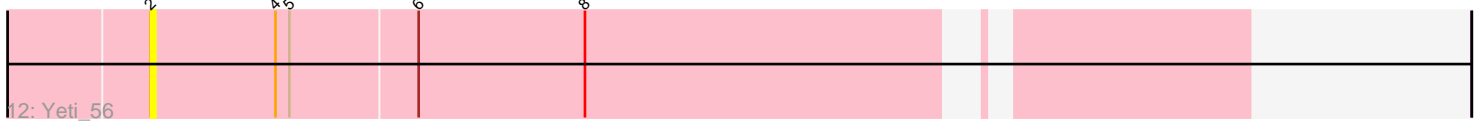
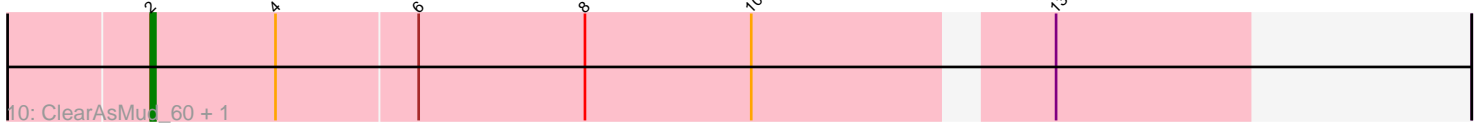
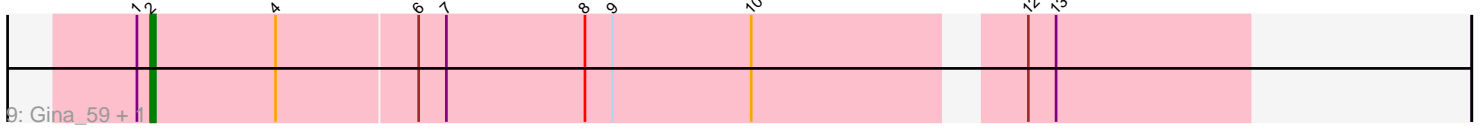
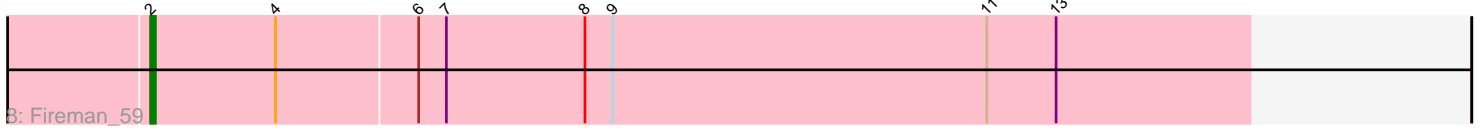
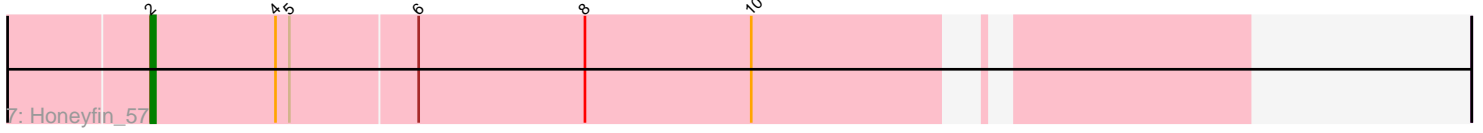
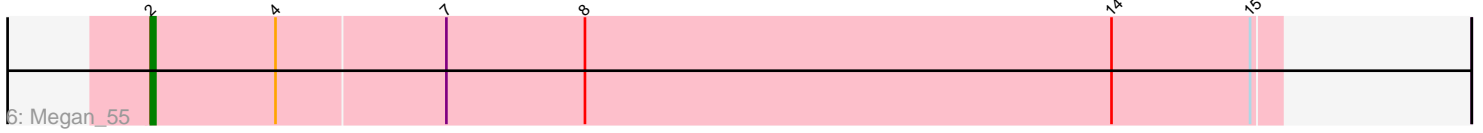
