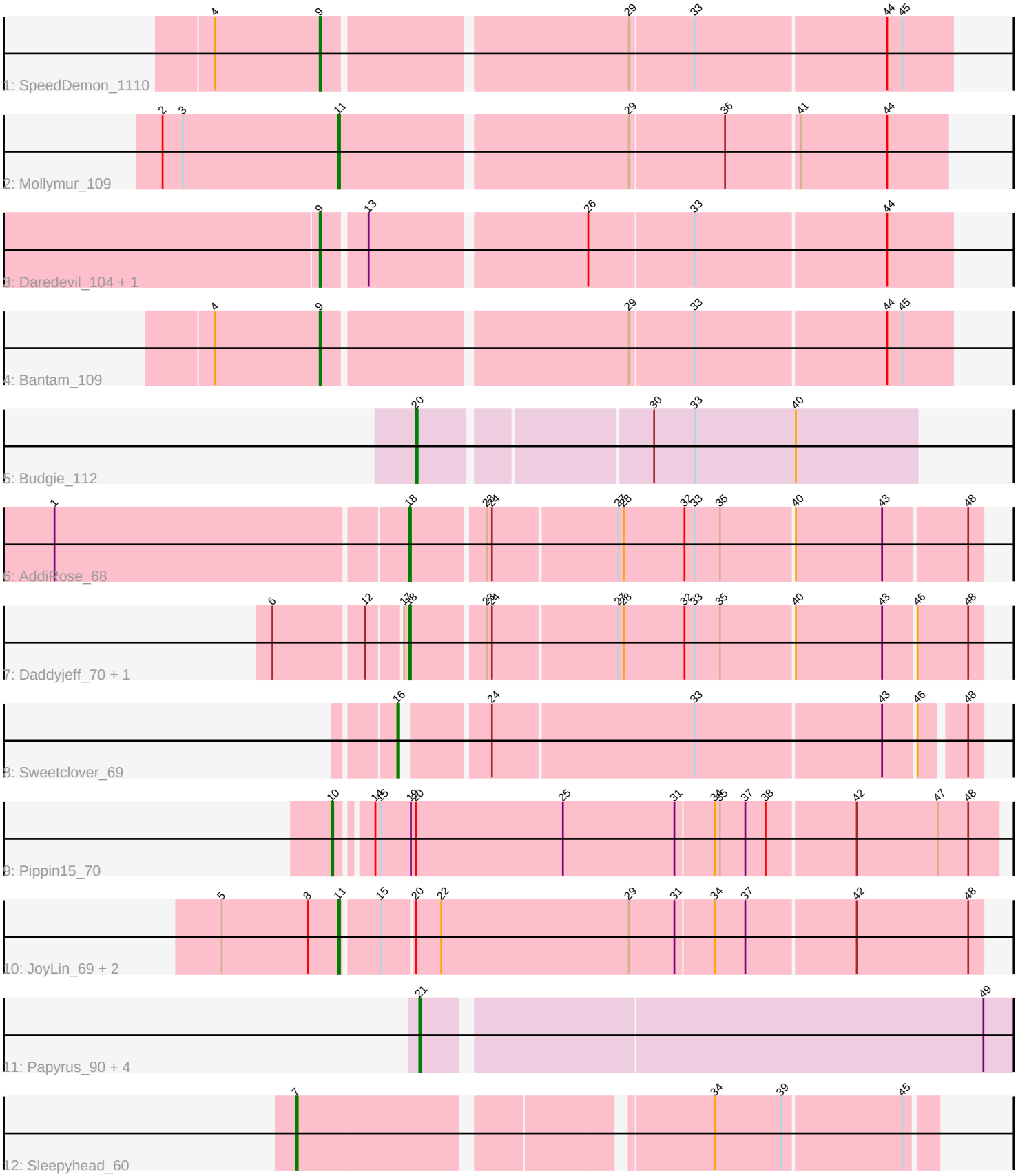
Pham 348064


1: SpeedDemon_1110
2: Mollymur_109
3: Daredevil_104 + 1
4: Bantam_109
5: Budgie_112
6: AddiRose_68
7: Daddyjeff_70 + 1
8: Sweetclover_69
9: Pippin15_70
10: JoyLin_69 + 2
11: Papyrus_90 + 4
12: Sleepyhead_60

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 348064 Report

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

Pham number 348064 has 20 members, 0 are drafts.

