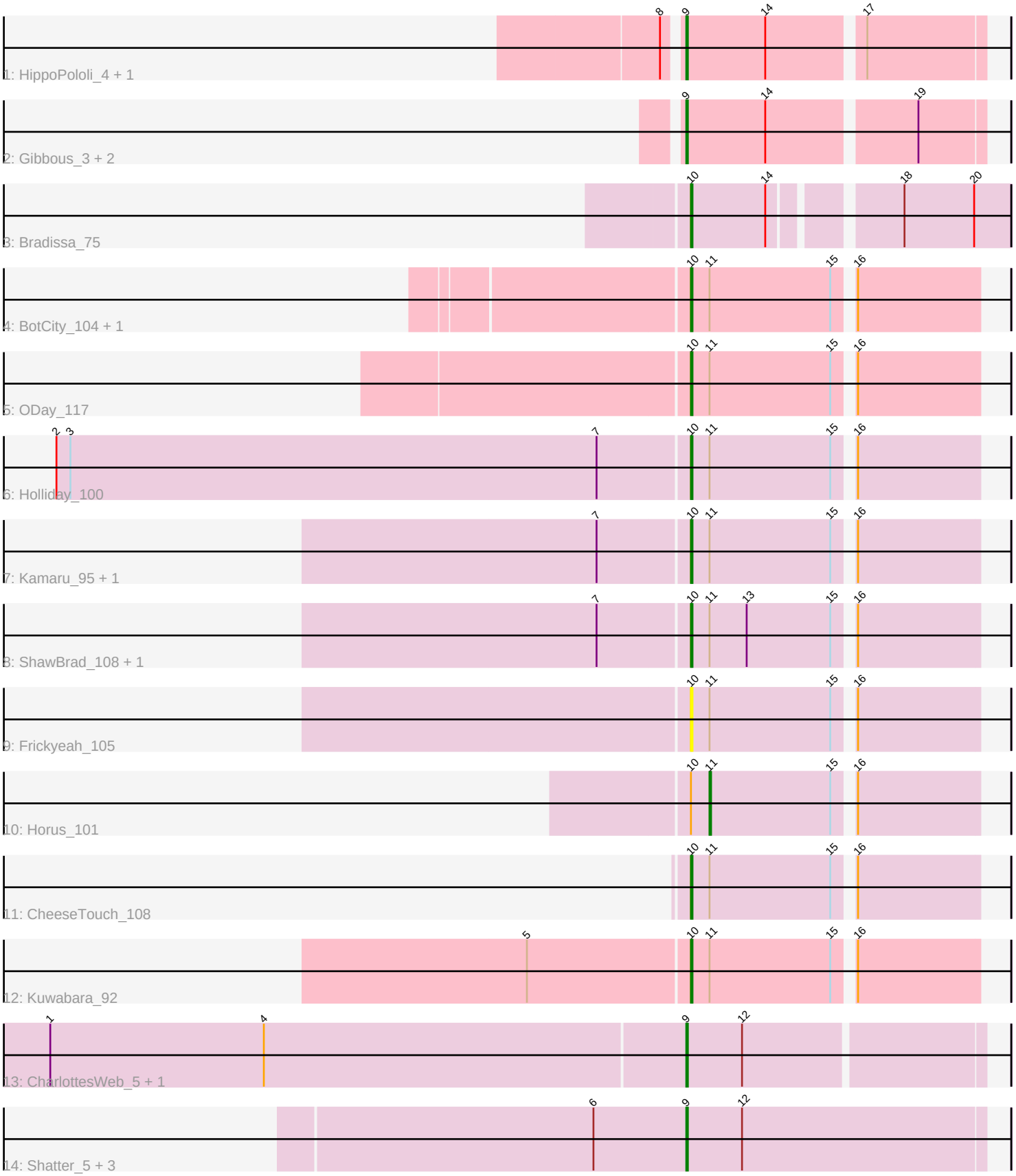
Pham 288173


1: HippoPololi_4 + 1
2: Gibbous_3 + 2
3: Bradissa_75
4: BotCity_104 + 1
5: ODay_117
6: Holliday_100
7: Kamaru_95 + 1
8: ShawBrad_108 + 1
9: Frickyeah_105
10: Horus_101
11: CheeseTouch_108
12: Kuwabara_92
13: CharlottesWeb_5 + 1
14: Shatter_5 + 3

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 288173 Report

This analysis was run 03/28/26 on database version 641.

Pham number 288173 has 24 members, 3 are drafts.

