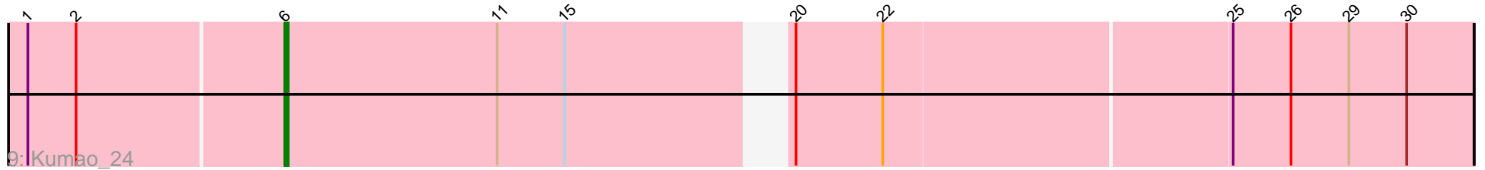
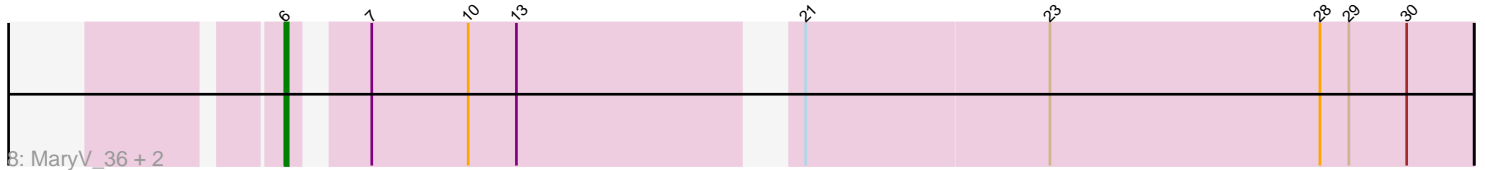
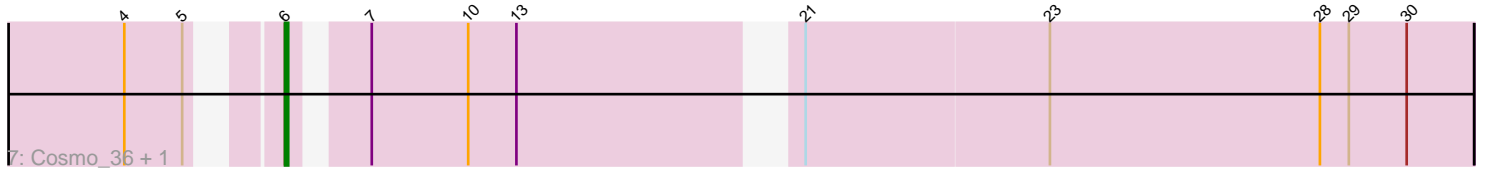
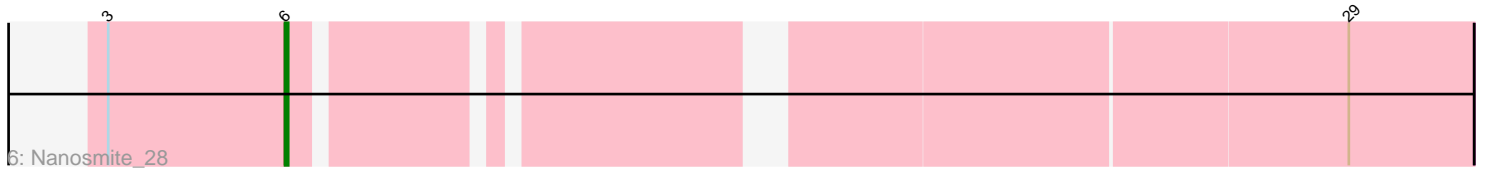
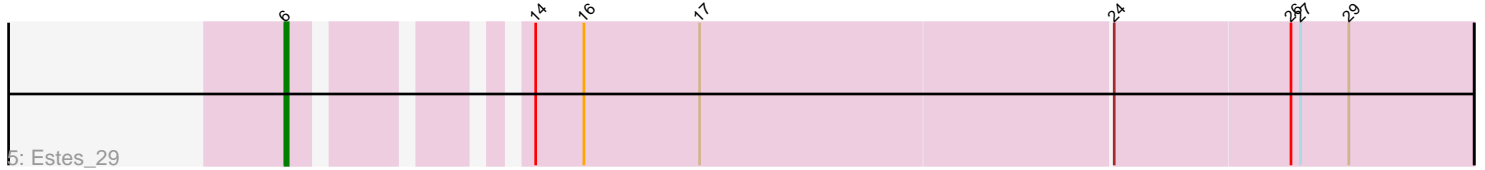