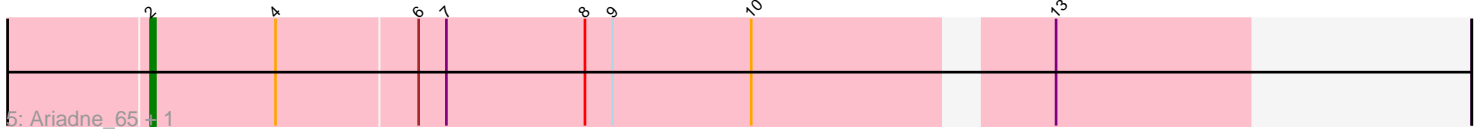
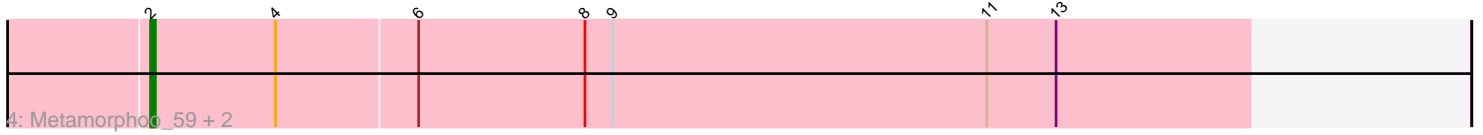
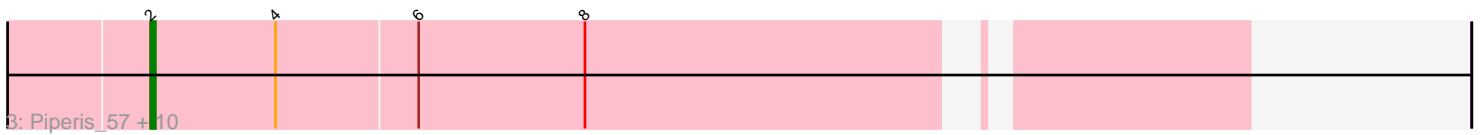
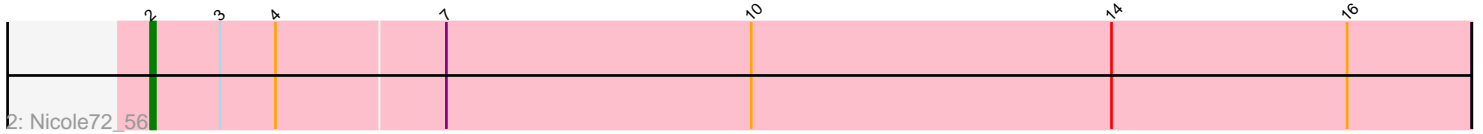
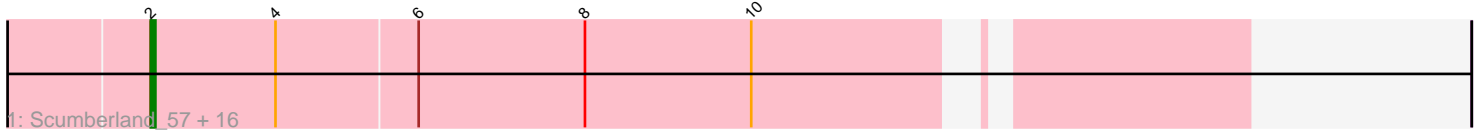


