•Start number 7 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 7 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 7 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 8 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DU1:
•Start number 9 was manually annotated 4 times for cluster DU1.

Gene Information:

Gene: Banquo_60 Start: 38293, Stop: 38553, Start Num: 7
Candidate Starts for Banquo_60:
(1, 38131), (Start: 7 @38293 has 10 MA's), (13, 38386), (15, 38401), (16, 38488),

Gene: Catfish_61 Start: 40297, Stop: 40548, Start Num: 8
Candidate Starts for Catfish_61:
(Start: 8 @40297 has 1 MA's), (15, 40396),

Gene: Dardanus_55 Start: 36561, Stop: 36818, Start Num: 7
Candidate Starts for Dardanus_55:
(Start: 7 @36561 has 10 MA's), (15, 36663),

Gene: DinoDaryn_61 Start: 38377, Stop: 38637, Start Num: 7

Candidate Starts for DinoDaryn_61:
(3, 38302), (Start: 7 @38377 has 10 MA's), (15, 38485), (16, 38572),

Gene: Goib_62 Start: 39493, Stop: 39753, Start Num: 7
Candidate Starts for Goib_62:
(Start: 7 @39493 has 10 MA's), (15, 39601), (16, 39688),

Gene: Gsput1_53 Start: 36846, Stop: 37109, Start Num: 7
Candidate Starts for Gsput1_53:
(Start: 7 @36846 has 10 MA's), (13, 36936), (15, 36951), (20, 37098),

Gene: Huffy_61 Start: 38377, Stop: 38637, Start Num: 7
Candidate Starts for Huffy_61:
(3, 38302), (Start: 7 @38377 has 10 MA's), (15, 38485), (16, 38572),

Gene: Kudefre_96 Start: 57441, Stop: 57695, Start Num: 9
Candidate Starts for Kudefre_96:
(4, 57378), (5, 57381), (6, 57390), (Start: 9 @57441 has 4 MA's), (10, 57474), (11, 57513), (12, 57519), (13, 57522), (19, 57678), (21, 57687),

Gene: Octobien14_94 Start: 56819, Stop: 57073, Start Num: 9
Candidate Starts for Octobien14_94:
(6, 56768), (Start: 9 @56819 has 4 MA's), (10, 56852), (11, 56891), (17, 57026), (18, 57029), (19, 57056), (21, 57065),

Gene: Schmidt_55 Start: 35988, Stop: 36248, Start Num: 7
Candidate Starts for Schmidt_55:
(2, 35889), (Start: 7 @35988 has 10 MA's), (14, 36090), (15, 36096), (16, 36183),

Gene: Sephiroth_93 Start: 57410, Stop: 57664, Start Num: 9
Candidate Starts for Sephiroth_93:
(4, 57347), (5, 57350), (6, 57359), (Start: 9 @57410 has 4 MA's), (10, 57443), (11, 57482), (12, 57488), (13, 57491), (19, 57647), (21, 57656),

Gene: Splinter_61 Start: 39464, Stop: 39724, Start Num: 7
Candidate Starts for Splinter_61:
(3, 39389), (Start: 7 @39464 has 10 MA's), (15, 39572), (16, 39659),

Gene: Syleon_96 Start: 57360, Stop: 57614, Start Num: 9
Candidate Starts for Syleon_96:
(4, 57297), (5, 57300), (6, 57309), (Start: 9 @57360 has 4 MA's), (10, 57393), (11, 57432), (12, 57438), (13, 57441), (19, 57597), (21, 57606),

Gene: TZGordon_62 Start: 38353, Stop: 38613, Start Num: 7
Candidate Starts for TZGordon_62:
(3, 38278), (Start: 7 @38353 has 10 MA's), (15, 38461), (16, 38548),

Gene: TinaLin_60 Start: 38216, Stop: 38476, Start Num: 7
Candidate Starts for TinaLin_60:
(3, 38141), (Start: 7 @38216 has 10 MA's), (13, 38309), (15, 38324), (16, 38411),

Gene: Vendetta_61 Start: 39464, Stop: 39724, Start Num: 7
Candidate Starts for Vendetta_61:

(3, 39389), (Start: 7 @39464 has 10 MA's), (15, 39572), (16, 39659),