Phages represented in each track:
• Track 1 : HippoPololi_4, Survivors_4
• Track 2 : Gibbous_3, Cleo_3, Dre3_3
• Track 3 : Bradissa_75
• Track 4 : BotCity_104, Whitney_102
• Track 5 : ODay_117
• Track 6 : Holliday_100
• Track 7 : Kamaru_95, Leroy_101
• Track 8 : ShawBrad_108, LitninMcQueen_108
• Track 9 : Frickyeah_105
• Track 10 : Horus_101
• Track 11 : CheeseTouch_108
• Track 12 : Kuwabara_92
• Track 13 : CharlottesWeb_5, Mariokart_5
• Track 14 : Shatter_5, Fresco_5, Ligma_5, Axumite_5

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 10 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BotCity_104, Bradissa_75, CheeseTouch_108, Frickyeah_105, Holliday_100, Kamaru_95, Kuwabara_92, Leroy_101, LitninMcQueen_108, ODay_117, ShawBrad_108, Whitney_102,

Genes that have the "Most Annotated" start but do not call it:
• Horus_101,

Genes that do not have the "Most Annotated" start:
• Axumite_5, CharlottesWeb_5, Cleo_3, Dre3_3, Fresco_5, Gibbous_3, HippoPololi_4, Ligma_5, Mariokart_5, Shatter_5, Survivors_4,

Summary by start number:

Start 9:
• Found in 11 of 24 (45.8%) of genes in pham
• Manual Annotations of this start: 10 of 21
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Axumite_5 (DR), CharlottesWeb_5 (DR), Cleo_3 (CT), Dre3_3 (CT), Fresco_5 (DR), Gibbous_3 (CT), HippoPololi_4 (CT), Ligma_5 (DR), Mariokart_5 (DR), Shatter_5 (DR), Survivors_4 (CT),

Start 10:
• Found in 13 of 24 (54.2%) of genes in pham
• Manual Annotations of this start: 10 of 21
• Called 92.3% of time when present
• Phage (with cluster) where this start called: BotCity_104 (DN), Bradissa_75 (CY1), CheeseTouch_108 (DN1), Frickyeah_105 (DN1), Holliday_100 (DN1), Kamaru_95 (DN1), Kuwabara_92 (DN4), Leroy_101 (DN1), LitninMcQueen_108 (DN1), ODay_117 (DN), ShawBrad_108 (DN1), Whitney_102 (DN1),

Start 11:
• Found in 12 of 24 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 21
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Horus_101 (DN1),

Summary by clusters:

There are 6 clusters represented in this pham: DN, CY1, DN4, DN1, DR, CT,

Info for manual annotations of cluster CT:
•Start number 9 was manually annotated 5 times for cluster CT.

Info for manual annotations of cluster CY1:
•Start number 10 was manually annotated 1 time for cluster CY1.

Info for manual annotations of cluster DN:
•Start number 10 was manually annotated 2 times for cluster DN.

Info for manual annotations of cluster DN1:
•Start number 10 was manually annotated 6 times for cluster DN1.
•Start number 11 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster DN4:
•Start number 10 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DR:
•Start number 9 was manually annotated 5 times for cluster DR.

Gene Information:

Gene: Axumite_5 Start: 4365, Stop: 4174, Start Num: 9
Candidate Starts for Axumite_5:
(6, 4425), (Start: 9 @4365 has 10 MA's), (12, 4329),

Gene: BotCity_104 Start: 54401, Stop: 54577, Start Num: 10
Candidate Starts for BotCity_104:
(Start: 10 @54401 has 10 MA's), (Start: 11 @54413 has 1 MA's), (15, 54491), (16, 54500),

Gene: Bradissa_75 Start: 51343, Stop: 51531, Start Num: 10
Candidate Starts for Bradissa_75:
(Start: 10 @51343 has 10 MA's), (14, 51391), (18, 51463), (20, 51508),

Gene: CharlottesWeb_5 Start: 4361, Stop: 4176, Start Num: 9
Candidate Starts for CharlottesWeb_5:
(1, 4769), (4, 4631), (Start: 9 @4361 has 10 MA's), (12, 4325),

Gene: CheeseTouch_108 Start: 52489, Stop: 52665, Start Num: 10
Candidate Starts for CheeseTouch_108:
(Start: 10 @52489 has 10 MA's), (Start: 11 @52501 has 1 MA's), (15, 52579), (16, 52588),

Gene: Cleo_3 Start: 1060, Stop: 1242, Start Num: 9
Candidate Starts for Cleo_3:
(Start: 9 @1060 has 10 MA's), (14, 1111), (19, 1201),

