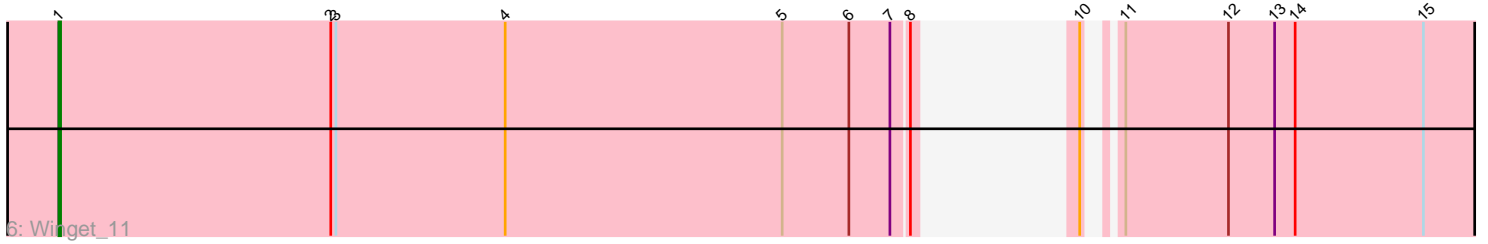
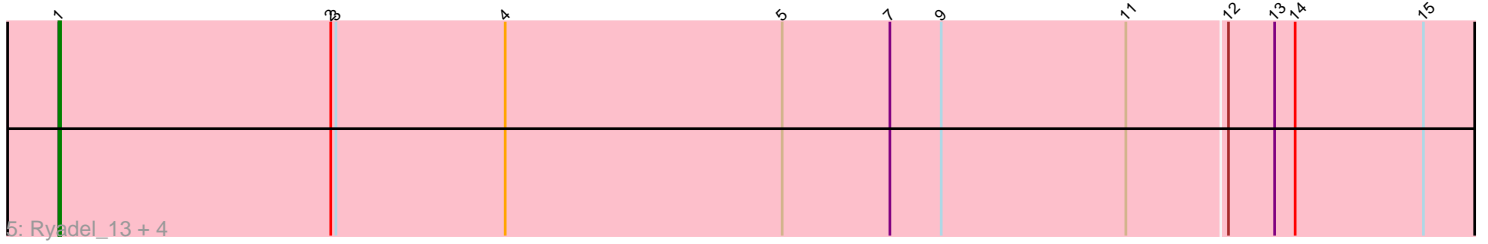
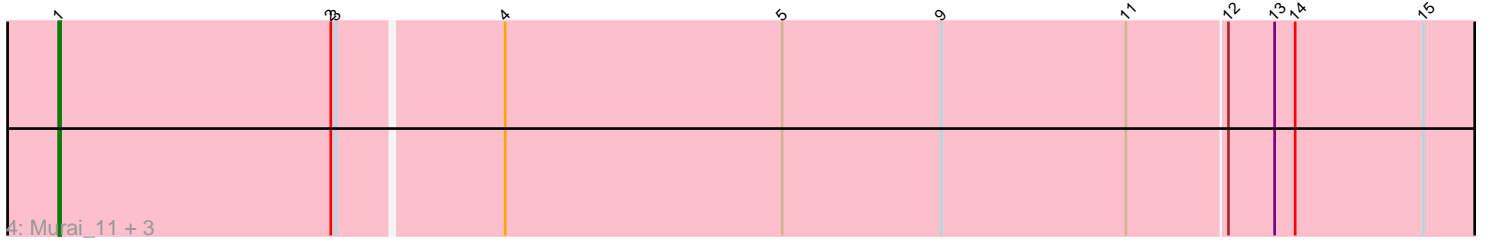
