Pham 348054


1: GMA5_23
2: DonkeyMan_53 + 1
3: DinoNuggs_55 + 2
4: Jojo24_52
5: Enzomatic_67 + 2
6: Mantra_56
7: RedBird_58
8: Alatato_58
9: GUPitcher_55
10: DreamEater_55
11: PetriParty_59
12: Kukla_58
13: TripleJ_59
14: Xiaokay_140
15: GMA4_56

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 348054 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348054 has 20 members, 9 are drafts.

Phages represented in each track:
• Track 1 : GMA5_23
• Track 2 : DonkeyMan_53, Tarzan_53
• Track 3 : DinoNuggs_55, Reyja_55, DearBasketball_57
• Track 4 : Jojo24_52
• Track 5 : Enzomatic_67, SeaLumen_65, Polo2Bam_66
• Track 6 : Mantra_56
• Track 7 : RedBird_58
• Track 8 : Alatato_58
• Track 9 : GUPitcher_55
• Track 10 : DreamEater_55
• Track 11 : PetriParty_59
• Track 12 : Kukla_58
• Track 13 : TripleJ_59
• Track 14 : Xiaokay_140
• Track 15 : GMA4_56

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

The start number called the most often in the published annotations is 31, it was called in 4 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DreamEater_55, GUPitcher_55, Kukla_58, TripleJ_59,

Genes that have the "Most Annotated" start but do not call it:
• PetriParty_59,

Genes that do not have the "Most Annotated" start:
• Alatato_58, DearBasketball_57, DinoNuggs_55, DonkeyMan_53, Enzomatic_67, GMA4_56, GMA5_23, Jojo24_52, Mantra_56, Polo2Bam_66, RedBird_58, Reyja_55, SeaLumen_65, Tarzan_53, Xiaokay_140,

Summary by start number:

Start 23:
• Found in 1 of 20 (5.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Xiaokay_140 (J),

Start 26:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Mantra_56 (F1),

Start 29:
• Found in 6 of 20 (30.0%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 33.3% of time when present
• Phage (with cluster) where this start called: PetriParty_59 (FJ), RedBird_58 (F1),

Start 31:
• Found in 5 of 20 (25.0%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 80.0% of time when present
• Phage (with cluster) where this start called: DreamEater_55 (FJ), GUPitcher_55 (FJ), Kukla_58 (FJ), TripleJ_59 (FJ),

Start 33:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_58 (FB),

Start 34:
• Found in 6 of 20 (30.0%) of genes in pham
• Manual Annotations of this start: 4 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DearBasketball_57 (DY), DinoNuggs_55 (DY), DonkeyMan_53 (DY), Jojo24_52 (DY), Reyja_55 (DY), Tarzan_53 (DY),

Start 36:
• Found in 2 of 20 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA4_56 (singleton), GMA5_23 (CW2),

Start 38:
• Found in 5 of 20 (25.0%) of genes in pham
• No Manual Annotations of this start.
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Enzomatic_67 (F1), Polo2Bam_66 (F1), SeaLumen_65 (F1),

Summary by clusters:

There are 7 clusters represented in this pham: F1, singleton, J, CW2, FB, DY, FJ,

Info for manual annotations of cluster DY:
•Start number 34 was manually annotated 4 times for cluster DY.

Info for manual annotations of cluster F1:
•Start number 26 was manually annotated 1 time for cluster F1.
•Start number 29 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster FB:
•Start number 33 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster FJ:
•Start number 31 was manually annotated 4 times for cluster FJ.

Gene Information:

Gene: Alatato_58 Start: 32911, Stop: 33129, Start Num: 33
Candidate Starts for Alatato_58:
(25, 32875), (Start: 33 @32911 has 1 MA's), (45, 33085),

Gene: DearBasketball_57 Start: 35676, Stop: 35882, Start Num: 34
Candidate Starts for DearBasketball_57:
(6, 35469), (16, 35598), (18, 35601), (Start: 34 @35676 has 4 MA's), (43, 35805), (44, 35814), (46, 35865),

Gene: DinoNuggs_55 Start: 35345, Stop: 35551, Start Num: 34
Candidate Starts for DinoNuggs_55:
(6, 35138), (16, 35267), (18, 35270), (Start: 34 @35345 has 4 MA's), (43, 35474), (44, 35483), (46, 35534),

Gene: DonkeyMan_53 Start: 34757, Stop: 34960, Start Num: 34
Candidate Starts for DonkeyMan_53:
(1, 34253), (2, 34328), (3, 34379), (5, 34469), (16, 34679), (18, 34682), (Start: 34 @34757 has 4 MA's), (43, 34883), (46, 34943),

