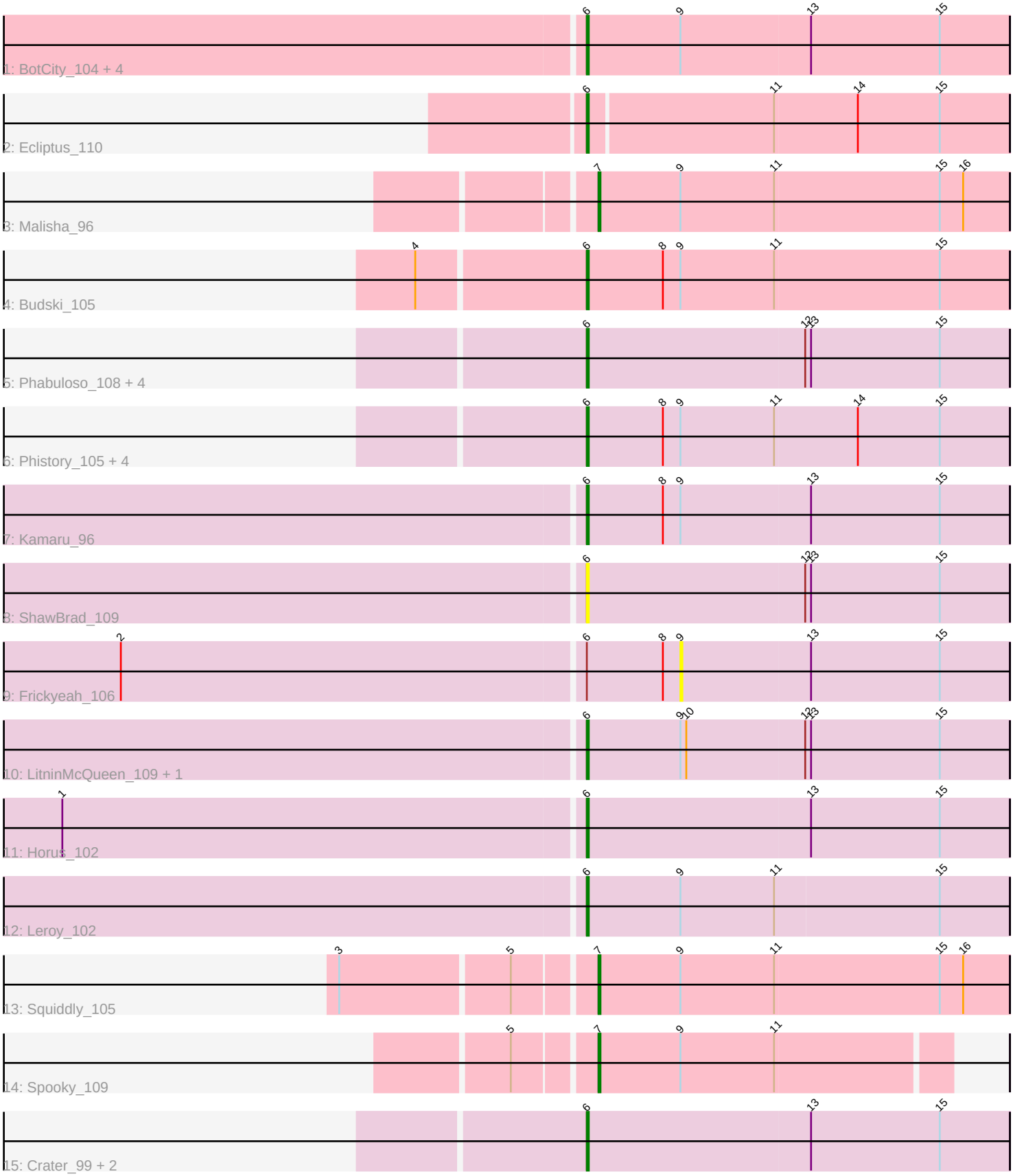
Pham 198296


1: BotCity_104 + 4
2: Ecliptus_110
3: Malisha_96
4: Budski_105
5: Phabuloso_108 + 4
6: Phistory_105 + 4
7: Kamaru_96
8: ShawBrad_109
9: Frickyeah_106
10: LitninMcQueen_109 + 1
11: Horus_102
12: Leroy_102
13: Squiddly_105
14: Spooky_109
15: Crater_99 + 2

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 198296 Report

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

Pham number 198296 has 30 members, 4 are drafts.