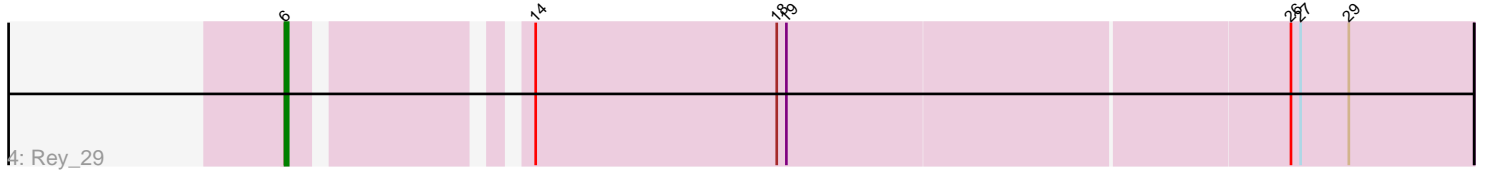
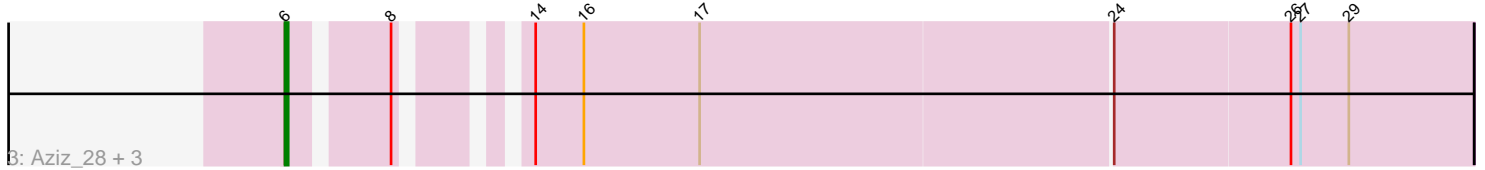
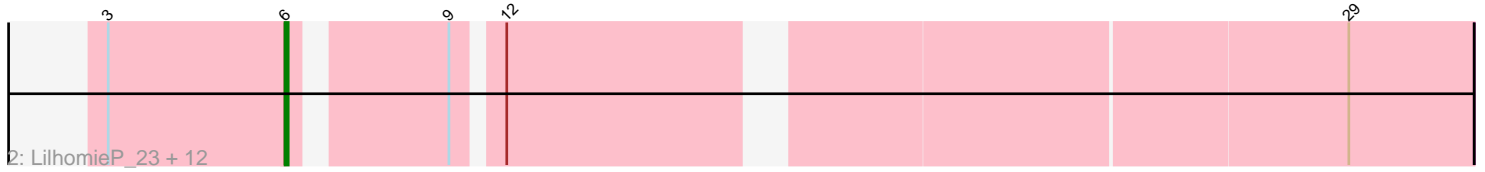
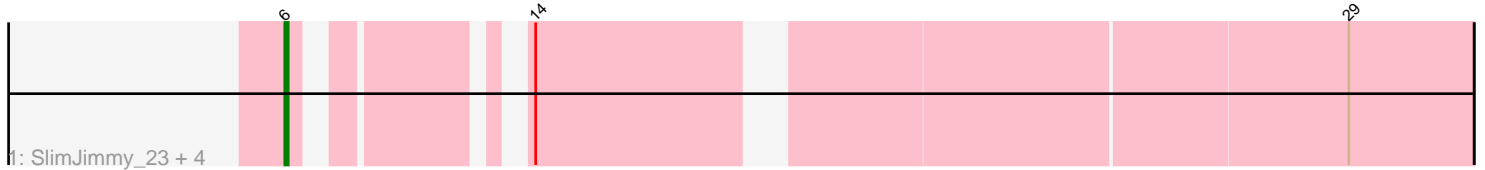