Gene: DreamEater_55 Start: 36244, Stop: 36471, Start Num: 31
Candidate Starts for DreamEater_55:
(19, 36187), (21, 36196), (Start: 29 @36226 has 1 MA's), (Start: 31 @36244 has 4 MA's), (32, 36250), (48, 36451),

Gene: Enzomatic_67 Start: 40234, Stop: 40425, Start Num: 38
Candidate Starts for Enzomatic_67:
(9, 40060), (12, 40093), (13, 40108), (14, 40111), (22, 40150), (24, 40153), (Start: 26 @40174 has 1 MA's), (38, 40234), (39, 40267), (41, 40309), (42, 40315), (47, 40411),

Gene: GMA4_56 Start: 35967, Stop: 36167, Start Num: 36
Candidate Starts for GMA4_56:
(27, 35922), (30, 35940), (36, 35967), (43, 36072),

Gene: GMA5_23 Start: 15324, Stop: 15518, Start Num: 36
Candidate Starts for GMA5_23:
(36, 15324), (39, 15357), (43, 15423), (44, 15432),

Gene: GUPitcher_55 Start: 36358, Stop: 36585, Start Num: 31
Candidate Starts for GUPitcher_55:
(19, 36301), (21, 36310), (Start: 29 @36340 has 1 MA's), (Start: 31 @36358 has 4 MA's), (48, 36565),

Gene: Jojo24_52 Start: 34059, Stop: 34259, Start Num: 34
Candidate Starts for Jojo24_52:
(6, 33852), (16, 33981), (18, 33984), (Start: 34 @34059 has 4 MA's), (42, 34164), (43, 34182), (46, 34242),

Gene: Kukla_58 Start: 35826, Stop: 36047, Start Num: 31
Candidate Starts for Kukla_58:
(Start: 29 @35808 has 1 MA's), (Start: 31 @35826 has 4 MA's), (49, 36042),

Gene: Mantra_56 Start: 39272, Stop: 39523, Start Num: 26
Candidate Starts for Mantra_56:
(9, 39158), (12, 39191), (13, 39206), (14, 39209), (22, 39248), (24, 39251), (Start: 26 @39272 has 1 MA's), (35, 39305), (37, 39326), (38, 39332), (39, 39365), (41, 39407), (42, 39413), (47, 39509),

Gene: PetriParty_59 Start: 35832, Stop: 36071, Start Num: 29
Candidate Starts for PetriParty_59:
(4, 35535), (10, 35697), (19, 35793), (Start: 29 @35832 has 1 MA's), (Start: 31 @35850 has 4 MA's),

Gene: Polo2Bam_66 Start: 40234, Stop: 40425, Start Num: 38
Candidate Starts for Polo2Bam_66:
(9, 40060), (12, 40093), (13, 40108), (14, 40111), (22, 40150), (24, 40153), (Start: 26 @40174 has 1 MA's), (38, 40234), (39, 40267), (41, 40309), (42, 40315), (47, 40411),

Gene: RedBird_58 Start: 39602, Stop: 39850, Start Num: 29
Candidate Starts for RedBird_58:
(7, 39425), (11, 39494), (15, 39545), (17, 39557), (28, 39599), (Start: 29 @39602 has 1 MA's), (35, 39632), (38, 39659), (39, 39692), (41, 39734), (42, 39740), (47, 39836),

Gene: Reyja_55 Start: 35345, Stop: 35551, Start Num: 34
Candidate Starts for Reyja_55:
(6, 35138), (16, 35267), (18, 35270), (Start: 34 @35345 has 4 MA's), (43, 35474), (44, 35483), (46, 35534),

Gene: SeaLumen_65 Start: 40234, Stop: 40425, Start Num: 38
Candidate Starts for SeaLumen_65:
(9, 40060), (12, 40093), (13, 40108), (14, 40111), (22, 40150), (24, 40153), (Start: 26 @40174 has 1 MA's), (38, 40234), (39, 40267), (41, 40309), (42, 40315), (47, 40411),

Gene: Tarzan_53 Start: 34012, Stop: 34215, Start Num: 34
Candidate Starts for Tarzan_53:
(1, 33508), (2, 33583), (3, 33634), (5, 33724), (16, 33934), (18, 33937), (Start: 34 @34012 has 4 MA's), (43, 34138), (46, 34198),

Gene: TripleJ_59 Start: 35779, Stop: 36006, Start Num: 31

Candidate Starts for TripleJ_59:
(8, 35596), (19, 35722), (Start: 29 @35761 has 1 MA's), (Start: 31 @35779 has 4 MA's), (40, 35869),

Gene: Xiaokay_140 Start: 76894, Stop: 77154, Start Num: 23
Candidate Starts for Xiaokay_140:
(20, 76885), (23, 76894), (39, 77002), (41, 77044),