Phages represented in each track:
• Track 1 : BotCity_104, Holliday_101, ODay_118, CheeseTouch_109, Whitney_103
• Track 2 : Ecliptus_110
• Track 3 : Malisha_96
• Track 4 : Budski_105
• Track 5 : Phabuloso_108, Getalong_102, Lutum_103, BENtherdunthat_100, Kenna_97
• Track 6 : Phistory_105, MortyNRick_98, Birdsong_95, Asapag_97, BearBQ_101
• Track 7 : Kamaru_96
• Track 8 : ShawBrad_109
• Track 9 : Frickyeah_106
• Track 10 : LitninMcQueen_109, Kuwabara_93
• Track 11 : Horus_102
• Track 12 : Leroy_102
• Track 13 : Squiddly_105
• Track 14 : Spooky_109
• Track 15 : Crater_99, Apricot_100, Periwinkle_108

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

The start number called the most often in the published annotations is 6, it was called in 23 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Apricot_100, Asapag_97, BENtherdunthat_100, BearBQ_101, Birdsong_95, BotCity_104, Budski_105, CheeseTouch_109, Crater_99, Ecliptus_110, Getalong_102, Holliday_101, Horus_102, Kamaru_96, Kenna_97, Kuwabara_93, Leroy_102, LitninMcQueen_109, Lutum_103, MortyNRick_98, ODay_118, Periwinkle_108, Phabuloso_108, Phistory_105, ShawBrad_109, Whitney_103,

Genes that have the "Most Annotated" start but do not call it:
• Frickyeah_106,

Genes that do not have the "Most Annotated" start:
• Malisha_96, Spooky_109, Squiddly_105,

Summary by start number:

Start 6:
• Found in 27 of 30 (90.0%) of genes in pham
• Manual Annotations of this start: 23 of 26
• Called 96.3% of time when present
• Phage (with cluster) where this start called: Apricot_100 (DN3), Asapag_97 (DN1), BENtherdunthat_100 (DN1), BearBQ_101 (DN), Birdsong_95 (DN), BotCity_104 (DN), Budski_105 (DN), CheeseTouch_109 (DN1), Crater_99 (DN3), Ecliptus_110 (DN), Getalong_102 (DN1), Holliday_101 (DN1), Horus_102 (DN1), Kamaru_96 (DN1), Kenna_97 (DN1), Kuwabara_93 (DN4), Leroy_102 (DN1), LitninMcQueen_109 (DN1), Lutum_103 (DN1), MortyNRick_98 (DN), ODay_118 (DN), Periwinkle_108 (DN1), Phabuloso_108 (DN1), Phistory_105 (DN1), ShawBrad_109 (DN1), Whitney_103 (DN1),

Start 7:
• Found in 3 of 30 (10.0%) of genes in pham
• Manual Annotations of this start: 3 of 26
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Malisha_96 (DN), Spooky_109 (DN2), Squiddly_105 (DN2),

Start 9:
• Found in 19 of 30 (63.3%) of genes in pham
• No Manual Annotations of this start.
• Called 5.3% of time when present
• Phage (with cluster) where this start called: Frickyeah_106 (DN1),

Summary by clusters:

There are 5 clusters represented in this pham: DN, DN4, DN1, DN3, DN2,

Info for manual annotations of cluster DN:
•Start number 6 was manually annotated 5 times for cluster DN.
•Start number 7 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 6 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:
•Start number 7 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:
•Start number 6 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:
•Start number 6 was manually annotated 1 time for cluster DN4.

Gene Information:

Gene: Apricot_100 Start: 51604, Stop: 51819, Start Num: 6
Candidate Starts for Apricot_100:
(Start: 6 @51604 has 23 MA's), (13, 51718), (15, 51784),

Gene: Asapag_97 Start: 53800, Stop: 54015, Start Num: 6
Candidate Starts for Asapag_97:
(Start: 6 @53800 has 23 MA's), (8, 53839), (9, 53848), (11, 53896), (14, 53938), (15, 53980),

Gene: BENtherdunthat_100 Start: 53548, Stop: 53763, Start Num: 6
Candidate Starts for BENtherdunthat_100:
(Start: 6 @53548 has 23 MA's), (12, 53659), (13, 53662), (15, 53728),

Gene: BearBQ_101 Start: 54483, Stop: 54698, Start Num: 6
Candidate Starts for BearBQ_101:
(Start: 6 @54483 has 23 MA's), (8, 54522), (9, 54531), (11, 54579), (14, 54621), (15, 54663),

Gene: Birdsong_95 Start: 52471, Stop: 52686, Start Num: 6
Candidate Starts for Birdsong_95:
(Start: 6 @52471 has 23 MA's), (8, 52510), (9, 52519), (11, 52567), (14, 52609), (15, 52651),

Gene: BotCity_104 Start: 54574, Stop: 54789, Start Num: 6
Candidate Starts for BotCity_104:
(Start: 6 @54574 has 23 MA's), (9, 54622), (13, 54688), (15, 54754),

Gene: Budski_105 Start: 55240, Stop: 55455, Start Num: 6
Candidate Starts for Budski_105:
(4, 55156), (Start: 6 @55240 has 23 MA's), (8, 55279), (9, 55288), (11, 55336), (15, 55420),

Gene: CheeseTouch_109 Start: 52662, Stop: 52877, Start Num: 6
Candidate Starts for CheeseTouch_109:
(Start: 6 @52662 has 23 MA's), (9, 52710), (13, 52776), (15, 52842),

Gene: Crater_99 Start: 51948, Stop: 52163, Start Num: 6
Candidate Starts for Crater_99:
(Start: 6 @51948 has 23 MA's), (13, 52062), (15, 52128),

