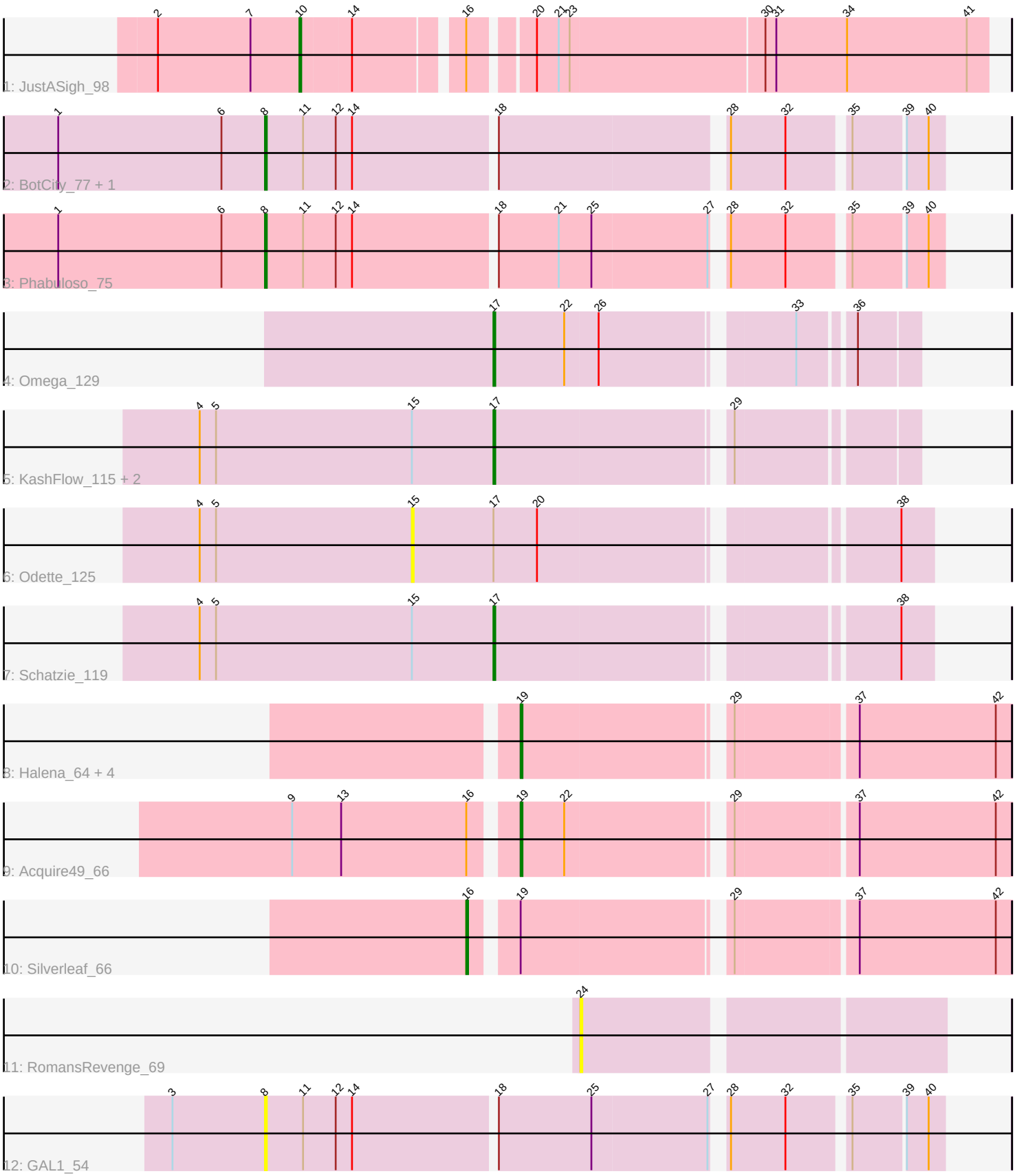
Pham 203338


1: JustASigh_98
2: BotCity_77 + 1
3: Phabuloso_75
4: Omega_129
5: KashFlow_115 + 2
6: Odette_125
7: Schatzie_119
8: Halena_64 + 4
9: Acquire49_66
10: Silverleaf_66
11: RomansRevenge_69
12: GAL1_54

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 203338 Report

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

Pham number 203338 has 19 members, 4 are drafts.