Pham 300260



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 300260 Report

This analysis was run 06/08/26 on database version 649.

Pham number 300260 has 31 members, 3 are drafts.

Phages represented in each track:

- Track 1 : SlimJimmy_23, KleverKiS_24, RoseMarie_24, Reindeer_22, Bricole_24
- Track 2 : LilhomieP_23, PegLeg_24, Auspice_24, TyDawg_24, Izel_25, Glaske16_25, IPhone7_24, Dulcita_25, Diminimus_25, FreakyGoo_25, Bongo_25, Skinny_25, TpudiCK_25
- Track 3 : Aziz_28, GenevaB15_28, MrMagoo_28, GardenSalsa_28
- Track 4 : Rey_29
- Track 5 : Estes_29
- Track 6 : Nanosmite_28
- Track 7 : Cosmo_36, Azrael100_35
- Track 8 : MaryV_36, Wildcat_36, EniyanLRS_33
- Track 9 : Kumao_24

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 28 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auspice_24, Aziz_28, Azrael100_35, Bongo_25, Bricole_24, Cosmo_36, Diminimus_25, Dulcita_25, EniyanLRS_33, Estes_29, FreakyGoo_25, GardenSalsa_28, GenevaB15_28, Glaske16_25, IPhone7_24, Izel_25, KleverKiS_24, Kumao_24, LilhomieP_23, MaryV_36, MrMagoo_28, Nanosmite_28, PegLeg_24, Reindeer_22, Rey_29, RoseMarie_24, Skinny_25, SlimJimmy_23, TpudiCK_25, TyDawg_24, Wildcat_36,

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 6:

- Found in 31 of 31 (100.0%) of genes in pham
- Manual Annotations of this start: 28 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auspice_24 (M1), Aziz_28 (M2), Azrael100_35 (V), Bongo_25 (M1), Bricole_24 (M1), Cosmo_36 (V), Diminimus_25 (M1), Dulcita_25 (M1), EniyanLRS_33 (V), Estes_29 (M2), FreakyGoo_25 (M1), GardenSalsa_28 (M2), GenevaB15_28 (M2), Glaske16_25 (M1), IPhone7_24 (M1), Izel_25 (M1), KleverKiS_24 (M1), Kumao_24 (singleton), LilhomieP_23 (M1), MaryV_36 (V), MrMagoo_28 (M2), Nanosmite_28 (M3), PegLeg_24 (M1), Reindeer_22 (M1), Rey_29 (M2), RoseMarie_24 (M1), Skinny_25 (M1), SlimJimmy_23 (M1), TpudiCK_25 (M1), TyDawg_24 (M1), Wildcat_36 (V),

Summary by clusters:

There are 5 clusters represented in this pham: singleton, M2, M1, M3, V,

Info for manual annotations of cluster M1:

- Start number 6 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 6 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 6 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster V:

- Start number 6 was manually annotated 5 times for cluster V.

