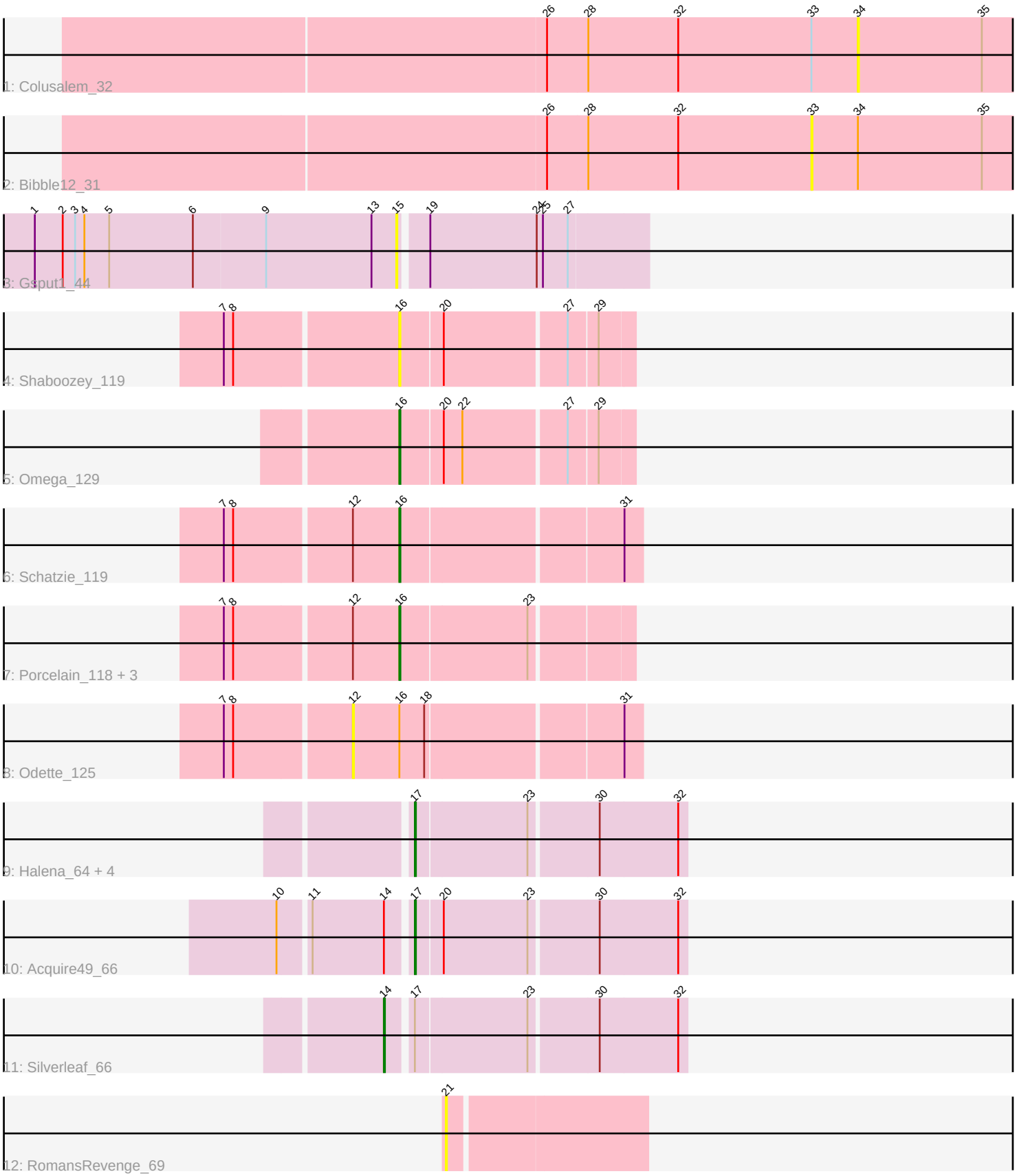
Pham 223452


1: Colusalem_32
2: Bibble12_31
3: Gsput1_44
4: Shaboozey_119
5: Omega_129
6: Schatzie_119
7: Porcelain_118 + 3
8: Odette_125
9: Halena_64 + 4
10: Acquire49_66
11: Silverleaf_66
12: RomansRevenge_69

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 223452 Report

This analysis was run 03/28/25 on database version 593.

