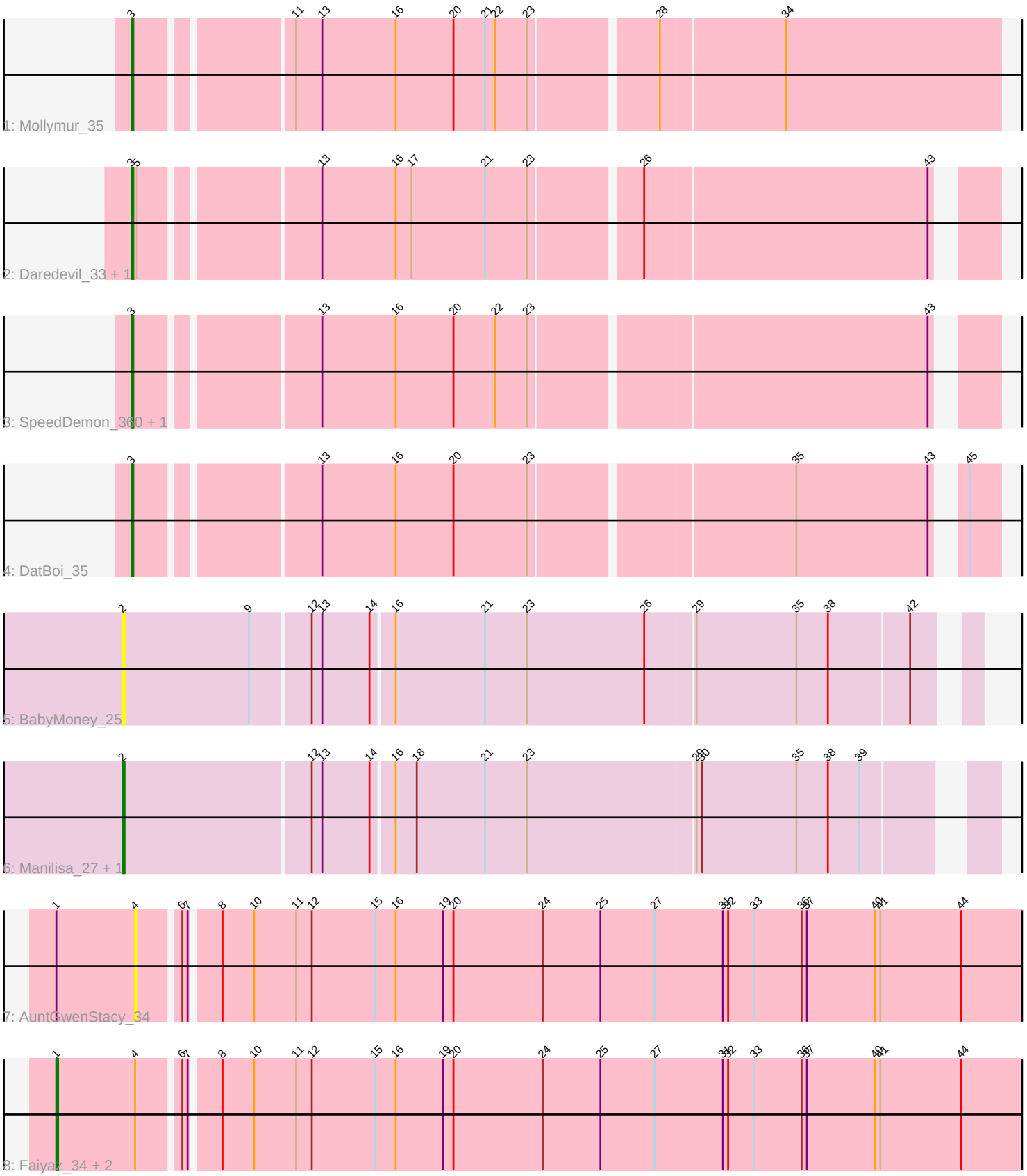
Pham 284332


1: Mollymur_35
2: Daredevil_33 + 1
3: SpeedDemon_360 + 1
4: DatBoi_35
5: BabyMoney_25
6: Manilisa_27 + 1
7: AuntGwenStacy_34
8: Faiyaz_34 + 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 284332 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284332 has 13 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Mollymur_35
• Track 2 : Daredevil_33, Towmatter_32
• Track 3 : SpeedDemon_360, Bantam_34
• Track 4 : DatBoi_35
• Track 5 : BabyMoney_25
• Track 6 : Manilisa_27, Phishy_26
• Track 7 : AuntGwenStacy_34
• Track 8 : Faiyaz_34, Hilltopfarm_34, Typha_34

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bantam_34, Daredevil_33, DatBoi_35, Mollymur_35, SpeedDemon_360, Towmatter_32,

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

Genes that do not have the "Most Annotated" start:
• AuntGwenStacy_34, BabyMoney_25, Faiyaz_34, Hilltopfarm_34, Manilisa_27, Phishy_26, Typha_34,

Summary by start number:

Start 1:
• Found in 4 of 13 (30.8%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Faiyaz_34 (Y), Hilltopfarm_34 (Y), Typha_34 (Y),

Start 2:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BabyMoney_25 (DT), Manilisa_27 (DT), Phishy_26 (DT),

Start 3:
• Found in 6 of 13 (46.2%) of genes in pham
• Manual Annotations of this start: 6 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bantam_34 (DL), Daredevil_33 (DL), DatBoi_35 (DL), Mollymur_35 (DL), SpeedDemon_360 (DL), Towmatter_32 (DL),

Start 4:
• Found in 4 of 13 (30.8%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_34 (Y),

Summary by clusters:

There are 3 clusters represented in this pham: Y, DL, DT,

Info for manual annotations of cluster DL:
•Start number 3 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DT:
•Start number 2 was manually annotated 1 time for cluster DT.

