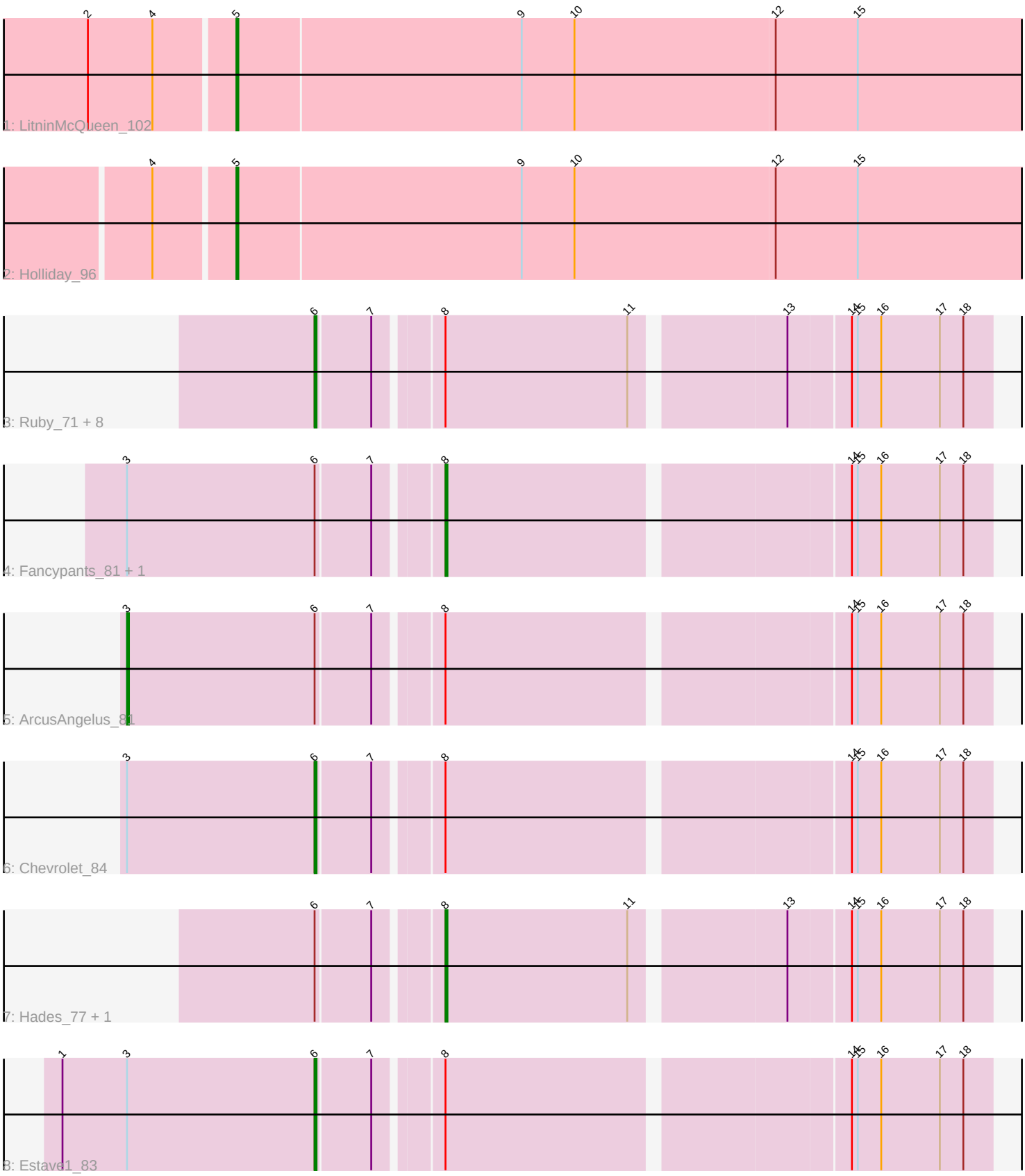
Pham 344455


1: LitninMcQueen_102
2: Holliday_96
3: Ruby_71 + 8
4: Fancypants_81 + 1
5: ArcusAngelus_81
6: Chevrolet_84
7: Hades_77 + 1
8: Estave1_83

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 344455 Report

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

Pham number 344455 has 18 members, 1 are drafts.

