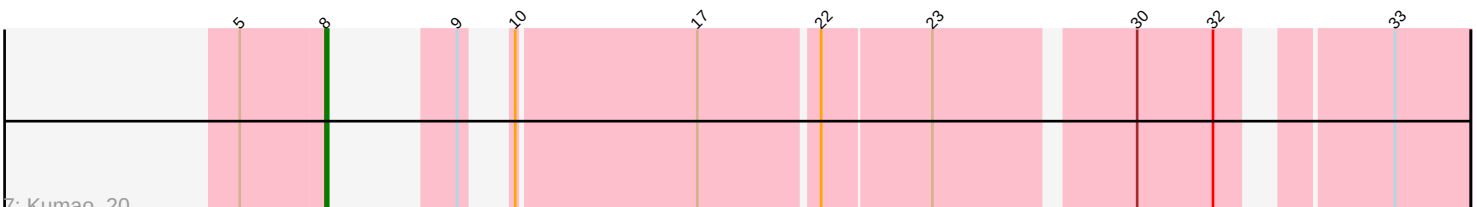
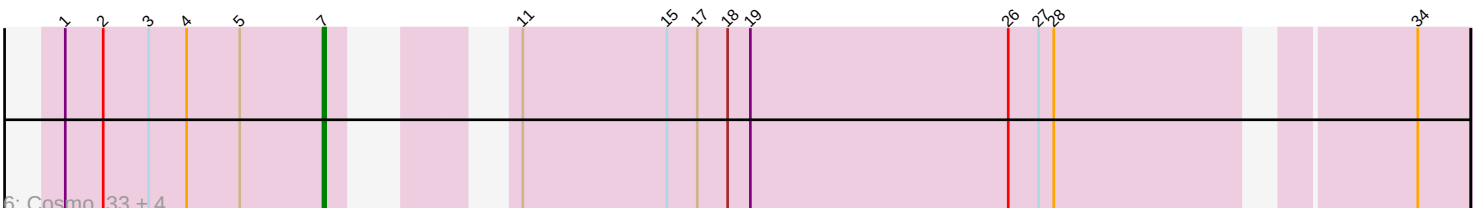
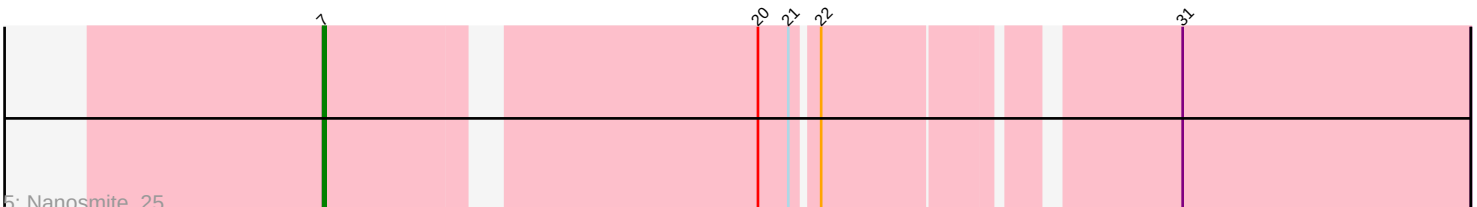
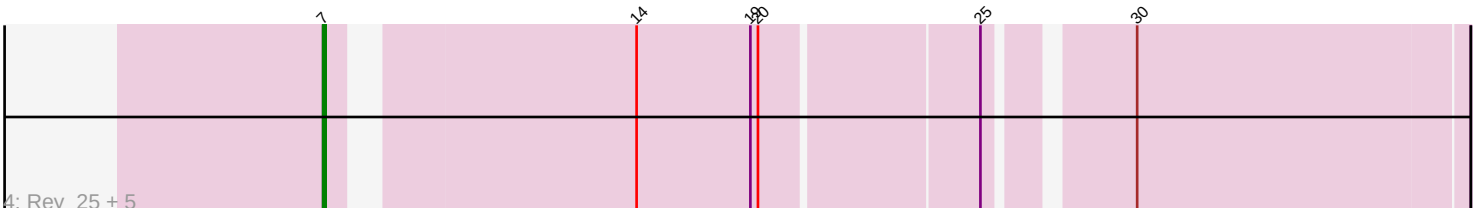
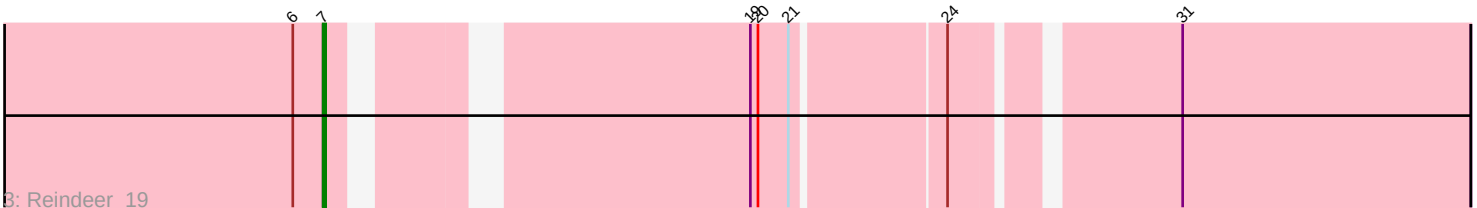
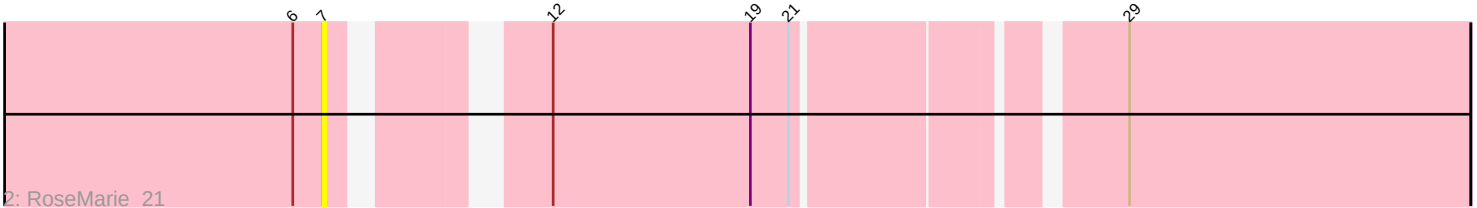
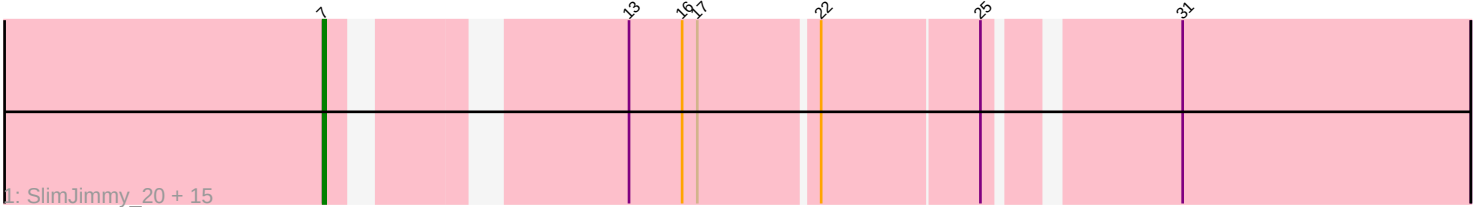