Phages represented in each track:
• Track 1 : JustASigh_98
• Track 2 : BotCity_77, BearBQ_70
• Track 3 : Phabuloso_75
• Track 4 : Omega_129
• Track 5 : KashFlow_115, Porcelain_118, Hannaconda_109
• Track 6 : Odette_125
• Track 7 : Schatzie_119
• Track 8 : Halena_64, DirkDirk_63, LeBron_65, Zaria_67, Calm_67
• Track 9 : Acquire49_66
• Track 10 : Silverleaf_66
• Track 11 : RomansRevenge_69
• Track 12 : GAL1_54

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

The start number called the most often in the published annotations is 19, it was called in 6 of the 15 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:
• BearBQ_70, BotCity_77, GAL1_54, Hannaconda_109, JustASigh_98, KashFlow_115, Odette_125, Omega_129, Phabuloso_75, Porcelain_118, RomansRevenge_69, Schatzie_119,

Summary by start number:

Start 8:
• Found in 4 of 19 (21.1%) of genes in pham
• Manual Annotations of this start: 2 of 15

• Called 100.0% of time when present
• Phage (with cluster) where this start called: BearBQ_70 (DN), BotCity_77 (DN), GAL1_54 (singleton), Phabuloso_75 (DN1),

Start 10:
• Found in 1 of 19 (5.3%) 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: JustASigh_98 (AH),

Start 15:
• Found in 5 of 19 (26.3%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Odette_125 (J),

Start 16:
• Found in 3 of 19 (15.8%) of genes in pham
• Manual Annotations of this start: 1 of 15
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Silverleaf_66 (L1),

Start 17:
• Found in 6 of 19 (31.6%) of genes in pham
• Manual Annotations of this start: 5 of 15
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Hannaconda_109 (J), KashFlow_115 (J), Omega_129 (J), Porcelain_118 (J), Schatzie_119 (J),

Start 19:
• Found in 7 of 19 (36.8%) of genes in pham
• Manual Annotations of this start: 6 of 15
• 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 24:
• 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),

Summary by clusters:

There are 6 clusters represented in this pham: DN, singleton, AH, J, DN1, L1,

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

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

Info for manual annotations of cluster DN1:

•Start number 8 was manually annotated 1 time for cluster DN1.

Info for manual annotations of cluster J:
•Start number 17 was manually annotated 5 times for cluster J.

Info for manual annotations of cluster L1:
•Start number 16 was manually annotated 1 time for cluster L1.
•Start number 19 was manually annotated 6 times for cluster L1.

Gene Information:

Gene: Acquire49_66 Start: 45197, Stop: 45448, Start Num: 19
Candidate Starts for Acquire49_66:
(9, 45080), (13, 45107), (Start: 16 @45176 has 1 MA's), (Start: 19 @45197 has 6 MA's), (22, 45221), (29, 45302), (37, 45365), (42, 45440),

Gene: BearBQ_70 Start: 44365, Stop: 44712, Start Num: 8
Candidate Starts for BearBQ_70:
(1, 44251), (6, 44341), (Start: 8 @44365 has 2 MA's), (11, 44386), (12, 44404), (14, 44413), (18, 44488), (28, 44605), (32, 44635), (35, 44665), (39, 44692), (40, 44704),

Gene: BotCity_77 Start: 44601, Stop: 44948, Start Num: 8
Candidate Starts for BotCity_77:
(1, 44487), (6, 44577), (Start: 8 @44601 has 2 MA's), (11, 44622), (12, 44640), (14, 44649), (18, 44724), (28, 44841), (32, 44871), (35, 44901), (39, 44928), (40, 44940),

Gene: Calm_67 Start: 44988, Stop: 45239, Start Num: 19
Candidate Starts for Calm_67:
(Start: 19 @44988 has 6 MA's), (29, 45093), (37, 45156), (42, 45231),

