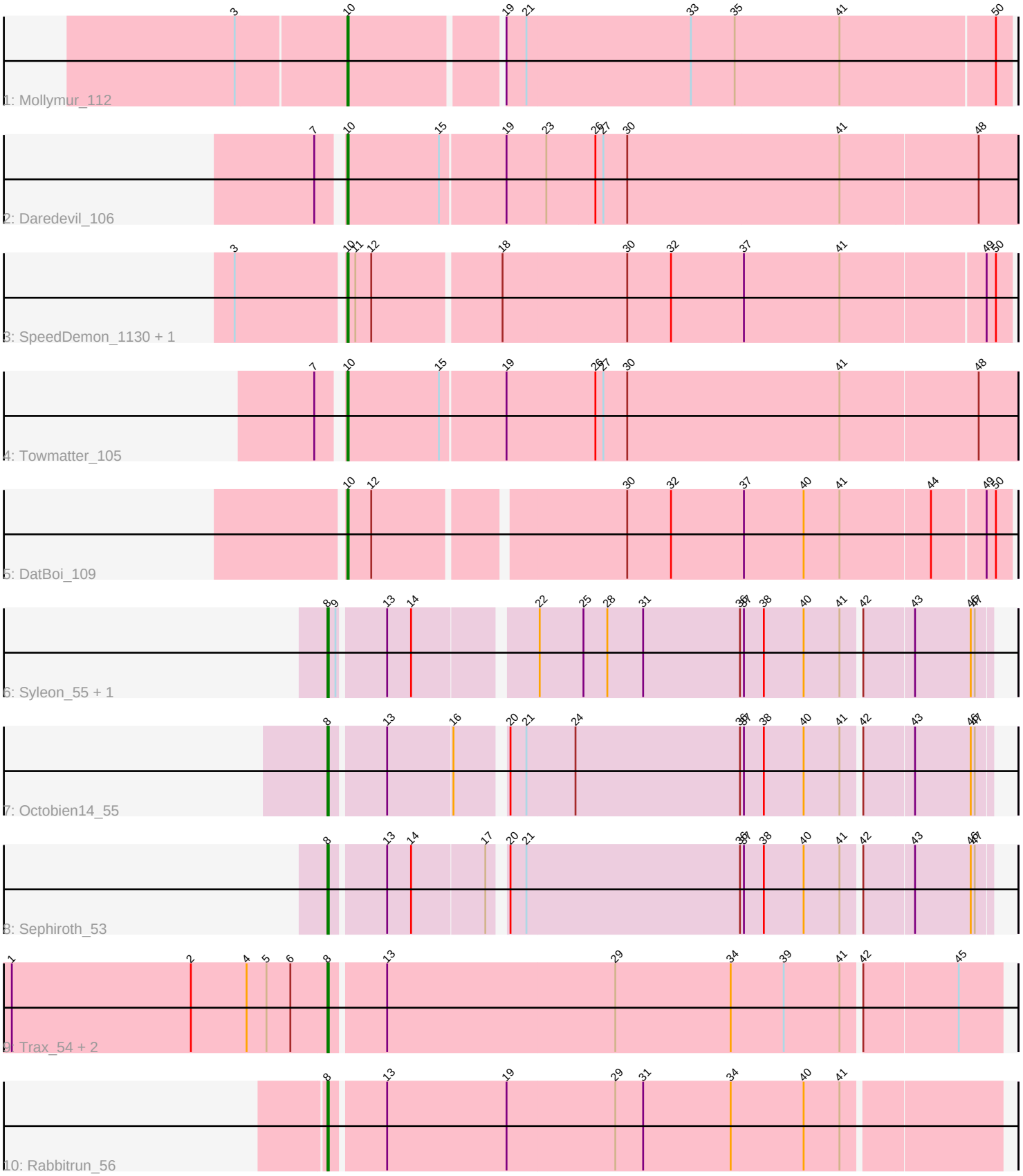
Pham 348162


1: Mollymur_112
2: Daredevil_106
3: SpeedDemon_1130 + 1
4: Towmatter_105
5: DatBoi_109
6: Syleon_55 + 1
7: Octobien14_55
8: Sephiroth_53
9: Trax_54 + 2
10: Rabbitrun_56

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 348162 Report

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

Pham number 348162 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Mollymur_112
• Track 2 : Daredevil_106
• Track 3 : SpeedDemon_1130, Bantam_111
• Track 4 : Towmatter_105
• Track 5 : DatBoi_109
• Track 6 : Syleon_55, Kudefre_54
• Track 7 : Octobien14_55
• Track 8 : Sephiroth_53
• Track 9 : Trax_54, LilJank_54, Neville_55
• Track 10 : Rabbitrun_56

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

The start number called the most often in the published annotations is 8, it was called in 8 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Kudefre_54, LilJank_54, Neville_55, Octobien14_55, Rabbitrun_56, Sephiroth_53, Syleon_55, Trax_54,

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

Genes that do not have the "Most Annotated" start:
• Bantam_111, Daredevil_106, DatBoi_109, Mollymur_112, SpeedDemon_1130, Towmatter_105,

Summary by start number:

Start 8:
• Found in 8 of 14 (57.1%) of genes in pham
• Manual Annotations of this start: 8 of 14
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Kudefre_54 (DU1), LilJank_54 (DU2), Neville_55 (DU2), Octobien14_55 (DU1), Rabbitrun_56 (DU2), Sephiroth_53 (DU1), Syleon_55 (DU1), Trax_54 (DU2),

Start 10:
• Found in 6 of 14 (42.9%) of genes in pham
• Manual Annotations of this start: 6 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bantam_111 (DL), Daredevil_106 (DL), DatBoi_109 (DL), Mollymur_112 (DL), SpeedDemon_1130 (DL), Towmatter_105 (DL),

Summary by clusters:

There are 3 clusters represented in this pham: DU1, DU2, DL,

Info for manual annotations of cluster DL:
•Start number 10 was manually annotated 6 times for cluster DL.

