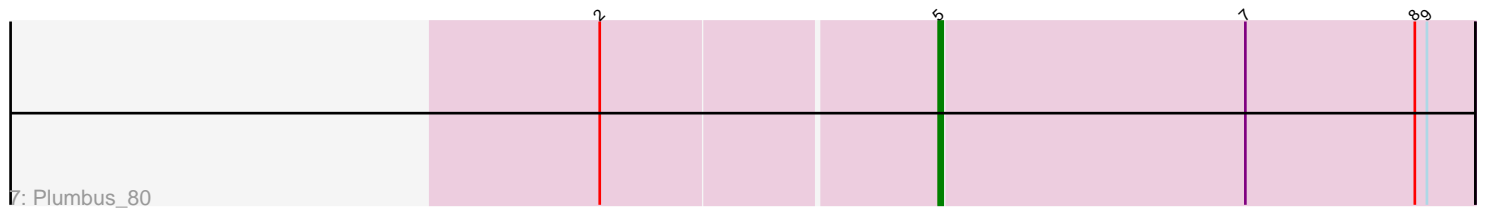
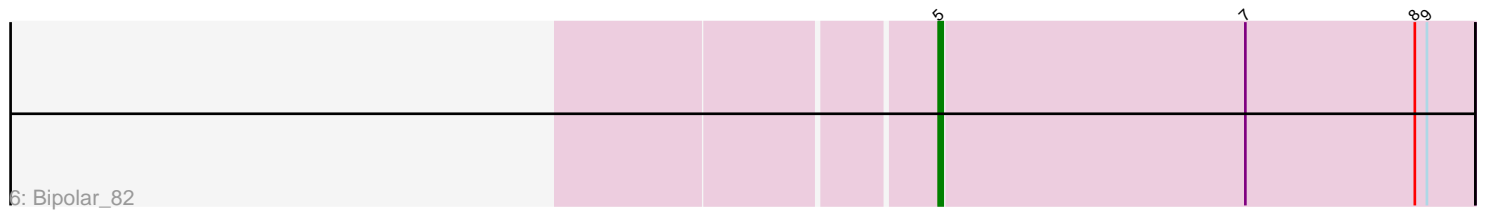
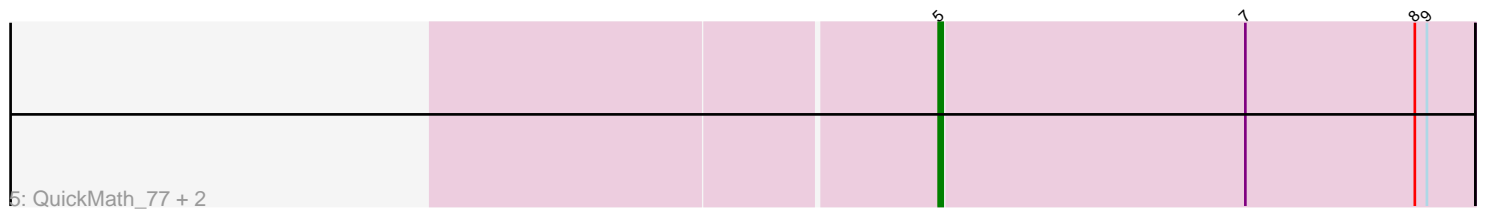
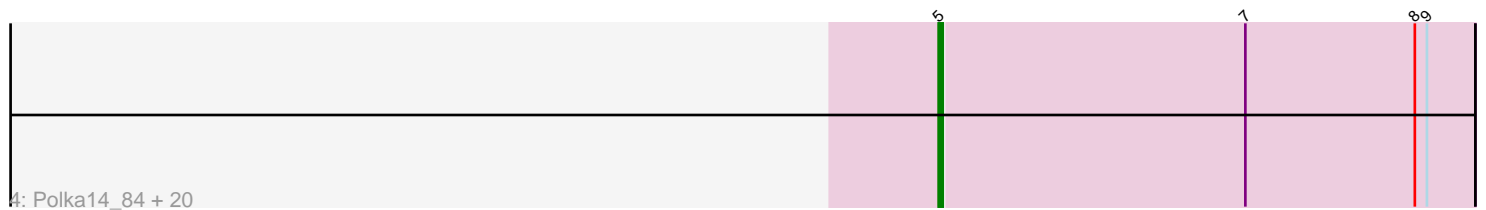
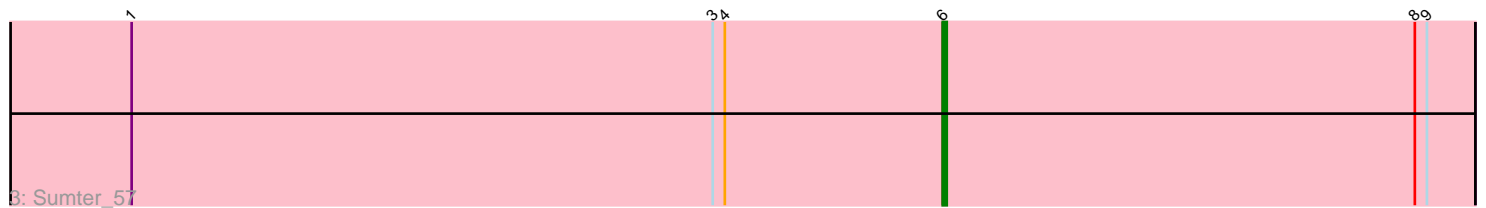
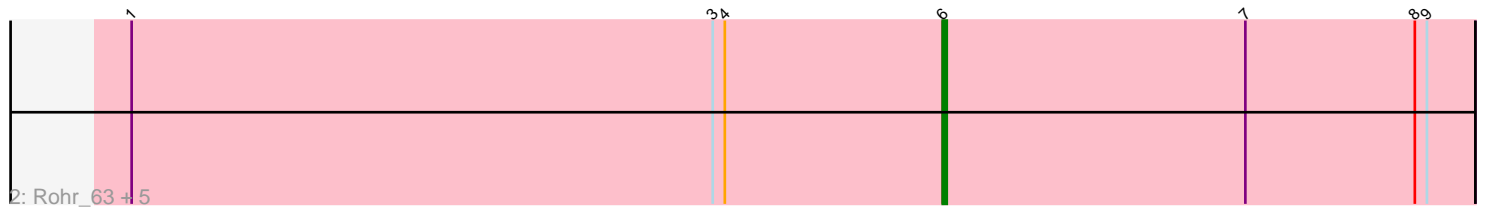
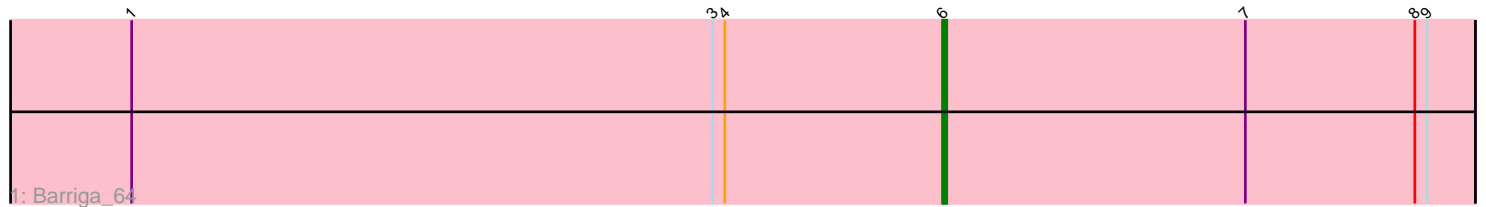