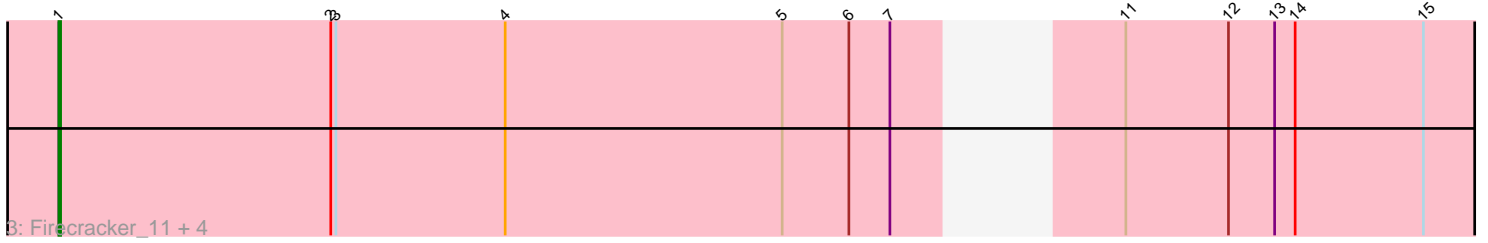
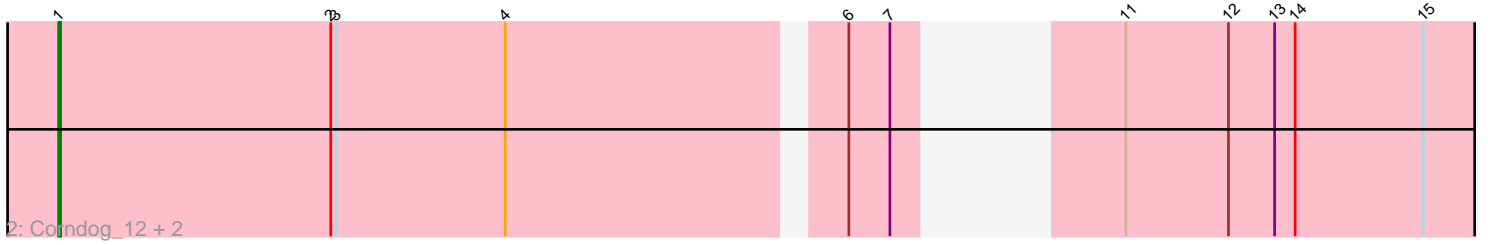
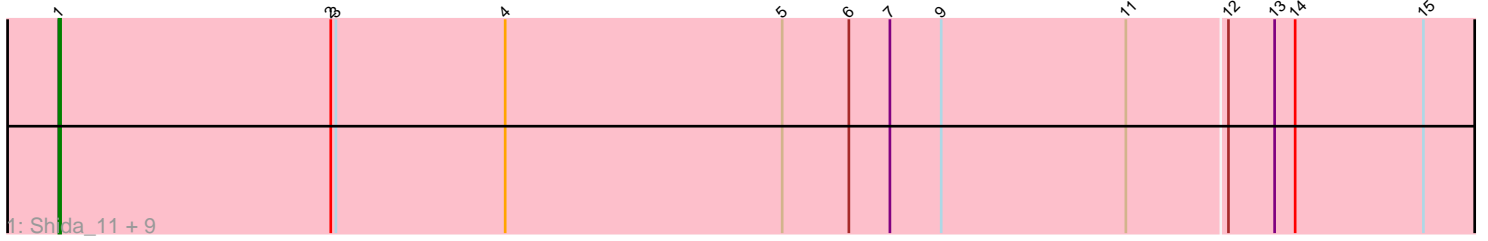