Pham 161924



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 161924 Report

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

Pham number 161924 has 43 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Scumberland_57, Crisis_57, Selwyn23_57, Onika_55, CrazyRich_55, Ramiel05_55, LittleFortune_58, Antares_56, Cranjis_57, BrazzalePHS_55, KaiHaiDragon_57, Hermeonysus_55, Quhwah_60, EarickHC_57, Paschalis_56, Kowalski_55, Savannah_55
- Track 2 : Nicole72_56
- Track 3 : Piperis_57, Jollipop_56, Phrancesco_56, Pulchra_58, PiperSansNom_57, Shotgun_56, Busephilis_55, Jefe_56, Phorgeous_56, PierreOrion_56, Ganandorf_55
- Track 4 : Metamorphoo_59, Tyrumbra_56, RobsFeet_60
- Track 5 : Ariadne_65, Smarties_65
- Track 6 : Megan_55
- Track 7 : Honeyfin_57
- Track 8 : Fireman_59
- Track 9 : Gina_59, Teamocil_59
- Track 10 : ClearAsMud_60, NoodlelyBoi_57
- Track 11 : Jayden_58
- Track 12 : Yeti_56

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

The start number called the most often in the published annotations is 2, it was called in 39 of the 39 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antares_56, Ariadne_65, BrazzalePHS_55, Busephilis_55, ClearAsMud_60, Cranjis_57, CrazyRich_55, Crisis_57, EarickHC_57, Fireman_59, Ganandorf_55, Gina_59, Hermeonysus_55, Honeyfin_57, Jayden_58, Jefe_56, Jollipop_56, KaiHaiDragon_57, Kowalski_55, LittleFortune_58, Megan_55, Metamorphoo_59, Nicole72_56, NoodlelyBoi_57, Onika_55, Paschalis_56, Phorgeous_56, Phrancesco_56, PierreOrion_56, PiperSansNom_57, Piperis_57, Pulchra_58, Quhwah_60, Ramiel05_55, RobsFeet_60, Savannah_55, Scumberland_57, Selwyn23_57, Shotgun_56, Smarties_65, Teamocil_59, Tyrumbra_56, Yeti_56,

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

-

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

-

Summary by start number:

Start 2:

- Found in 43 of 43 (100.0%) of genes in pham
- Manual Annotations of this start: 39 of 39
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Antares_56 (EC), Ariadne_65 (EC), BrazzalePHS_55 (EC), Busephilis_55 (EC), ClearAsMud_60 (EC), Cranjjs_57 (EC), CrazyRich_55 (EC), Crisis_57 (EC), EarickHC_57 (EC), Fireman_59 (EC), Ganandorf_55 (EC), Gina_59 (EC), Hermeonysus_55 (EC), Honeyfin_57 (EC), Jayden_58 (EC), Jefe_56 (EC), Jollipop_56 (EC), KaiHaiDragon_57 (EC), Kowalski_55 (EC), LittleFortune_58 (EC), Megan_55 (EC), Metamorphoo_59 (EC), Nicole72_56 (EC), NoodlelyBoi_57 (EC), Onika_55 (EC), Paschalis_56 (EC), Phorgeous_56 (EC), Phrancesco_56 (EC), PierreOrion_56 (EC), PiperSansNom_57 (EC), Piperis_57 (EC), Pulchra_58 (EC), Quhwah_60 (EC), Ramiel05_55 (EC), RobsFeet_60 (EC), Savannah_55 (EC), Scumberland_57 (EC), Selwyn23_57 (EC), Shotgun_56 (EC), Smarties_65 (EC), Teamocil_59 (EC), Tyrumbra_56 (EC), Yeti_56 (EC),

Summary by clusters:

There is one cluster represented in this pham: EC

Info for manual annotations of cluster EC:

- Start number 2 was manually annotated 39 times for cluster EC.

Gene Information:

Gene: Antares_56 Start: 36999, Stop: 37220, Start Num: 2

Candidate Starts for Antares_56:

(Start: 2 @36999 has 39 MA's), (4, 37026), (6, 37056), (8, 37092), (10, 37128),

Gene: Ariadne_65 Start: 38582, Stop: 38809, Start Num: 2

Candidate Starts for Ariadne_65:

(Start: 2 @38582 has 39 MA's), (4, 38609), (6, 38639), (7, 38645), (8, 38675), (9, 38681), (10, 38711), (13, 38768),

Gene: BrazzalePHS_55 Start: 36795, Stop: 37016, Start Num: 2

Candidate Starts for BrazzalePHS_55:

(Start: 2 @36795 has 39 MA's), (4, 36822), (6, 36852), (8, 36888), (10, 36924),

Gene: Busephilis_55 Start: 36705, Stop: 36926, Start Num: 2

Candidate Starts for Busephilis_55:

(Start: 2 @36705 has 39 MA's), (4, 36732), (6, 36762), (8, 36798),

Gene: ClearAsMud_60 Start: 37257, Stop: 37484, Start Num: 2

Candidate Starts for ClearAsMud_60:

(Start: 2 @37257 has 39 MA's), (4, 37284), (6, 37314), (8, 37350), (10, 37386), (13, 37443),

Gene: Cranjis_57 Start: 36954, Stop: 37175, Start Num: 2

Candidate Starts for Cranjis_57:

(Start: 2 @36954 has 39 MA's), (4, 36981), (6, 37011), (8, 37047), (10, 37083),

Gene: CrazyRich_55 Start: 36763, Stop: 36984, Start Num: 2

Candidate Starts for CrazyRich_55:

(Start: 2 @36763 has 39 MA's), (4, 36790), (6, 36820), (8, 36856), (10, 36892),

Gene: Crisis_57 Start: 36754, Stop: 36975, Start Num: 2

Candidate Starts for Crisis_57:

(Start: 2 @36754 has 39 MA's), (4, 36781), (6, 36811), (8, 36847), (10, 36883),

Gene: EarickHC_57 Start: 36677, Stop: 36898, Start Num: 2

Candidate Starts for EarickHC_57:

(Start: 2 @36677 has 39 MA's), (4, 36704), (6, 36734), (8, 36770), (10, 36806),

Gene: Fireman_59 Start: 38649, Stop: 38885, Start Num: 2

Candidate Starts for Fireman_59:

(Start: 2 @38649 has 39 MA's), (4, 38676), (6, 38706), (7, 38712), (8, 38742), (9, 38748), (11, 38829), (13, 38844),

Gene: Ganandorf_55 Start: 36787, Stop: 37008, Start Num: 2

Candidate Starts for Ganandorf_55:

(Start: 2 @36787 has 39 MA's), (4, 36814), (6, 36844), (8, 36880),

Gene: Gina_59 Start: 36758, Stop: 36985, Start Num: 2

Candidate Starts for Gina_59:

(1, 36755), (Start: 2 @36758 has 39 MA's), (4, 36785), (6, 36815), (7, 36821), (8, 36851), (9, 36857), (10, 36887), (12, 36938), (13, 36944),

Gene: Hermeonysus_55 Start: 36683, Stop: 36904, Start Num: 2

Candidate Starts for Hermeonysus_55:

(Start: 2 @36683 has 39 MA's), (4, 36710), (6, 36740), (8, 36776), (10, 36812),

Gene: Honeyfin_57 Start: 36975, Stop: 37196, Start Num: 2

Candidate Starts for Honeyfin_57:

(Start: 2 @36975 has 39 MA's), (4, 37002), (5, 37005), (6, 37032), (8, 37068), (10, 37104),

Gene: Jayden_58 Start: 37432, Stop: 37668, Start Num: 2

Candidate Starts for Jayden_58:

(Start: 2 @37432 has 39 MA's), (4, 37459), (6, 37489), (8, 37525), (10, 37561), (11, 37612), (13, 37627),

Gene: Jefe_56 Start: 36741, Stop: 36962, Start Num: 2

Candidate Starts for Jefe_56:

(Start: 2 @36741 has 39 MA's), (4, 36768), (6, 36798), (8, 36834),

Gene: Jollipop_56 Start: 37156, Stop: 37377, Start Num: 2

Candidate Starts for Jollipop_56:

(Start: 2 @37156 has 39 MA's), (4, 37183), (6, 37213), (8, 37249),

Gene: KaiHaiDragon_57 Start: 36677, Stop: 36898, Start Num: 2
Candidate Starts for KaiHaiDragon_57:
(Start: 2 @36677 has 39 MA's), (4, 36704), (6, 36734), (8, 36770), (10, 36806),

Gene: Kowalski_55 Start: 36790, Stop: 37011, Start Num: 2
Candidate Starts for Kowalski_55:
(Start: 2 @36790 has 39 MA's), (4, 36817), (6, 36847), (8, 36883), (10, 36919),

Gene: LittleFortune_58 Start: 37046, Stop: 37267, Start Num: 2
Candidate Starts for LittleFortune_58:
(Start: 2 @37046 has 39 MA's), (4, 37073), (6, 37103), (8, 37139), (10, 37175),

Gene: Megan_55 Start: 41408, Stop: 41650, Start Num: 2
Candidate Starts for Megan_55:
(Start: 2 @41408 has 39 MA's), (4, 41435), (7, 41471), (8, 41501), (14, 41615), (15, 41645),

Gene: Metamorphoo_59 Start: 37943, Stop: 38179, Start Num: 2
Candidate Starts for Metamorphoo_59:
(Start: 2 @37943 has 39 MA's), (4, 37970), (6, 38000), (8, 38036), (9, 38042), (11, 38123), (13, 38138),

Gene: Nicole72_56 Start: 41913, Stop: 42197, Start Num: 2
Candidate Starts for Nicole72_56:
(Start: 2 @41913 has 39 MA's), (3, 41928), (4, 41940), (7, 41976), (10, 42042), (14, 42120), (16, 42171),

Gene: NoodlelyBoi_57 Start: 37548, Stop: 37775, Start Num: 2
Candidate Starts for NoodlelyBoi_57:
(Start: 2 @37548 has 39 MA's), (4, 37575), (6, 37605), (8, 37641), (10, 37677), (13, 37734),

Gene: Onika_55 Start: 36765, Stop: 36986, Start Num: 2
Candidate Starts for Onika_55:
(Start: 2 @36765 has 39 MA's), (4, 36792), (6, 36822), (8, 36858), (10, 36894),

Gene: Paschalis_56 Start: 36772, Stop: 36993, Start Num: 2
Candidate Starts for Paschalis_56:
(Start: 2 @36772 has 39 MA's), (4, 36799), (6, 36829), (8, 36865), (10, 36901),