Pham 86110



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 86110 Report

This analysis was run 04/28/24 on database version 559.

Pham number 86110 has 34 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Barriga_64
- Track 2 : Rohr_63, Petp2012_64, Burton_62, Museum_63, Bob3_62, Jerm2_63
- Track 3 : Sumter_57
- Track 4 : Polka14_84, BodEinwohner17_85, Doomphist_83, PHappiness_80, Stap_73, OldBen_77, DaddyRickover_83, Spoonbill_76, Geralt_73, JoeyJr_80, Deb65_73, Melissauren88_72, Scottish_78, Nimbo_72, RitaG_80, Leperchaun_78, Poenanya_83, Daenerys_79, Byougenkin_77, Empress_78, KingMidas_79
- Track 5 : QuickMath_77, Kimberlium_78, Juice456_75
- Track 6 : Bipolar_82
- Track 7 : Plumbus_80

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

The start number called the most often in the published annotations is 5, it was called in 24 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bipolar_82, BodEinwohner17_85, Byougenkin_77, DaddyRickover_83, Daenerys_79, Deb65_73, Doomphist_83, Empress_78, Geralt_73, JoeyJr_80, Juice456_75, Kimberlium_78, KingMidas_79, Leperchaun_78, Melissauren88_72, Nimbo_72, OldBen_77, PHappiness_80, Plumbus_80, Poenanya_83, Polka14_84, QuickMath_77, RitaG_80, Scottish_78, Spoonbill_76, Stap_73,

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

-

Genes that do not have the "Most Annotated" start:

- Barriga_64, Bob3_62, Burton_62, Jerm2_63, Museum_63, Petp2012_64, Rohr_63, Sumter_57,

Summary by start number:

Start 5:

- Found in 26 of 34 (76.5%) of genes in pham

- Manual Annotations of this start: 24 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bipolar_82 (F1), BodEinwohner17_85 (F1), Byougenkin_77 (F1), DaddyRickover_83 (F1), Daenerys_79 (F1), Deb65_73 (F1), Doomphist_83 (F1), Empress_78 (F1), Geralt_73 (F1), JoeyJr_80 (F1), Juice456_75 (F1), Kimberlium_78 (F1), KingMidas_79 (F1), Leperchaun_78 (F1), Melissauren88_72 (F1), Nimbo_72 (F1), OldBen_77 (F1), PHappiness_80 (F1), Plumbus_80 (F1), Poenanya_83 (F1), Polka14_84 (F1), QuickMath_77 (F1), RitaG_80 (F1), Scottish_78 (F1), Spoonbill_76 (F1), Stap_73 (F1),

Start 6:

- Found in 8 of 34 (23.5%) of genes in pham
- Manual Annotations of this start: 8 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barriga_64 (A1), Bob3_62 (A1), Burton_62 (A1), Jerm2_63 (A1), Museum_63 (A1), Petp2012_64 (A1), Rohr_63 (A1), Sumter_57 (A1),

Summary by clusters:

There are 2 clusters represented in this pham: A1, F1,

Info for manual annotations of cluster A1:

- Start number 6 was manually annotated 8 times for cluster A1.

Info for manual annotations of cluster F1:

- Start number 5 was manually annotated 24 times for cluster F1.

Gene Information:

Gene: Barriga_64 Start: 39957, Stop: 39826, Start Num: 6

Candidate Starts for Barriga_64:

(1, 40158), (3, 40014), (4, 40011), (Start: 6 @39957 has 8 MA's), (7, 39882), (8, 39840), (9, 39837),

Gene: Bipolar_82 Start: 50248, Stop: 50379, Start Num: 5

Candidate Starts for Bipolar_82:

(Start: 5 @50248 has 24 MA's), (7, 50323), (8, 50365), (9, 50368),

Gene: Bob3_62 Start: 40781, Stop: 40650, Start Num: 6

Candidate Starts for Bob3_62:

(1, 40982), (3, 40838), (4, 40835), (Start: 6 @40781 has 8 MA's), (7, 40706), (8, 40664), (9, 40661),

Gene: BodEinwohner17_85 Start: 50707, Stop: 50838, Start Num: 5

Candidate Starts for BodEinwohner17_85:

(Start: 5 @50707 has 24 MA's), (7, 50782), (8, 50824), (9, 50827),

Gene: Burton_62 Start: 42571, Stop: 42440, Start Num: 6

Candidate Starts for Burton_62:

(1, 42772), (3, 42628), (4, 42625), (Start: 6 @42571 has 8 MA's), (7, 42496), (8, 42454), (9, 42451),

Gene: Byougenkin_77 Start: 45927, Stop: 46058, Start Num: 5

Candidate Starts for Byougenkin_77:

(Start: 5 @45927 has 24 MA's), (7, 46002), (8, 46044), (9, 46047),

Gene: DaddyRickover_83 Start: 49997, Stop: 50128, Start Num: 5

Candidate Starts for DaddyRickover_83:

(Start: 5 @49997 has 24 MA's), (7, 50072), (8, 50114), (9, 50117),

Gene: Daenerys_79 Start: 49773, Stop: 49904, Start Num: 5

Candidate Starts for Daenerys_79:

(Start: 5 @49773 has 24 MA's), (7, 49848), (8, 49890), (9, 49893),

Gene: Deb65_73 Start: 47495, Stop: 47626, Start Num: 5

Candidate Starts for Deb65_73:

(Start: 5 @47495 has 24 MA's), (7, 47570), (8, 47612), (9, 47615),

Gene: Doomphist_83 Start: 49406, Stop: 49537, Start Num: 5

Candidate Starts for Doomphist_83:

(Start: 5 @49406 has 24 MA's), (7, 49481), (8, 49523), (9, 49526),

Gene: Empress_78 Start: 48217, Stop: 48348, Start Num: 5

Candidate Starts for Empress_78:

(Start: 5 @48217 has 24 MA's), (7, 48292), (8, 48334), (9, 48337),

Gene: Geralt_73 Start: 47493, Stop: 47624, Start Num: 5

Candidate Starts for Geralt_73:

(Start: 5 @47493 has 24 MA's), (7, 47568), (8, 47610), (9, 47613),

Gene: Jerm2_63 Start: 42273, Stop: 42142, Start Num: 6

Candidate Starts for Jerm2_63:

(1, 42474), (3, 42330), (4, 42327), (Start: 6 @42273 has 8 MA's), (7, 42198), (8, 42156), (9, 42153),

Gene: JoeyJr_80 Start: 49398, Stop: 49529, Start Num: 5

Candidate Starts for JoeyJr_80:

(Start: 5 @49398 has 24 MA's), (7, 49473), (8, 49515), (9, 49518),

Gene: Juice456_75 Start: 47143, Stop: 47274, Start Num: 5

Candidate Starts for Juice456_75:

(Start: 5 @47143 has 24 MA's), (7, 47218), (8, 47260), (9, 47263),

Gene: Kimberlium_78 Start: 47272, Stop: 47403, Start Num: 5

Candidate Starts for Kimberlium_78:

(Start: 5 @47272 has 24 MA's), (7, 47347), (8, 47389), (9, 47392),

Gene: KingMidas_79 Start: 48632, Stop: 48763, Start Num: 5

Candidate Starts for KingMidas_79:

(Start: 5 @48632 has 24 MA's), (7, 48707), (8, 48749), (9, 48752),

Gene: Leperchaun_78 Start: 48632, Stop: 48763, Start Num: 5

Candidate Starts for Leperchaun_78:

(Start: 5 @48632 has 24 MA's), (7, 48707), (8, 48749), (9, 48752),

Gene: Melissauren88_72 Start: 45550, Stop: 45681, Start Num: 5

Candidate Starts for Melissauren88_72:

(Start: 5 @45550 has 24 MA's), (7, 45625), (8, 45667), (9, 45670),

Gene: Museum_63 Start: 42489, Stop: 42358, Start Num: 6

Candidate Starts for Museum_63:

(1, 42690), (3, 42546), (4, 42543), (Start: 6 @42489 has 8 MA's), (7, 42414), (8, 42372), (9, 42369),

Gene: Nimbo_72 Start: 47496, Stop: 47627, Start Num: 5

Candidate Starts for Nimbo_72:

(Start: 5 @47496 has 24 MA's), (7, 47571), (8, 47613), (9, 47616),

Gene: OldBen_77 Start: 48888, Stop: 49019, Start Num: 5

Candidate Starts for OldBen_77:

(Start: 5 @48888 has 24 MA's), (7, 48963), (8, 49005), (9, 49008),

Gene: PHappiness_80 Start: 49717, Stop: 49848, Start Num: 5

Candidate Starts for PHappiness_80:

(Start: 5 @49717 has 24 MA's), (7, 49792), (8, 49834), (9, 49837),

Gene: Petp2012_64 Start: 42973, Stop: 42842, Start Num: 6

Candidate Starts for Petp2012_64:

(1, 43174), (3, 43030), (4, 43027), (Start: 6 @42973 has 8 MA's), (7, 42898), (8, 42856), (9, 42853),

Gene: Plumbus_80 Start: 45870, Stop: 46001, Start Num: 5

Candidate Starts for Plumbus_80:

(2, 45789), (Start: 5 @45870 has 24 MA's), (7, 45945), (8, 45987), (9, 45990),

Gene: Poenanya_83 Start: 49406, Stop: 49537, Start Num: 5

Candidate Starts for Poenanya_83:

(Start: 5 @49406 has 24 MA's), (7, 49481), (8, 49523), (9, 49526),

Gene: Polka14_84 Start: 50196, Stop: 50327, Start Num: 5

Candidate Starts for Polka14_84:

(Start: 5 @50196 has 24 MA's), (7, 50271), (8, 50313), (9, 50316),

Gene: QuickMath_77 Start: 47495, Stop: 47626, Start Num: 5

Candidate Starts for QuickMath_77:

(Start: 5 @47495 has 24 MA's), (7, 47570), (8, 47612), (9, 47615),

Gene: RitaG_80 Start: 49519, Stop: 49650, Start Num: 5

Candidate Starts for RitaG_80:

(Start: 5 @49519 has 24 MA's), (7, 49594), (8, 49636), (9, 49639),

Gene: Rohr_63 Start: 42319, Stop: 42188, Start Num: 6

Candidate Starts for Rohr_63:

(1, 42520), (3, 42376), (4, 42373), (Start: 6 @42319 has 8 MA's), (7, 42244), (8, 42202), (9, 42199),

Gene: Scottish_78 Start: 47887, Stop: 48018, Start Num: 5

Candidate Starts for Scottish_78:

(Start: 5 @47887 has 24 MA's), (7, 47962), (8, 48004), (9, 48007),

Gene: Spoonbill_76 Start: 46516, Stop: 46647, Start Num: 5

Candidate Starts for Spoonbill_76:

(Start: 5 @46516 has 24 MA's), (7, 46591), (8, 46633), (9, 46636),

Gene: Stap_73 Start: 45553, Stop: 45684, Start Num: 5

Candidate Starts for Stap_73:

(Start: 5 @45553 has 24 MA's), (7, 45628), (8, 45670), (9, 45673),

Gene: Sumter_57 Start: 41015, Stop: 40884, Start Num: 6

Candidate Starts for Sumter_57:

(1, 41216), (3, 41072), (4, 41069), (Start: 6 @41015 has 8 MA's), (8, 40898), (9, 40895),