Pham number 223452 has 19 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Colusalem_32
• Track 2 : Bibble12_31
• Track 3 : Gsput1_44
• Track 4 : Shaboozey_119
• Track 5 : Omega_129
• Track 6 : Schatzie_119
• Track 7 : Porcelain_118, Rearden_116, KashFlow_115, Hannaconda_109
• Track 8 : Odette_125
• Track 9 : Halena_64, Zaria_67, DirkDirk_63, LeBron_65, Calm_67
• Track 10 : Acquire49_66
• Track 11 : Silverleaf_66
• Track 12 : RomansRevenge_69

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

The start number called the most often in the published annotations is 17, it was called in 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_66, Calm_67, DirkDirk_63, Halena_64, LeBron_65, Zaria_67,

Genes that have the "Most Annotated" start but do not call it:
• Silverleaf_66,

Genes that do not have the "Most Annotated" start:
• Bibble12_31, Colusalem_32, Gsput1_44, Hannaconda_109, KashFlow_115, Odette_125, Omega_129, Porcelain_118, Rearden_116, RomansRevenge_69, Schatzie_119, Shaboozey_119,

Summary by start number:

Start 12:
• Found in 6 of 19 (31.6%) of genes in pham
• No Manual Annotations of this start.

• Called 16.7% of time when present
• Phage (with cluster) where this start called: Odette_125 (J),

Start 14:
• Found in 2 of 19 (10.5%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Silverleaf_66 (L1),

Start 15:
• Found in 1 of 19 (5.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gsput1_44 (CU2),

Start 16:
• Found in 8 of 19 (42.1%) of genes in pham
• Manual Annotations of this start: 5 of 12
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Hannaconda_109 (J), KashFlow_115 (J), Omega_129 (J), Porcelain_118 (J), Rearden_116 (J), Schatzie_119 (J), Shaboozey_119 (J),

Start 17:
• Found in 7 of 19 (36.8%) of genes in pham
• Manual Annotations of this start: 6 of 12
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Acquire49_66 (L1), Calm_67 (L1), DirkDirk_63 (L1), Halena_64 (L1), LeBron_65 (L1), Zaria_67 (L1),

Start 21:
• Found in 1 of 19 (5.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RomansRevenge_69 (singleton),

Start 33:
• Found in 2 of 19 (10.5%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Bibble12_31 (AS2),

Start 34:
• Found in 2 of 19 (10.5%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Colusalem_32 (AS2),

Summary by clusters:

There are 5 clusters represented in this pham: AS2, singleton, J, CU2, L1,

Info for manual annotations of cluster J:
•Start number 16 was manually annotated 5 times for cluster J.

Info for manual annotations of cluster L1:
•Start number 14 was manually annotated 1 time for cluster L1.
•Start number 17 was manually annotated 6 times for cluster L1.

Gene Information:

Gene: Acquire49_66 Start: 45197, Stop: 45448, Start Num: 17
Candidate Starts for Acquire49_66:
(10, 45080), (11, 45107), (Start: 14 @45176 has 1 MA's), (Start: 17 @45197 has 6 MA's), (20, 45221), (23, 45302), (30, 45365), (32, 45440),

Gene: Bibble12_31 Start: 21385, Stop: 21161, Start Num: 33
Candidate Starts for Bibble12_31:
(26, 21640), (28, 21601), (32, 21514), (33, 21385), (34, 21340), (35, 21220),

Gene: Calm_67 Start: 44988, Stop: 45239, Start Num: 17
Candidate Starts for Calm_67:
(Start: 17 @44988 has 6 MA's), (23, 45093), (30, 45156), (32, 45231),