Pham 3549



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 3549 Report

This analysis was run 07/09/24 on database version 566.

Pham number 3549 has 28 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Shida_11, Bora_11, Catdawg_10, Blessica_10, Familton_11, JangDynasty_10, TelAviv_10, FoulBall_10, Idergollasper_10, SchoolBus_10
- Track 2 : Corndog_12, YungJamal_12, Smooch_12
- Track 3 : Firecracker_11, Wildflower_11, Ashwin_12, Zakhe101_12, Dylan_11
- Track 4 : Murai_11, Vorrps_11, Mori_11, Alkhayr_11
- Track 5 : Ryadel_13, Krili_11, Schuy_11, MadKillah_11, NiebruSaylor_11
- Track 6 : Winget_11

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

The start number called the most often in the published annotations is 1, it was called in 26 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alkhayr_11, Ashwin_12, Blessica_10, Bora_11, Catdawg_10, Corndog_12, Dylan_11, Familton_11, Firecracker_11, FoulBall_10, Idergollasper_10, JangDynasty_10, Krili_11, MadKillah_11, Mori_11, Murai_11, NiebruSaylor_11, Ryadel_13, SchoolBus_10, Schuy_11, Shida_11, Smooch_12, TelAviv_10, Vorrps_11, Wildflower_11, Winget_11, YungJamal_12, Zakhe101_12,

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 1:

- Found in 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 26 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alkhayr_11 (O), Ashwin_12 (O), Blessica_10 (O), Bora_11 (O), Catdawg_10 (O), Corndog_12 (O), Dylan_11 (O),

Familton_11 (O), Firecracker_11 (O), FoulBall_10 (O), Idergollasper_10 (O), JangDynasty_10 (O), Krili_11 (O), MadKillah_11 (O), Mori_11 (O), Murai_11 (O), NiebruSaylor_11 (O), Ryadel_13 (O), SchoolBus_10 (O), Schuy_11 (O), Shida_11 (O), Smooch_12 (O), TelAviv_10 (O), Vorrrps_11 (O), Wildflower_11 (O), Winget_11 (O), YungJamal_12 (O), Zakhe101_12 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:

•Start number 1 was manually annotated 26 times for cluster O.

Gene Information:

Gene: Alkhayr_11 Start: 4306, Stop: 3485, Start Num: 1

Candidate Starts for Alkhayr_11:

(Start: 1 @4306 has 26 MA's), (2, 4147), (3, 4144), (4, 4051), (5, 3889), (9, 3796), (11, 3688), (12, 3631), (13, 3604), (14, 3592), (15, 3517),

Gene: Ashwin_12 Start: 4530, Stop: 3808, Start Num: 1

Candidate Starts for Ashwin_12:

(Start: 1 @4530 has 26 MA's), (2, 4371), (3, 4368), (4, 4269), (5, 4107), (6, 4068), (7, 4044), (11, 4014), (12, 3954), (13, 3927), (14, 3915), (15, 3840),

Gene: Blessica_10 Start: 3927, Stop: 3097, Start Num: 1

Candidate Starts for Blessica_10:

(Start: 1 @3927 has 26 MA's), (2, 3768), (3, 3765), (4, 3666), (5, 3504), (6, 3465), (7, 3441), (9, 3411), (11, 3303), (12, 3243), (13, 3216), (14, 3204), (15, 3129),

Gene: Bora_11 Start: 4328, Stop: 3498, Start Num: 1

Candidate Starts for Bora_11:

(Start: 1 @4328 has 26 MA's), (2, 4169), (3, 4166), (4, 4067), (5, 3905), (6, 3866), (7, 3842), (9, 3812), (11, 3704), (12, 3644), (13, 3617), (14, 3605), (15, 3530),

Gene: Catdawg_10 Start: 3977, Stop: 3147, Start Num: 1

Candidate Starts for Catdawg_10:

(Start: 1 @3977 has 26 MA's), (2, 3818), (3, 3815), (4, 3716), (5, 3554), (6, 3515), (7, 3491), (9, 3461), (11, 3353), (12, 3293), (13, 3266), (14, 3254), (15, 3179),

Gene: Corndog_12 Start: 4524, Stop: 3790, Start Num: 1

Candidate Starts for Corndog_12:

(Start: 1 @4524 has 26 MA's), (2, 4365), (3, 4362), (4, 4263), (6, 4080), (7, 4056), (11, 3996), (12, 3936), (13, 3909), (14, 3897), (15, 3822),

Gene: Dylan_11 Start: 4530, Stop: 3808, Start Num: 1

Candidate Starts for Dylan_11:

(Start: 1 @4530 has 26 MA's), (2, 4371), (3, 4368), (4, 4269), (5, 4107), (6, 4068), (7, 4044), (11, 4014), (12, 3954), (13, 3927), (14, 3915), (15, 3840),

Gene: Familton_11 Start: 3978, Stop: 3148, Start Num: 1

Candidate Starts for Familton_11:

(Start: 1 @3978 has 26 MA's), (2, 3819), (3, 3816), (4, 3717), (5, 3555), (6, 3516), (7, 3492), (9, 3462), (11, 3354), (12, 3294), (13, 3267), (14, 3255), (15, 3180),

Gene: Firecracker_11 Start: 4263, Stop: 3499, Start Num: 1

Candidate Starts for Firecracker_11:

(Start: 1 @4263 has 26 MA's), (2, 4104), (3, 4101), (4, 4002), (5, 3840), (6, 3801), (7, 3777), (11, 3705), (12, 3645), (13, 3618), (14, 3606), (15, 3531),

Gene: FoulBall_10 Start: 3978, Stop: 3148, Start Num: 1

Candidate Starts for FoulBall_10:

(Start: 1 @3978 has 26 MA's), (2, 3819), (3, 3816), (4, 3717), (5, 3555), (6, 3516), (7, 3492), (9, 3462), (11, 3354), (12, 3294), (13, 3267), (14, 3255), (15, 3180),

Gene: Idergollasper_10 Start: 3978, Stop: 3148, Start Num: 1

Candidate Starts for Idergollasper_10:

(Start: 1 @3978 has 26 MA's), (2, 3819), (3, 3816), (4, 3717), (5, 3555), (6, 3516), (7, 3492), (9, 3462), (11, 3354), (12, 3294), (13, 3267), (14, 3255), (15, 3180),

Gene: JangDynasty_10 Start: 4067, Stop: 3237, Start Num: 1

Candidate Starts for JangDynasty_10:

(Start: 1 @4067 has 26 MA's), (2, 3908), (3, 3905), (4, 3806), (5, 3644), (6, 3605), (7, 3581), (9, 3551), (11, 3443), (12, 3383), (13, 3356), (14, 3344), (15, 3269),

Gene: Krili_11 Start: 4152, Stop: 3331, Start Num: 1

Candidate Starts for Krili_11:

(Start: 1 @4152 has 26 MA's), (2, 3993), (3, 3990), (4, 3897), (5, 3735), (7, 3672), (9, 3642), (11, 3534), (12, 3477), (13, 3450), (14, 3438), (15, 3363),

Gene: MadKillah_11 Start: 4173, Stop: 3346, Start Num: 1

Candidate Starts for MadKillah_11:

(Start: 1 @4173 has 26 MA's), (2, 4014), (3, 4011), (4, 3912), (5, 3750), (7, 3687), (9, 3657), (11, 3549), (12, 3492), (13, 3465), (14, 3453), (15, 3378),

Gene: Mori_11 Start: 4167, Stop: 3346, Start Num: 1

Candidate Starts for Mori_11:

(Start: 1 @4167 has 26 MA's), (2, 4008), (3, 4005), (4, 3912), (5, 3750), (9, 3657), (11, 3549), (12, 3492), (13, 3465), (14, 3453), (15, 3378),

Gene: Murai_11 Start: 4167, Stop: 3346, Start Num: 1

Candidate Starts for Murai_11:

(Start: 1 @4167 has 26 MA's), (2, 4008), (3, 4005), (4, 3912), (5, 3750), (9, 3657), (11, 3549), (12, 3492), (13, 3465), (14, 3453), (15, 3378),

Gene: NiebruSaylor_11 Start: 4167, Stop: 3346, Start Num: 1

Candidate Starts for NiebruSaylor_11:

(Start: 1 @4167 has 26 MA's), (2, 4008), (3, 4005), (4, 3912), (5, 3750), (7, 3687), (9, 3657), (11, 3549), (12, 3492), (13, 3465), (14, 3453), (15, 3378),

Gene: Ryadel_13 Start: 4750, Stop: 3923, Start Num: 1

Candidate Starts for Ryadel_13:

(Start: 1 @4750 has 26 MA's), (2, 4591), (3, 4588), (4, 4489), (5, 4327), (7, 4264), (9, 4234), (11, 4126), (12, 4069), (13, 4042), (14, 4030), (15, 3955),

Gene: SchoolBus_10 Start: 3978, Stop: 3148, Start Num: 1

Candidate Starts for SchoolBus_10:

(Start: 1 @3978 has 26 MA's), (2, 3819), (3, 3816), (4, 3717), (5, 3555), (6, 3516), (7, 3492), (9, 3462), (11, 3354), (12, 3294), (13, 3267), (14, 3255), (15, 3180),

Gene: Schuy_11 Start: 4173, Stop: 3346, Start Num: 1

Candidate Starts for Schuy_11:

(Start: 1 @4173 has 26 MA's), (2, 4014), (3, 4011), (4, 3912), (5, 3750), (7, 3687), (9, 3657), (11, 3549), (12, 3492), (13, 3465), (14, 3453), (15, 3378),

Gene: Shida_11 Start: 4222, Stop: 3395, Start Num: 1

Candidate Starts for Shida_11:

(Start: 1 @4222 has 26 MA's), (2, 4063), (3, 4060), (4, 3961), (5, 3799), (6, 3760), (7, 3736), (9, 3706), (11, 3598), (12, 3541), (13, 3514), (14, 3502), (15, 3427),

Gene: Smooch_12 Start: 4486, Stop: 3752, Start Num: 1

Candidate Starts for Smooch_12:

(Start: 1 @4486 has 26 MA's), (2, 4327), (3, 4324), (4, 4225), (6, 4042), (7, 4018), (11, 3958), (12, 3898), (13, 3871), (14, 3859), (15, 3784),

Gene: TelAviv_10 Start: 3975, Stop: 3145, Start Num: 1

Candidate Starts for TelAviv_10:

(Start: 1 @3975 has 26 MA's), (2, 3816), (3, 3813), (4, 3714), (5, 3552), (6, 3513), (7, 3489), (9, 3459), (11, 3351), (12, 3291), (13, 3264), (14, 3252), (15, 3177),

Gene: Vorrps_11 Start: 4167, Stop: 3346, Start Num: 1

Candidate Starts for Vorrps_11:

(Start: 1 @4167 has 26 MA's), (2, 4008), (3, 4005), (4, 3912), (5, 3750), (9, 3657), (11, 3549), (12, 3492), (13, 3465), (14, 3453), (15, 3378),

Gene: Wildflower_11 Start: 4182, Stop: 3460, Start Num: 1

Candidate Starts for Wildflower_11:

(Start: 1 @4182 has 26 MA's), (2, 4023), (3, 4020), (4, 3921), (5, 3759), (6, 3720), (7, 3696), (11, 3666), (12, 3606), (13, 3579), (14, 3567), (15, 3492),

Gene: Winget_11 Start: 4221, Stop: 3499, Start Num: 1

Candidate Starts for Winget_11:

(Start: 1 @4221 has 26 MA's), (2, 4062), (3, 4059), (4, 3960), (5, 3798), (6, 3759), (7, 3735), (8, 3726), (10, 3714), (11, 3705), (12, 3645), (13, 3618), (14, 3606), (15, 3531),

Gene: YungJamal_12 Start: 4522, Stop: 3788, Start Num: 1

Candidate Starts for YungJamal_12:

(Start: 1 @4522 has 26 MA's), (2, 4363), (3, 4360), (4, 4261), (6, 4078), (7, 4054), (11, 3994), (12, 3934), (13, 3907), (14, 3895), (15, 3820),

Gene: Zakhe101_12 Start: 4534, Stop: 3812, Start Num: 1

Candidate Starts for Zakhe101_12:

(Start: 1 @4534 has 26 MA's), (2, 4375), (3, 4372), (4, 4273), (5, 4111), (6, 4072), (7, 4048), (11, 4018), (12, 3958), (13, 3931), (14, 3919), (15, 3844),