Gene: Phorgeous_56 Start: 36606, Stop: 36827, Start Num: 2
Candidate Starts for Phorgeous_56:
(Start: 2 @36606 has 39 MA's), (4, 36633), (6, 36663), (8, 36699),

Gene: Phrancesco_56 Start: 36895, Stop: 37116, Start Num: 2
Candidate Starts for Phrancesco_56:
(Start: 2 @36895 has 39 MA's), (4, 36922), (6, 36952), (8, 36988),

Gene: PierreOrion_56 Start: 37015, Stop: 37236, Start Num: 2
Candidate Starts for PierreOrion_56:
(Start: 2 @37015 has 39 MA's), (4, 37042), (6, 37072), (8, 37108),

Gene: PiperSansNom_57 Start: 37079, Stop: 37300, Start Num: 2
Candidate Starts for PiperSansNom_57:
(Start: 2 @37079 has 39 MA's), (4, 37106), (6, 37136), (8, 37172),

Gene: Piperis_57 Start: 36729, Stop: 36950, Start Num: 2
Candidate Starts for Piperis_57:
(Start: 2 @36729 has 39 MA's), (4, 36756), (6, 36786), (8, 36822),

Gene: Pulchra_58 Start: 37126, Stop: 37347, Start Num: 2
Candidate Starts for Pulchra_58:
(Start: 2 @37126 has 39 MA's), (4, 37153), (6, 37183), (8, 37219),

Gene: Quhwah_60 Start: 37387, Stop: 37608, Start Num: 2
Candidate Starts for Quhwah_60:
(Start: 2 @37387 has 39 MA's), (4, 37414), (6, 37444), (8, 37480), (10, 37516),

Gene: Ramiel05_55 Start: 36790, Stop: 37011, Start Num: 2
Candidate Starts for Ramiel05_55:
(Start: 2 @36790 has 39 MA's), (4, 36817), (6, 36847), (8, 36883), (10, 36919),

Gene: RobsFeet_60 Start: 38210, Stop: 38446, Start Num: 2
Candidate Starts for RobsFeet_60:
(Start: 2 @38210 has 39 MA's), (4, 38237), (6, 38267), (8, 38303), (9, 38309), (11, 38390), (13, 38405),

Gene: Savannah_55 Start: 36817, Stop: 37038, Start Num: 2
Candidate Starts for Savannah_55:
(Start: 2 @36817 has 39 MA's), (4, 36844), (6, 36874), (8, 36910), (10, 36946),

Gene: Scumberland_57 Start: 37012, Stop: 37233, Start Num: 2
Candidate Starts for Scumberland_57:
(Start: 2 @37012 has 39 MA's), (4, 37039), (6, 37069), (8, 37105), (10, 37141),

Gene: Selwyn23_57 Start: 36960, Stop: 37181, Start Num: 2
Candidate Starts for Selwyn23_57:
(Start: 2 @36960 has 39 MA's), (4, 36987), (6, 37017), (8, 37053), (10, 37089),

Gene: Shotgun_56 Start: 36693, Stop: 36914, Start Num: 2
Candidate Starts for Shotgun_56:
(Start: 2 @36693 has 39 MA's), (4, 36720), (6, 36750), (8, 36786),

Gene: Smarties_65 Start: 38582, Stop: 38809, Start Num: 2
Candidate Starts for Smarties_65:
(Start: 2 @38582 has 39 MA's), (4, 38609), (6, 38639), (7, 38645), (8, 38675), (9, 38681), (10, 38711), (13, 38768),

Gene: Teamocil_59 Start: 36857, Stop: 37084, Start Num: 2
Candidate Starts for Teamocil_59:
(1, 36854), (Start: 2 @36857 has 39 MA's), (4, 36884), (6, 36914), (7, 36920), (8, 36950), (9, 36956), (10, 36986), (12, 37037), (13, 37043),

Gene: Tyrumbra_56 Start: 38069, Stop: 38305, Start Num: 2
Candidate Starts for Tyrumbra_56:
(Start: 2 @38069 has 39 MA's), (4, 38096), (6, 38126), (8, 38162), (9, 38168), (11, 38249), (13, 38264),

Gene: Yeti_56 Start: 36762, Stop: 36983, Start Num: 2

Candidate Starts for Yeti_56:

(Start: 2 @36762 has 39 MA's), (4, 36789), (5, 36792), (6, 36819), (8, 36855),