Gene Information:

Gene: Auspice_24 Start: 13804, Stop: 14139, Start Num: 6

Candidate Starts for Auspice_24:

(3, 13750), (Start: 6 @13804 has 28 MA's), (9, 13846), (12, 13858), (29, 14101),

Gene: Aziz_28 Start: 14380, Stop: 14721, Start Num: 6

Candidate Starts for Aziz_28:

(Start: 6 @14380 has 28 MA's), (8, 14407), (14, 14434), (16, 14449), (17, 14485), (24, 14611), (26, 14665), (27, 14668), (29, 14683),

Gene: Azrael100_35 Start: 16947, Stop: 17291, Start Num: 6

Candidate Starts for Azrael100_35:

(4, 16911), (5, 16929), (Start: 6 @16947 has 28 MA's), (7, 16965), (10, 16995), (13, 17010), (21, 17085), (23, 17160), (28, 17244), (29, 17253), (30, 17271),

Gene: Bongo_25 Start: 13804, Stop: 14139, Start Num: 6

Candidate Starts for Bongo_25:

(3, 13750), (Start: 6 @13804 has 28 MA's), (9, 13846), (12, 13858), (29, 14101),

Gene: Bricole_24 Start: 13802, Stop: 14125, Start Num: 6

Candidate Starts for Bricole_24:

(Start: 6 @13802 has 28 MA's), (14, 13853), (29, 14087),

Gene: Cosmo_36 Start: 16954, Stop: 17298, Start Num: 6

Candidate Starts for Cosmo_36:

(4, 16918), (5, 16936), (Start: 6 @16954 has 28 MA's), (7, 16972), (10, 17002), (13, 17017), (21, 17092), (23, 17167), (28, 17251), (29, 17260), (30, 17278),

Gene: Diminimus_25 Start: 13803, Stop: 14138, Start Num: 6

Candidate Starts for Diminimus_25:

(3, 13749), (Start: 6 @13803 has 28 MA's), (9, 13845), (12, 13857), (29, 14100),

Gene: Dulcita_25 Start: 13803, Stop: 14138, Start Num: 6

Candidate Starts for Dulcita_25:

(3, 13749), (Start: 6 @13803 has 28 MA's), (9, 13845), (12, 13857), (29, 14100),

Gene: EniyanLRS_33 Start: 16652, Stop: 16996, Start Num: 6

Candidate Starts for EniyanLRS_33:

(Start: 6 @16652 has 28 MA's), (7, 16670), (10, 16700), (13, 16715), (21, 16790), (23, 16865), (28, 16949), (29, 16958), (30, 16976),

Gene: Estes_29 Start: 14517, Stop: 14858, Start Num: 6

Candidate Starts for Estes_29:

(Start: 6 @14517 has 28 MA's), (14, 14571), (16, 14586), (17, 14622), (24, 14748), (26, 14802), (27, 14805), (29, 14820),

Gene: FreakyGoo_25 Start: 13804, Stop: 14139, Start Num: 6

Candidate Starts for FreakyGoo_25:

(3, 13750), (Start: 6 @13804 has 28 MA's), (9, 13846), (12, 13858), (29, 14101),

Gene: GardenSalsa_28 Start: 14353, Stop: 14694, Start Num: 6

Candidate Starts for GardenSalsa_28:

(Start: 6 @14353 has 28 MA's), (8, 14380), (14, 14407), (16, 14422), (17, 14458), (24, 14584), (26, 14638), (27, 14641), (29, 14656),

Gene: GenevaB15_28 Start: 14380, Stop: 14721, Start Num: 6

Candidate Starts for GenevaB15_28:

(Start: 6 @14380 has 28 MA's), (8, 14407), (14, 14434), (16, 14449), (17, 14485), (24, 14611), (26, 14665), (27, 14668), (29, 14683),

Gene: Glaske16_25 Start: 13803, Stop: 14138, Start Num: 6

Candidate Starts for Glaske16_25:

(3, 13749), (Start: 6 @13803 has 28 MA's), (9, 13845), (12, 13857), (29, 14100),

Gene: IPhane7_24 Start: 13804, Stop: 14139, Start Num: 6

Candidate Starts for IPhane7_24:

(3, 13750), (Start: 6 @13804 has 28 MA's), (9, 13846), (12, 13858), (29, 14101),

Gene: Izel_25 Start: 13803, Stop: 14138, Start Num: 6

Candidate Starts for Izel_25:

(3, 13749), (Start: 6 @13803 has 28 MA's), (9, 13845), (12, 13857), (29, 14100),

Gene: KleverKiS_24 Start: 13799, Stop: 14122, Start Num: 6

Candidate Starts for KleverKiS_24:

(Start: 6 @13799 has 28 MA's), (14, 13850), (29, 14084),

Gene: Kumao_24 Start: 13644, Stop: 13994, Start Num: 6

Candidate Starts for Kumao_24:

(1, 13566), (2, 13581), (Start: 6 @13644 has 28 MA's), (11, 13710), (15, 13731), (20, 13788), (22, 13815), (25, 13920), (26, 13938), (29, 13956), (30, 13974),

Gene: LilhomieP_23 Start: 13804, Stop: 14139, Start Num: 6

Candidate Starts for LilhomieP_23:

(3, 13750), (Start: 6 @13804 has 28 MA's), (9, 13846), (12, 13858), (29, 14101),

Gene: MaryV_36 Start: 16924, Stop: 17268, Start Num: 6

Candidate Starts for MaryV_36:

(Start: 6 @16924 has 28 MA's), (7, 16942), (10, 16972), (13, 16987), (21, 17062), (23, 17137), (28, 17221), (29, 17230), (30, 17248),

Gene: MrMagoo_28 Start: 14353, Stop: 14694, Start Num: 6

Candidate Starts for MrMagoo_28:

(Start: 6 @14353 has 28 MA's), (8, 14380), (14, 14407), (16, 14422), (17, 14458), (24, 14584), (26, 14638), (27, 14641), (29, 14656),

Gene: Nanosmite_28 Start: 14576, Stop: 14908, Start Num: 6

Candidate Starts for Nanosmite_28:

(3, 14522), (Start: 6 @14576 has 28 MA's), (29, 14870),

Gene: PegLeg_24 Start: 13803, Stop: 14138, Start Num: 6

Candidate Starts for PegLeg_24:

(3, 13749), (Start: 6 @13803 has 28 MA's), (9, 13845), (12, 13857), (29, 14100),

Gene: Reindeer_22 Start: 13656, Stop: 13979, Start Num: 6

Candidate Starts for Reindeer_22:

(Start: 6 @13656 has 28 MA's), (14, 13707), (29, 13941),

Gene: Rey_29 Start: 14582, Stop: 14929, Start Num: 6

Candidate Starts for Rey_29:

(Start: 6 @14582 has 28 MA's), (14, 14642), (18, 14717), (19, 14720), (26, 14873), (27, 14876), (29, 14891),

Gene: RoseMarie_24 Start: 14045, Stop: 14368, Start Num: 6

Candidate Starts for RoseMarie_24:

(Start: 6 @14045 has 28 MA's), (14, 14096), (29, 14330),

Gene: Skinny_25 Start: 13804, Stop: 14139, Start Num: 6

Candidate Starts for Skinny_25:

(3, 13750), (Start: 6 @13804 has 28 MA's), (9, 13846), (12, 13858), (29, 14101),

Gene: SlimJimmy_23 Start: 13802, Stop: 14125, Start Num: 6

Candidate Starts for SlimJimmy_23:

(Start: 6 @13802 has 28 MA's), (14, 13853), (29, 14087),

Gene: TpudiCK_25 Start: 13803, Stop: 14138, Start Num: 6

Candidate Starts for TpudiCK_25:

(3, 13749), (Start: 6 @13803 has 28 MA's), (9, 13845), (12, 13857), (29, 14100),

Gene: TyDawg_24 Start: 13804, Stop: 14139, Start Num: 6

Candidate Starts for TyDawg_24:

(3, 13750), (Start: 6 @13804 has 28 MA's), (9, 13846), (12, 13858), (29, 14101),

Gene: Wildcat_36 Start: 16934, Stop: 17278, Start Num: 6

Candidate Starts for Wildcat_36:

(Start: 6 @16934 has 28 MA's), (7, 16952), (10, 16982), (13, 16997), (21, 17072), (23, 17147), (28, 17231), (29, 17240), (30, 17258),