Phages represented in each track:
• Track 1 : LitninMcQueen_102
• Track 2 : Holliday_96
• Track 3 : Ruby_71, MulchSalad_83, Brushbloom_80, Ovechkin_79, Girr_73, MisterCuddles_74, ShroomBoi_77, Flathead_76, SilverChicken_86
• Track 4 : Fancypants_81, SimranZ1_77
• Track 5 : ArcusAngelus_81
• Track 6 : Chevrolet_84
• Track 7 : Hades_77, Burwell21_73
• Track 8 : Estave1_83

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

The start number called the most often in the published annotations is 6, it was called in 10 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Brushbloom_80, Chevrolet_84, Estave1_83, Flathead_76, Girr_73, MisterCuddles_74, MulchSalad_83, Ovechkin_79, Ruby_71, ShroomBoi_77, SilverChicken_86,

Genes that have the "Most Annotated" start but do not call it:
• ArcusAngelus_81, Burwell21_73, Fancypants_81, Hades_77, SimranZ1_77,

Genes that do not have the "Most Annotated" start:
• Holliday_96, LitninMcQueen_102,

Summary by start number:

Start 3:
• Found in 5 of 18 (27.8%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 20.0% of time when present
• Phage (with cluster) where this start called: ArcusAngelus_81 (F1),

Start 5:
• Found in 2 of 18 (11.1%) of genes in pham
• Manual Annotations of this start: 2 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Holliday_96 (DN1), LitninMcQueen_102 (DN1),

Start 6:
• Found in 16 of 18 (88.9%) of genes in pham
• Manual Annotations of this start: 10 of 17
• Called 68.8% of time when present
• Phage (with cluster) where this start called: Brushbloom_80 (F1), Chevrolet_84 (F1), Estave1_83 (F1), Flathead_76 (F1), Girr_73 (F1), MisterCuddles_74 (F1), MulchSalad_83 (F7), Ovechkin_79 (F1), Ruby_71 (F1), ShroomBoi_77 (F1), SilverChicken_86 (F2),

Start 8:
• Found in 16 of 18 (88.9%) of genes in pham
• Manual Annotations of this start: 4 of 17
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Burwell21_73 (F1), Fancypants_81 (F1), Hades_77 (F1), SimranZ1_77 (F1),

Summary by clusters:

There are 4 clusters represented in this pham: F1, F2, DN1, F7,

Info for manual annotations of cluster DN1:
•Start number 5 was manually annotated 2 times for cluster DN1.

Info for manual annotations of cluster F1:
•Start number 3 was manually annotated 1 time for cluster F1.
•Start number 6 was manually annotated 9 times for cluster F1.
•Start number 8 was manually annotated 4 times for cluster F1.

Info for manual annotations of cluster F7:
•Start number 6 was manually annotated 1 time for cluster F7.

Gene Information:

Gene: ArcusAngelus_81 Start: 49069, Stop: 49488, Start Num: 3
Candidate Starts for ArcusAngelus_81:
(Start: 3 @49069 has 1 MA's), (Start: 6 @49165 has 10 MA's), (7, 49192), (Start: 8 @49222 has 4 MA's), (14, 49417), (15, 49420), (16, 49432), (17, 49462), (18, 49474),

Gene: Brushbloom_80 Start: 49396, Stop: 49719, Start Num: 6
Candidate Starts for Brushbloom_80:
(Start: 6 @49396 has 10 MA's), (7, 49423), (Start: 8 @49453 has 4 MA's), (11, 49546), (13, 49618), (14, 49648), (15, 49651), (16, 49663), (17, 49693), (18, 49705),

Gene: Burwell21_73 Start: 47545, Stop: 47811, Start Num: 8
Candidate Starts for Burwell21_73:
(Start: 6 @47488 has 10 MA's), (7, 47515), (Start: 8 @47545 has 4 MA's), (11, 47638), (13, 47710), (14, 47740), (15, 47743), (16, 47755), (17, 47785), (18, 47797),

Gene: Chevrolet_84 Start: 49166, Stop: 49489, Start Num: 6
Candidate Starts for Chevrolet_84:
(Start: 3 @49070 has 1 MA's), (Start: 6 @49166 has 10 MA's), (7, 49193), (Start: 8 @49223 has 4 MA's), (14, 49418), (15, 49421), (16, 49433), (17, 49463), (18, 49475),

Gene: Estave1_83 Start: 51160, Stop: 51483, Start Num: 6
Candidate Starts for Estave1_83:
(1, 51031), (Start: 3 @51064 has 1 MA's), (Start: 6 @51160 has 10 MA's), (7, 51187), (Start: 8 @51217 has 4 MA's), (14, 51412), (15, 51415), (16, 51427), (17, 51457), (18, 51469),