Gene: DirkDirk_63 Start: 44398, Stop: 44649, Start Num: 19
Candidate Starts for DirkDirk_63:
(Start: 19 @44398 has 6 MA's), (29, 44503), (37, 44566), (42, 44641),

Gene: GAL1_54 Start: 37553, Stop: 37900, Start Num: 8
Candidate Starts for GAL1_54:
(3, 37502), (Start: 8 @37553 has 2 MA's), (11, 37574), (12, 37592), (14, 37601), (18, 37676), (25, 37727), (27, 37790), (28, 37793), (32, 37823), (35, 37853), (39, 37880), (40, 37892),

Gene: Halena_64 Start: 44435, Stop: 44686, Start Num: 19
Candidate Starts for Halena_64:
(Start: 19 @44435 has 6 MA's), (29, 44540), (37, 44603), (42, 44678),

Gene: Hannaconda_109 Start: 62823, Stop: 63035, Start Num: 17
Candidate Starts for Hannaconda_109:
(4, 62661), (5, 62670), (15, 62778), (Start: 17 @62823 has 5 MA's), (29, 62943),

Gene: JustASigh_98 Start: 55410, Stop: 55766, Start Num: 10
Candidate Starts for JustASigh_98:
(2, 55332), (7, 55383), (Start: 10 @55410 has 1 MA's), (14, 55437), (Start: 16 @55491 has 1 MA's), (20, 55521), (21, 55533), (23, 55539), (30, 55644), (31, 55650), (34, 55689), (41, 55755),

Gene: KashFlow_115 Start: 65328, Stop: 65540, Start Num: 17
Candidate Starts for KashFlow_115:
(4, 65166), (5, 65175), (15, 65283), (Start: 17 @65328 has 5 MA's), (29, 65448),

Gene: LeBron_65 Start: 44439, Stop: 44690, Start Num: 19
Candidate Starts for LeBron_65:
(Start: 19 @44439 has 6 MA's), (29, 44544), (37, 44607), (42, 44682),

Gene: Odette_125 Start: 69428, Stop: 69694, Start Num: 15
Candidate Starts for Odette_125:
(4, 69311), (5, 69320), (15, 69428), (Start: 17 @69473 has 5 MA's), (20, 69497), (38, 69677),

Gene: Omega_129 Start: 69312, Stop: 69524, Start Num: 17
Candidate Starts for Omega_129:
(Start: 17 @69312 has 5 MA's), (22, 69351), (26, 69369), (33, 69465), (36, 69492),

Gene: Phabuloso_75 Start: 43819, Stop: 44166, Start Num: 8
Candidate Starts for Phabuloso_75:
(1, 43705), (6, 43795), (Start: 8 @43819 has 2 MA's), (11, 43840), (12, 43858), (14, 43867), (18, 43942), (21, 43975), (25, 43993), (27, 44056), (28, 44059), (32, 44089), (35, 44119), (39, 44146), (40, 44158),

Gene: Porcelain_118 Start: 65153, Stop: 65365, Start Num: 17
Candidate Starts for Porcelain_118:
(4, 64991), (5, 65000), (15, 65108), (Start: 17 @65153 has 5 MA's), (29, 65273),

Gene: RomansRevenge_69 Start: 47385, Stop: 47200, Start Num: 24
Candidate Starts for RomansRevenge_69:
(24, 47385),

Gene: Schatzie_119 Start: 68356, Stop: 68577, Start Num: 17
Candidate Starts for Schatzie_119:
(4, 68194), (5, 68203), (15, 68311), (Start: 17 @68356 has 5 MA's), (38, 68560),

Gene: Silverleaf_66 Start: 45037, Stop: 45309, Start Num: 16
Candidate Starts for Silverleaf_66:
(Start: 16 @45037 has 1 MA's), (Start: 19 @45058 has 6 MA's), (29, 45163), (37, 45226), (42, 45301),

Gene: Zaria_67 Start: 44988, Stop: 45239, Start Num: 19
Candidate Starts for Zaria_67:
(Start: 19 @44988 has 6 MA's), (29, 45093), (37, 45156), (42, 45231),