Gene: Dre3_3 Start: 1004, Stop: 1186, Start Num: 9
Candidate Starts for Dre3_3:
(Start: 9 @1004 has 10 MA's), (14, 1055), (19, 1145),

Gene: Fresco_5 Start: 4365, Stop: 4174, Start Num: 9
Candidate Starts for Fresco_5:
(6, 4425), (Start: 9 @4365 has 10 MA's), (12, 4329),

Gene: Frickyeah_105 Start: 53901, Stop: 54077, Start Num: 10
Candidate Starts for Frickyeah_105:
(Start: 10 @53901 has 10 MA's), (Start: 11 @53913 has 1 MA's), (15, 53991), (16, 54000),

Gene: Gibbous_3 Start: 1004, Stop: 1186, Start Num: 9
Candidate Starts for Gibbous_3:
(Start: 9 @1004 has 10 MA's), (14, 1055), (19, 1145),

Gene: HippoPololi_4 Start: 1032, Stop: 1214, Start Num: 9
Candidate Starts for HippoPololi_4:
(8, 1023), (Start: 9 @1032 has 10 MA's), (14, 1083), (17, 1140),

Gene: Holliday_100 Start: 56152, Stop: 56328, Start Num: 10
Candidate Starts for Holliday_100:
(2, 55747), (3, 55756), (7, 56095), (Start: 10 @56152 has 10 MA's), (Start: 11 @56164 has 1 MA's),
(15, 56242), (16, 56251),

Gene: Horus_101 Start: 54188, Stop: 54352, Start Num: 11
Candidate Starts for Horus_101:
(Start: 10 @54176 has 10 MA's), (Start: 11 @54188 has 1 MA's), (15, 54266), (16, 54275),

Gene: Kamaru_95 Start: 52035, Stop: 52211, Start Num: 10
Candidate Starts for Kamaru_95:
(7, 51978), (Start: 10 @52035 has 10 MA's), (Start: 11 @52047 has 1 MA's), (15, 52125), (16, 52134),

Gene: Kuwabara_92 Start: 53341, Stop: 53517, Start Num: 10
Candidate Starts for Kuwabara_92:
(5, 53239), (Start: 10 @53341 has 10 MA's), (Start: 11 @53353 has 1 MA's), (15, 53431), (16, 53440),

Gene: Leroy_101 Start: 52371, Stop: 52547, Start Num: 10
Candidate Starts for Leroy_101:
(7, 52314), (Start: 10 @52371 has 10 MA's), (Start: 11 @52383 has 1 MA's), (15, 52461), (16, 52470),

Gene: Ligma_5 Start: 4365, Stop: 4174, Start Num: 9
Candidate Starts for Ligma_5:
(6, 4425), (Start: 9 @4365 has 10 MA's), (12, 4329),

Gene: LitninMcQueen_108 Start: 55800, Stop: 55976, Start Num: 10
Candidate Starts for LitninMcQueen_108:
(7, 55743), (Start: 10 @55800 has 10 MA's), (Start: 11 @55812 has 1 MA's), (13, 55836), (15, 55890), (16, 55899),

Gene: Mariokart_5 Start: 4361, Stop: 4176, Start Num: 9
Candidate Starts for Mariokart_5:
(1, 4769), (4, 4631), (Start: 9 @4361 has 10 MA's), (12, 4325),

Gene: ODay_117 Start: 58087, Stop: 58263, Start Num: 10
Candidate Starts for ODay_117:
(Start: 10 @58087 has 10 MA's), (Start: 11 @58099 has 1 MA's), (15, 58177), (16, 58186),

Gene: Shatter_5 Start: 4365, Stop: 4174, Start Num: 9
Candidate Starts for Shatter_5:
(6, 4425), (Start: 9 @4365 has 10 MA's), (12, 4329),

Gene: ShawBrad_108 Start: 54434, Stop: 54610, Start Num: 10
Candidate Starts for ShawBrad_108:
(7, 54377), (Start: 10 @54434 has 10 MA's), (Start: 11 @54446 has 1 MA's), (13, 54470), (15, 54524), (16, 54533),

Gene: Survivors_4 Start: 1009, Stop: 1191, Start Num: 9
Candidate Starts for Survivors_4:
(8, 1000), (Start: 9 @1009 has 10 MA's), (14, 1060), (17, 1117),

Gene: Whitney_102 Start: 55125, Stop: 55301, Start Num: 10
Candidate Starts for Whitney_102:
(Start: 10 @55125 has 10 MA's), (Start: 11 @55137 has 1 MA's), (15, 55215), (16, 55224),