Phages represented in each track:
• Track 1 : SpeedDemon_1110
• Track 2 : Mollymur_109
• Track 3 : Daredevil_104, Towmatter_103
• Track 4 : Bantam_109
• Track 5 : Budgie_112
• Track 6 : AddiRose_68
• Track 7 : Daddyjeff_70, Serenabean_69
• Track 8 : Sweetclover_69
• Track 9 : Pippin15_70
• Track 10 : JoyLin_69, Yotsuba_69, Eevee_69
• Track 11 : Papyrus_90, Nilo_93, Riparian_92, Weiss13_90, Zenon_92
• Track 12 : Sleepyhead_60

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

The start number called the most often in the published annotations is 21, it was called in 5 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Nilo_93, Papyrus_90, Riparian_92, Weiss13_90, Zenon_92,

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

Genes that do not have the "Most Annotated" start:
• AddiRose_68, Bantam_109, Budgie_112, Daddyjeff_70, Daredevil_104, Eevee_69, JoyLin_69, Mollymur_109, Pippin15_70, Serenabean_69, Sleepyhead_60, SpeedDemon_1110, Sweetclover_69, Towmatter_103, Yotsuba_69,

Summary by start number:

Start 7:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 20

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sleepyhead_60 (singleton),

Start 9:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 4 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bantam_109 (DL), Daredevil_104 (DL), SpeedDemon_1110 (DL), Towmatter_103 (DL),

Start 10:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pippin15_70 (JA),

Start 11:
• Found in 4 of 20 (20.0%) of genes in pham
• Manual Annotations of this start: 4 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Eevee_69 (JA), JoyLin_69 (JA), Mollymur_109 (DL), Yotsuba_69 (JA),

Start 16:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sweetclover_69 (JA),

Start 18:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 3 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AddiRose_68 (JA), Daddyjeff_70 (JA), Serenabean_69 (JA),

Start 20:
• Found in 5 of 20 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 20
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Budgie_112 (E),

Start 21:
• Found in 5 of 20 (25.0%) of genes in pham
• Manual Annotations of this start: 5 of 20
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Nilo_93 (R), Papyrus_90 (R), Riparian_92 (R), Weiss13_90 (R), Zenon_92 (R),

Summary by clusters:

There are 5 clusters represented in this pham: DL, R, E, JA, singleton,

Info for manual annotations of cluster DL:
•Start number 9 was manually annotated 4 times for cluster DL.
•Start number 11 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster E:
•Start number 20 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster JA:
•Start number 10 was manually annotated 1 time for cluster JA.
•Start number 11 was manually annotated 3 times for cluster JA.
•Start number 16 was manually annotated 1 time for cluster JA.
•Start number 18 was manually annotated 3 times for cluster JA.

Info for manual annotations of cluster R:
•Start number 21 was manually annotated 5 times for cluster R.

Gene Information:

Gene: AddiRose_68 Start: 43648, Stop: 43974, Start Num: 18
Candidate Starts for AddiRose_68:
(1, 43444), (Start: 18 @43648 has 3 MA's), (23, 43690), (24, 43693), (27, 43765), (28, 43768), (32, 43804), (33, 43810), (35, 43825), (40, 43867), (43, 43918), (48, 43966),

Gene: Bantam_109 Start: 70339, Stop: 70695, Start Num: 9
Candidate Starts for Bantam_109:
(4, 70279), (Start: 9 @70339 has 4 MA's), (29, 70510), (33, 70546), (44, 70657), (45, 70666),

Gene: Budgie_112 Start: 62448, Stop: 62732, Start Num: 20
Candidate Starts for Budgie_112:
(Start: 20 @62448 has 1 MA's), (30, 62577), (33, 62601), (40, 62661),

Gene: Daddyjeff_70 Start: 44061, Stop: 44387, Start Num: 18
Candidate Starts for Daddyjeff_70:
(6, 43989), (12, 44040), (17, 44058), (Start: 18 @44061 has 3 MA's), (23, 44103), (24, 44106), (27, 44178), (28, 44181), (32, 44217), (33, 44223), (35, 44238), (40, 44280), (43, 44331), (46, 44349), (48, 44379),

Gene: Daredevil_104 Start: 67182, Stop: 67538, Start Num: 9
Candidate Starts for Daredevil_104:
(Start: 9 @67182 has 4 MA's), (13, 67206), (26, 67329), (33, 67389), (44, 67500),