Gene: Colusalem_32 Start: 21321, Stop: 21142, Start Num: 34
Candidate Starts for Colusalem_32:
(26, 21621), (28, 21582), (32, 21495), (33, 21366), (34, 21321), (35, 21201),

Gene: DirkDirk_63 Start: 44398, Stop: 44649, Start Num: 17
Candidate Starts for DirkDirk_63:
(Start: 17 @44398 has 6 MA's), (23, 44503), (30, 44566), (32, 44641),

Gene: Gsput1_44 Start: 32260, Stop: 32490, Start Num: 15
Candidate Starts for Gsput1_44:
(1, 31912), (2, 31939), (3, 31951), (4, 31960), (5, 31984), (6, 32065), (9, 32134), (13, 32236), (15, 32260), (19, 32284), (24, 32386), (25, 32392), (27, 32416),

Gene: Halena_64 Start: 44435, Stop: 44686, Start Num: 17
Candidate Starts for Halena_64:
(Start: 17 @44435 has 6 MA's), (23, 44540), (30, 44603), (32, 44678),

Gene: Hannaconda_109 Start: 62823, Stop: 63035, Start Num: 16
Candidate Starts for Hannaconda_109:
(7, 62661), (8, 62670), (12, 62778), (Start: 16 @62823 has 5 MA's), (23, 62943),

Gene: KashFlow_115 Start: 65328, Stop: 65540, Start Num: 16
Candidate Starts for KashFlow_115:
(7, 65166), (8, 65175), (12, 65283), (Start: 16 @65328 has 5 MA's), (23, 65448),

Gene: LeBron_65 Start: 44439, Stop: 44690, Start Num: 17
Candidate Starts for LeBron_65:
(Start: 17 @44439 has 6 MA's), (23, 44544), (30, 44607), (32, 44682),

Gene: Odette_125 Start: 69428, Stop: 69694, Start Num: 12
Candidate Starts for Odette_125:
(7, 69311), (8, 69320), (12, 69428), (Start: 16 @69473 has 5 MA's), (18, 69497), (31, 69677),

Gene: Omega_129 Start: 69312, Stop: 69524, Start Num: 16
Candidate Starts for Omega_129:
(Start: 16 @69312 has 5 MA's), (20, 69351), (22, 69369), (27, 69465), (29, 69492),

Gene: Porcelain_118 Start: 65153, Stop: 65365, Start Num: 16
Candidate Starts for Porcelain_118:
(7, 64991), (8, 65000), (12, 65108), (Start: 16 @65153 has 5 MA's), (23, 65273),

Gene: Rearden_116 Start: 64864, Stop: 65076, Start Num: 16
Candidate Starts for Rearden_116:
(7, 64702), (8, 64711), (12, 64819), (Start: 16 @64864 has 5 MA's), (23, 64984),

Gene: RomansRevenge_69 Start: 47385, Stop: 47200, Start Num: 21
Candidate Starts for RomansRevenge_69:
(21, 47385),

Gene: Schatzie_119 Start: 68356, Stop: 68577, Start Num: 16
Candidate Starts for Schatzie_119:
(7, 68194), (8, 68203), (12, 68311), (Start: 16 @68356 has 5 MA's), (31, 68560),

Gene: Shaboozey_119 Start: 65288, Stop: 65500, Start Num: 16
Candidate Starts for Shaboozey_119:
(7, 65126), (8, 65135), (Start: 16 @65288 has 5 MA's), (20, 65327), (27, 65441), (29, 65468),

Gene: Silverleaf_66 Start: 45037, Stop: 45309, Start Num: 14
Candidate Starts for Silverleaf_66:
(Start: 14 @45037 has 1 MA's), (Start: 17 @45058 has 6 MA's), (23, 45163), (30, 45226), (32, 45301),

Gene: Zaria_67 Start: 44988, Stop: 45239, Start Num: 17
Candidate Starts for Zaria_67:
(Start: 17 @44988 has 6 MA's), (23, 45093), (30, 45156), (32, 45231),