Info for manual annotations of cluster DU1:
•Start number 8 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 8 was manually annotated 4 times for cluster DU2.

Gene Information:

Gene: Bantam_111 Start: 70960, Stop: 71445, Start Num: 10
Candidate Starts for Bantam_111:
(3, 70882), (Start: 10 @70960 has 6 MA's), (11, 70966), (12, 70978), (18, 71071), (30, 71164), (32, 71197), (37, 71251), (41, 71323), (49, 71428), (50, 71434),

Gene: Daredevil_106 Start: 67803, Stop: 68300, Start Num: 10
Candidate Starts for Daredevil_106:
(7, 67788), (Start: 10 @67803 has 6 MA's), (15, 67872), (19, 67920), (23, 67950), (26, 67986), (27, 67992), (30, 68010), (41, 68169), (48, 68271),

Gene: DatBoi_109 Start: 70430, Stop: 70906, Start Num: 10
Candidate Starts for DatBoi_109:
(Start: 10 @70430 has 6 MA's), (12, 70448), (30, 70625), (32, 70658), (37, 70712), (40, 70757), (41, 70784), (44, 70850), (49, 70889), (50, 70895),

Gene: Kudefre_54 Start: 37497, Stop: 37967, Start Num: 8
Candidate Starts for Kudefre_54:
(Start: 8 @37497 has 8 MA's), (9, 37503), (13, 37536), (14, 37554), (22, 37638), (25, 37671), (28, 37689), (31, 37716), (36, 37788), (37, 37791), (38, 37806), (40, 37836), (41, 37863), (42, 37875), (43, 37911), (46, 37953), (47, 37956),

Gene: LilJank_54 Start: 38105, Stop: 38596, Start Num: 8
Candidate Starts for LilJank_54:

(1, 37868), (2, 38003), (4, 38045), (5, 38060), (6, 38078), (Start: 8 @38105 has 8 MA's), (13, 38144), (29, 38315), (34, 38402), (39, 38441), (41, 38483), (42, 38495), (45, 38564),

Gene: Mollymur_112 Start: 71742, Stop: 72224, Start Num: 10
Candidate Starts for Mollymur_112:
(3, 71661), (Start: 10 @71742 has 6 MA's), (19, 71850), (21, 71865), (33, 71988), (35, 72021), (41, 72099), (50, 72213),

Gene: Neville_55 Start: 37767, Stop: 38258, Start Num: 8
Candidate Starts for Neville_55:
(1, 37530), (2, 37665), (4, 37707), (5, 37722), (6, 37740), (Start: 8 @37767 has 8 MA's), (13, 37806), (29, 37977), (34, 38064), (39, 38103), (41, 38145), (42, 38157), (45, 38226),

Gene: Octobien14_55 Start: 38073, Stop: 38543, Start Num: 8
Candidate Starts for Octobien14_55:
(Start: 8 @38073 has 8 MA's), (13, 38112), (16, 38160), (20, 38193), (21, 38205), (24, 38241), (36, 38364), (37, 38367), (38, 38382), (40, 38412), (41, 38439), (42, 38451), (43, 38487), (46, 38529), (47, 38532),

Gene: Rabbitrun_56 Start: 38290, Stop: 38781, Start Num: 8
Candidate Starts for Rabbitrun_56:
(Start: 8 @38290 has 8 MA's), (13, 38329), (19, 38419), (29, 38500), (31, 38521), (34, 38587), (40, 38641), (41, 38668),

Gene: Sephiroth_53 Start: 37666, Stop: 38136, Start Num: 8
Candidate Starts for Sephiroth_53:
(Start: 8 @37666 has 8 MA's), (13, 37705), (14, 37723), (17, 37777), (20, 37786), (21, 37798), (36, 37957), (37, 37960), (38, 37975), (40, 38005), (41, 38032), (42, 38044), (43, 38080), (46, 38122), (47, 38125),

Gene: SpeedDemon_1130 Start: 73480, Stop: 73965, Start Num: 10
Candidate Starts for SpeedDemon_1130:
(3, 73402), (Start: 10 @73480 has 6 MA's), (11, 73486), (12, 73498), (18, 73591), (30, 73684), (32, 73717), (37, 73771), (41, 73843), (49, 73948), (50, 73954),

Gene: Syleon_55 Start: 37590, Stop: 38060, Start Num: 8
Candidate Starts for Syleon_55:
(Start: 8 @37590 has 8 MA's), (9, 37596), (13, 37629), (14, 37647), (22, 37731), (25, 37764), (28, 37782), (31, 37809), (36, 37881), (37, 37884), (38, 37899), (40, 37929), (41, 37956), (42, 37968), (43, 38004), (46, 38046), (47, 38049),

Gene: Towmatter_105 Start: 67885, Stop: 68382, Start Num: 10
Candidate Starts for Towmatter_105:
(7, 67870), (Start: 10 @67885 has 6 MA's), (15, 67954), (19, 68002), (26, 68068), (27, 68074), (30, 68092), (41, 68251), (48, 68353),

Gene: Trax_54 Start: 38052, Stop: 38543, Start Num: 8
Candidate Starts for Trax_54:
(1, 37815), (2, 37950), (4, 37992), (5, 38007), (6, 38025), (Start: 8 @38052 has 8 MA's), (13, 38091), (29, 38262), (34, 38349), (39, 38388), (41, 38430), (42, 38442), (45, 38511),