Gene: Fancypants_81 Start: 49515, Stop: 49781, Start Num: 8
Candidate Starts for Fancypants_81:
(Start: 3 @49362 has 1 MA's), (Start: 6 @49458 has 10 MA's), (7, 49485), (Start: 8 @49515 has 4 MA's), (14, 49710), (15, 49713), (16, 49725), (17, 49755), (18, 49767),

Gene: Flathead_76 Start: 47266, Stop: 47589, Start Num: 6
Candidate Starts for Flathead_76:
(Start: 6 @47266 has 10 MA's), (7, 47293), (Start: 8 @47323 has 4 MA's), (11, 47416), (13, 47488), (14, 47518), (15, 47521), (16, 47533), (17, 47563), (18, 47575),

Gene: Girr_73 Start: 47736, Stop: 48059, Start Num: 6
Candidate Starts for Girr_73:
(Start: 6 @47736 has 10 MA's), (7, 47763), (Start: 8 @47793 has 4 MA's), (11, 47886), (13, 47958), (14, 47988), (15, 47991), (16, 48003), (17, 48033), (18, 48045),

Gene: Hades_77 Start: 46144, Stop: 46410, Start Num: 8
Candidate Starts for Hades_77:
(Start: 6 @46087 has 10 MA's), (7, 46114), (Start: 8 @46144 has 4 MA's), (11, 46237), (13, 46309), (14, 46339), (15, 46342), (16, 46354), (17, 46384), (18, 46396),

Gene: Holliday_96 Start: 54368, Stop: 54769, Start Num: 5
Candidate Starts for Holliday_96:
(4, 54329), (Start: 5 @54368 has 2 MA's), (9, 54512), (10, 54539), (12, 54641), (15, 54683),

Gene: LitninMcQueen_102 Start: 53580, Stop: 53981, Start Num: 5
Candidate Starts for LitninMcQueen_102:
(2, 53508), (4, 53541), (Start: 5 @53580 has 2 MA's), (9, 53724), (10, 53751), (12, 53853), (15, 53895),

Gene: MisterCuddles_74 Start: 47736, Stop: 48059, Start Num: 6
Candidate Starts for MisterCuddles_74:
(Start: 6 @47736 has 10 MA's), (7, 47763), (Start: 8 @47793 has 4 MA's), (11, 47886), (13, 47958), (14, 47988), (15, 47991), (16, 48003), (17, 48033), (18, 48045),

Gene: MulchSalad_83 Start: 50238, Stop: 50561, Start Num: 6
Candidate Starts for MulchSalad_83:
(Start: 6 @50238 has 10 MA's), (7, 50265), (Start: 8 @50295 has 4 MA's), (11, 50388), (13, 50460), (14, 50490), (15, 50493), (16, 50505), (17, 50535), (18, 50547),

Gene: Ovechkin_79 Start: 48301, Stop: 48624, Start Num: 6
Candidate Starts for Ovechkin_79:
(Start: 6 @48301 has 10 MA's), (7, 48328), (Start: 8 @48358 has 4 MA's), (11, 48451), (13, 48523), (14, 48553), (15, 48556), (16, 48568), (17, 48598), (18, 48610),

Gene: Ruby_71 Start: 47737, Stop: 48060, Start Num: 6
Candidate Starts for Ruby_71:
(Start: 6 @47737 has 10 MA's), (7, 47764), (Start: 8 @47794 has 4 MA's), (11, 47887), (13, 47959), (14, 47989), (15, 47992), (16, 48004), (17, 48034), (18, 48046),

Gene: ShroomBoi_77 Start: 47879, Stop: 48202, Start Num: 6
Candidate Starts for ShroomBoi_77:
(Start: 6 @47879 has 10 MA's), (7, 47906), (Start: 8 @47936 has 4 MA's), (11, 48029), (13, 48101), (14, 48131), (15, 48134), (16, 48146), (17, 48176), (18, 48188),

Gene: SilverChicken_86 Start: 47815, Stop: 48138, Start Num: 6
Candidate Starts for SilverChicken_86:
(Start: 6 @47815 has 10 MA's), (7, 47842), (Start: 8 @47872 has 4 MA's), (11, 47965), (13, 48037), (14, 48067), (15, 48070), (16, 48082), (17, 48112), (18, 48124),

Gene: SimranZ1_77 Start: 47116, Stop: 47382, Start Num: 8
Candidate Starts for SimranZ1_77:
(Start: 3 @46963 has 1 MA's), (Start: 6 @47059 has 10 MA's), (7, 47086), (Start: 8 @47116 has 4 MA's), (14, 47311), (15, 47314), (16, 47326), (17, 47356), (18, 47368),