Gene: Eevee_69 Start: 47508, Stop: 47876, Start Num: 11
Candidate Starts for Eevee_69:
(5, 47439), (8, 47490), (Start: 11 @47508 has 4 MA's), (15, 47529), (Start: 20 @47547 has 1 MA's), (22, 47562), (29, 47673), (31, 47700), (34, 47721), (37, 47739), (42, 47802), (48, 47868),

Gene: JoyLin_69 Start: 47628, Stop: 47996, Start Num: 11
Candidate Starts for JoyLin_69:
(5, 47559), (8, 47610), (Start: 11 @47628 has 4 MA's), (15, 47649), (Start: 20 @47667 has 1 MA's), (22, 47682), (29, 47793), (31, 47820), (34, 47841), (37, 47859), (42, 47922), (48, 47988),

Gene: Mollymur_109 Start: 70923, Stop: 71270, Start Num: 11
Candidate Starts for Mollymur_109:
(2, 70821), (3, 70833), (Start: 11 @70923 has 4 MA's), (29, 71088), (36, 71142), (41, 71184), (44, 71235),

Gene: Nilo_93 Start: 65105, Stop: 65443, Start Num: 21
Candidate Starts for Nilo_93:
(Start: 21 @65105 has 5 MA's), (49, 65426),

Gene: Papyrus_90 Start: 64039, Stop: 64377, Start Num: 21
Candidate Starts for Papyrus_90:
(Start: 21 @64039 has 5 MA's), (49, 64360),

Gene: Pippin15_70 Start: 44587, Stop: 44967, Start Num: 10
Candidate Starts for Pippin15_70:
(Start: 10 @44587 has 1 MA's), (14, 44605), (15, 44608), (19, 44626), (Start: 20 @44629 has 1 MA's), (25, 44716), (31, 44782), (34, 44803), (35, 44806), (37, 44821), (38, 44833), (42, 44884), (47, 44932), (48, 44950),

Gene: Riparian_92 Start: 64551, Stop: 64889, Start Num: 21
Candidate Starts for Riparian_92:
(Start: 21 @64551 has 5 MA's), (49, 64872),

Gene: Serenabean_69 Start: 43953, Stop: 44279, Start Num: 18
Candidate Starts for Serenabean_69:
(6, 43881), (12, 43932), (17, 43950), (Start: 18 @43953 has 3 MA's), (23, 43995), (24, 43998), (27, 44070), (28, 44073), (32, 44109), (33, 44115), (35, 44130), (40, 44172), (43, 44223), (46, 44241), (48, 44271),

Gene: Sleepyhead_60 Start: 39674, Stop: 40021, Start Num: 7
Candidate Starts for Sleepyhead_60:
(Start: 7 @39674 has 1 MA's), (34, 39896), (39, 39935), (45, 40004),

Gene: SpeedDemon_1110 Start: 72859, Stop: 73215, Start Num: 9
Candidate Starts for SpeedDemon_1110:
(4, 72799), (Start: 9 @72859 has 4 MA's), (29, 73030), (33, 73066), (44, 73177), (45, 73186),

Gene: Sweetclover_69 Start: 43166, Stop: 43486, Start Num: 16
Candidate Starts for Sweetclover_69:
(Start: 16 @43166 has 1 MA's), (24, 43211), (33, 43328), (43, 43436), (46, 43454), (48, 43478),

Gene: Towmatter_103 Start: 67264, Stop: 67620, Start Num: 9
Candidate Starts for Towmatter_103:
(Start: 9 @67264 has 4 MA's), (13, 67288), (26, 67411), (33, 67471), (44, 67582),

Gene: Weiss13_90 Start: 64788, Stop: 65126, Start Num: 21
Candidate Starts for Weiss13_90:
(Start: 21 @64788 has 5 MA's), (49, 65109),

Gene: Yotsuba_69 Start: 47646, Stop: 48014, Start Num: 11
Candidate Starts for Yotsuba_69:
(5, 47577), (8, 47628), (Start: 11 @47646 has 4 MA's), (15, 47667), (Start: 20 @47685 has 1 MA's), (22, 47700), (29, 47811), (31, 47838), (34, 47859), (37, 47877), (42, 47940), (48, 48006),

Gene: Zenon_92 Start: 65114, Stop: 65452, Start Num: 21
Candidate Starts for Zenon_92:
(Start: 21 @65114 has 5 MA's), (49, 65435),