Gene: Ecliptus_110 Start: 55335, Stop: 55547, Start Num: 6
Candidate Starts for Ecliptus_110:
(Start: 6 @55335 has 23 MA's), (11, 55428), (14, 55470), (15, 55512),

Gene: Frickyeah_106 Start: 54122, Stop: 54289, Start Num: 9
Candidate Starts for Frickyeah_106:
(2, 53840), (Start: 6 @54074 has 23 MA's), (8, 54113), (9, 54122), (13, 54188), (15, 54254),

Gene: Getalong_102 Start: 54895, Stop: 55110, Start Num: 6
Candidate Starts for Getalong_102:
(Start: 6 @54895 has 23 MA's), (12, 55006), (13, 55009), (15, 55075),

Gene: Holliday_101 Start: 56325, Stop: 56540, Start Num: 6
Candidate Starts for Holliday_101:
(Start: 6 @56325 has 23 MA's), (9, 56373), (13, 56439), (15, 56505),

Gene: Horus_102 Start: 54349, Stop: 54564, Start Num: 6

Candidate Starts for Horus_102:
(1, 54085), (Start: 6 @54349 has 23 MA's), (13, 54463), (15, 54529),

Gene: Kamaru_96 Start: 52208, Stop: 52423, Start Num: 6
Candidate Starts for Kamaru_96:
(Start: 6 @52208 has 23 MA's), (8, 52247), (9, 52256), (13, 52322), (15, 52388),

Gene: Kenna_97 Start: 52729, Stop: 52944, Start Num: 6
Candidate Starts for Kenna_97:
(Start: 6 @52729 has 23 MA's), (12, 52840), (13, 52843), (15, 52909),

Gene: Kuwabara_93 Start: 53514, Stop: 53729, Start Num: 6
Candidate Starts for Kuwabara_93:
(Start: 6 @53514 has 23 MA's), (9, 53562), (10, 53565), (12, 53625), (13, 53628), (15, 53694),

Gene: Leroy_102 Start: 52544, Stop: 52759, Start Num: 6
Candidate Starts for Leroy_102:
(Start: 6 @52544 has 23 MA's), (9, 52592), (11, 52640), (15, 52724),

Gene: LitninMcQueen_109 Start: 55973, Stop: 56188, Start Num: 6
Candidate Starts for LitninMcQueen_109:
(Start: 6 @55973 has 23 MA's), (9, 56021), (10, 56024), (12, 56084), (13, 56087), (15, 56153),

Gene: Lutum_103 Start: 54048, Stop: 54263, Start Num: 6
Candidate Starts for Lutum_103:
(Start: 6 @54048 has 23 MA's), (12, 54159), (13, 54162), (15, 54228),

Gene: Malisha_96 Start: 55188, Stop: 55397, Start Num: 7
Candidate Starts for Malisha_96:
(Start: 7 @55188 has 3 MA's), (9, 55230), (11, 55278), (15, 55362), (16, 55374),

Gene: MortyNRick_98 Start: 53388, Stop: 53603, Start Num: 6
Candidate Starts for MortyNRick_98:
(Start: 6 @53388 has 23 MA's), (8, 53427), (9, 53436), (11, 53484), (14, 53526), (15, 53568),

Gene: ODay_118 Start: 58260, Stop: 58475, Start Num: 6
Candidate Starts for ODay_118:
(Start: 6 @58260 has 23 MA's), (9, 58308), (13, 58374), (15, 58440),

Gene: Periwinkle_108 Start: 55171, Stop: 55386, Start Num: 6
Candidate Starts for Periwinkle_108:
(Start: 6 @55171 has 23 MA's), (13, 55285), (15, 55351),

Gene: Phabuloso_108 Start: 54607, Stop: 54822, Start Num: 6
Candidate Starts for Phabuloso_108:
(Start: 6 @54607 has 23 MA's), (12, 54718), (13, 54721), (15, 54787),

Gene: Phistory_105 Start: 52599, Stop: 52814, Start Num: 6
Candidate Starts for Phistory_105:
(Start: 6 @52599 has 23 MA's), (8, 52638), (9, 52647), (11, 52695), (14, 52737), (15, 52779),

Gene: ShawBrad_109 Start: 54607, Stop: 54822, Start Num: 6
Candidate Starts for ShawBrad_109:

(Start: 6 @54607 has 23 MA's), (12, 54718), (13, 54721), (15, 54787),

Gene: Spooky_109 Start: 56597, Stop: 56773, Start Num: 7
Candidate Starts for Spooky_109:
(5, 56558), (Start: 7 @56597 has 3 MA's), (9, 56639), (11, 56687),

Gene: Squiddly_105 Start: 57244, Stop: 57453, Start Num: 7
Candidate Starts for Squiddly_105:
(3, 57121), (5, 57205), (Start: 7 @57244 has 3 MA's), (9, 57286), (11, 57334), (15, 57418), (16, 57430),

Gene: Whitney_103 Start: 55298, Stop: 55513, Start Num: 6
Candidate Starts for Whitney_103:
(Start: 6 @55298 has 23 MA's), (9, 55346), (13, 55412), (15, 55478),