Info for manual annotations of cluster Y:
•Start number 1 was manually annotated 3 times for cluster Y.

Gene Information:

Gene: AuntGwenStacy_34 Start: 30733, Stop: 31254, Start Num: 4
Candidate Starts for AuntGwenStacy_34:
(Start: 1 @30688 has 3 MA's), (4, 30733), (6, 30754), (7, 30757), (8, 30772), (10, 30790), (11, 30814), (12, 30823), (15, 30859), (16, 30871), (19, 30898), (20, 30904), (24, 30955), (25, 30988), (27, 31018), (31, 31057), (32, 31060), (33, 31075), (36, 31102), (37, 31105), (40, 31144), (41, 31147), (44, 31192),

Gene: BabyMoney_25 Start: 21466, Stop: 21930, Start Num: 2
Candidate Starts for BabyMoney_25:
(Start: 2 @21466 has 1 MA's), (9, 21538), (12, 21571), (13, 21577), (14, 21604), (16, 21616), (21, 21667), (23, 21691), (26, 21757), (29, 21784), (35, 21841), (38, 21859), (42, 21904),

Gene: Bantam_34 Start: 30999, Stop: 31454, Start Num: 3
Candidate Starts for Bantam_34:
(Start: 3 @30999 has 6 MA's), (13, 31095), (16, 31137), (20, 31170), (22, 31194), (23, 31212), (43, 31428),

Gene: Daredevil_33 Start: 29513, Stop: 29968, Start Num: 3
Candidate Starts for Daredevil_33:
(Start: 3 @29513 has 6 MA's), (5, 29516), (13, 29609), (16, 29651), (17, 29660), (21, 29702), (23, 29726), (26, 29783), (43, 29942),

Gene: DatBoi_35 Start: 31729, Stop: 32184, Start Num: 3
Candidate Starts for DatBoi_35:
(Start: 3 @31729 has 6 MA's), (13, 31825), (16, 31867), (20, 31900), (23, 31942), (35, 32083), (43, 32158), (45, 32167),

Gene: Faiyaz_34 Start: 30688, Stop: 31254, Start Num: 1
Candidate Starts for Faiyaz_34:
(Start: 1 @30688 has 3 MA's), (4, 30733), (6, 30754), (7, 30757), (8, 30772), (10, 30790), (11, 30814), (12, 30823), (15, 30859), (16, 30871), (19, 30898), (20, 30904), (24, 30955), (25, 30988), (27, 31018), (31, 31057), (32, 31060), (33, 31075), (36, 31102), (37, 31105), (40, 31144), (41, 31147), (44, 31192),

Gene: Hilltopfarm_34 Start: 30718, Stop: 31284, Start Num: 1
Candidate Starts for Hilltopfarm_34:
(Start: 1 @30718 has 3 MA's), (4, 30763), (6, 30784), (7, 30787), (8, 30802), (10, 30820), (11, 30844), (12, 30853), (15, 30889), (16, 30901), (19, 30928), (20, 30934), (24, 30985), (25, 31018), (27, 31048), (31, 31087), (32, 31090), (33, 31105), (36, 31132), (37, 31135), (40, 31174), (41, 31177), (44, 31222),

Gene: Manilisa_27 Start: 22550, Stop: 23020, Start Num: 2
Candidate Starts for Manilisa_27:
(Start: 2 @22550 has 1 MA's), (12, 22655), (13, 22661), (14, 22688), (16, 22700), (18, 22712), (21, 22751), (23, 22775), (29, 22868), (30, 22871), (35, 22925), (38, 22943), (39, 22961),

Gene: Mollymur_35 Start: 32198, Stop: 32668, Start Num: 3
Candidate Starts for Mollymur_35:
(Start: 3 @32198 has 6 MA's), (11, 32279), (13, 32294), (16, 32336), (20, 32369), (21, 32387), (22, 32393), (23, 32411), (28, 32477), (34, 32546),

Gene: Phishy_26 Start: 22279, Stop: 22749, Start Num: 2
Candidate Starts for Phishy_26:
(Start: 2 @22279 has 1 MA's), (12, 22384), (13, 22390), (14, 22417), (16, 22429), (18, 22441), (21, 22480), (23, 22504), (29, 22597), (30, 22600), (35, 22654), (38, 22672), (39, 22690),

Gene: SpeedDemon_360 Start: 32848, Stop: 33303, Start Num: 3
Candidate Starts for SpeedDemon_360:
(Start: 3 @32848 has 6 MA's), (13, 32944), (16, 32986), (20, 33019), (22, 33043), (23, 33061), (43, 33277),

Gene: Towmatter_32 Start: 29350, Stop: 29805, Start Num: 3
Candidate Starts for Towmatter_32:
(Start: 3 @29350 has 6 MA's), (5, 29353), (13, 29446), (16, 29488), (17, 29497), (21, 29539), (23, 29563), (26, 29620), (43, 29779),

Gene: Typha_34 Start: 30688, Stop: 31254, Start Num: 1
Candidate Starts for Typha_34:
(Start: 1 @30688 has 3 MA's), (4, 30733), (6, 30754), (7, 30757), (8, 30772), (10, 30790), (11, 30814), (12, 30823), (15, 30859), (16, 30871), (19, 30898), (20, 30904), (24, 30955), (25, 30988), (27, 31018), (31, 31057), (32, 31060), (33, 31075), (36, 31102), (37, 31105), (40, 31144), (41, 31147), (44, 31192),