Pham 280718



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 280718 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280718 has 31 members, 3 are drafts.

Phages represented in each track:

- Track 1 : SlimJimmy_20, KleverKiS_21, TpudiCK_22, PegLeg_21, LilhomieP_20, Izel_22, Glaske16_22, Bricole_21, TyDawg_21, Diminimus_22, Auspice_21, Dulcita_22, IPhane7_21, Skinny_22, FreakyGoo_22, Bongo_21
- Track 2 : RoseMarie_21
- Track 3 : Reindeer_19
- Track 4 : Rey_25, Aziz_25, MrMagoo_25, Estes_26, GenevaB15_25, GardenSalsa_25
- Track 5 : Nanosmite_25
- Track 6 : Cosmo_33, MaryV_33, Wildcat_33, Azrael100_32, EniyanLRS_30
- Track 7 : Kumao_20

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

The start number called the most often in the published annotations is 7, it was called in 27 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auspice_21, Aziz_25, Azrael100_32, Bongo_21, Bricole_21, Cosmo_33, Diminimus_22, Dulcita_22, EniyanLRS_30, Estes_26, FreakyGoo_22, GardenSalsa_25, GenevaB15_25, Glaske16_22, IPhane7_21, Izel_22, KleverKiS_21, LilhomieP_20, MaryV_33, MrMagoo_25, Nanosmite_25, PegLeg_21, Reindeer_19, Rey_25, RoseMarie_21, Skinny_22, SlimJimmy_20, TpudiCK_22, TyDawg_21, Wildcat_33,

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

-

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

- Kumao_20,

Summary by start number:

Start 7:

- Found in 30 of 31 (96.8%) of genes in pham

- Manual Annotations of this start: 27 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Auspice_21 (M1), Aziz_25 (M2), Azrael100_32 (V), Bongo_21 (M1), Bricole_21 (M1), Cosmo_33 (V), Diminimus_22 (M1), Dulcita_22 (M1), EniyanLRS_30 (V), Estes_26 (M2), FreakyGoo_22 (M1), GardenSalsa_25 (M2), GenevaB15_25 (M2), Glaske16_22 (M1), IPHane7_21 (M1), Izel_22 (M1), KleverKiS_21 (M1), LilhomieP_20 (M1), MaryV_33 (V), MrMagoo_25 (M2), Nanosmite_25 (M3), PegLeg_21 (M1), Reindeer_19 (M1), Rey_25 (M2), RoseMarie_21 (M1), Skinny_22 (M1), SlimJimmy_20 (M1), TpudiCK_22 (M1), TyDawg_21 (M1), Wildcat_33 (V),

Start 8:

- Found in 1 of 31 (3.2%) of genes in pham
- Manual Annotations of this start: 1 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kumao_20 (singleton),

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 7 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 7 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 7 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster V:

- Start number 7 was manually annotated 5 times for cluster V.

Gene Information:

Gene: Auspice_21 Start: 11871, Stop: 12275, Start Num: 7

Candidate Starts for Auspice_21:

(Start: 7 @11871 has 27 MA's), (13, 11964), (16, 11985), (17, 11991), (22, 12036), (25, 12096), (31, 12162),

Gene: Aziz_25 Start: 12434, Stop: 12850, Start Num: 7

Candidate Starts for Aziz_25:

(Start: 7 @12434 has 27 MA's), (14, 12545), (19, 12590), (20, 12593), (25, 12674), (30, 12722),

Gene: Azrael100_32 Start: 14960, Stop: 15355, Start Num: 7

Candidate Starts for Azrael100_32:

(1, 14858), (2, 14873), (3, 14891), (4, 14906), (5, 14927), (Start: 7 @14960 has 27 MA's), (11, 14999), (15, 15056), (17, 15068), (18, 15080), (19, 15089), (26, 15191), (27, 15203), (28, 15209), (34, 15335),

Gene: Bongo_21 Start: 11871, Stop: 12275, Start Num: 7

Candidate Starts for Bongo_21:

(Start: 7 @11871 has 27 MA's), (13, 11964), (16, 11985), (17, 11991), (22, 12036), (25, 12096), (31, 12162),

Gene: Bricole_21 Start: 11870, Stop: 12274, Start Num: 7

Candidate Starts for Bricole_21:

(Start: 7 @11870 has 27 MA's), (13, 11963), (16, 11984), (17, 11990), (22, 12035), (25, 12095), (31, 12161),

Gene: Cosmo_33 Start: 14967, Stop: 15362, Start Num: 7

Candidate Starts for Cosmo_33:

(1, 14865), (2, 14880), (3, 14898), (4, 14913), (5, 14934), (Start: 7 @14967 has 27 MA's), (11, 15006), (15, 15063), (17, 15075), (18, 15087), (19, 15096), (26, 15198), (27, 15210), (28, 15216), (34, 15342),

Gene: Diminimus_22 Start: 11870, Stop: 12274, Start Num: 7

Candidate Starts for Diminimus_22:

(Start: 7 @11870 has 27 MA's), (13, 11963), (16, 11984), (17, 11990), (22, 12035), (25, 12095), (31, 12161),

Gene: Dulcita_22 Start: 11870, Stop: 12274, Start Num: 7

Candidate Starts for Dulcita_22:

(Start: 7 @11870 has 27 MA's), (13, 11963), (16, 11984), (17, 11990), (22, 12035), (25, 12095), (31, 12161),

Gene: EniyanLRS_30 Start: 14661, Stop: 15056, Start Num: 7

Candidate Starts for EniyanLRS_30:

(1, 14559), (2, 14574), (3, 14592), (4, 14607), (5, 14628), (Start: 7 @14661 has 27 MA's), (11, 14700), (15, 14757), (17, 14769), (18, 14781), (19, 14790), (26, 14892), (27, 14904), (28, 14910), (34, 15036),

Gene: Estes_26 Start: 12571, Stop: 12987, Start Num: 7

Candidate Starts for Estes_26:

(Start: 7 @12571 has 27 MA's), (14, 12682), (19, 12727), (20, 12730), (25, 12811), (30, 12859),

Gene: FreakyGoo_22 Start: 11871, Stop: 12275, Start Num: 7

Candidate Starts for FreakyGoo_22:

(Start: 7 @11871 has 27 MA's), (13, 11964), (16, 11985), (17, 11991), (22, 12036), (25, 12096), (31, 12162),

Gene: GardenSalsa_25 Start: 12407, Stop: 12823, Start Num: 7

Candidate Starts for GardenSalsa_25:

(Start: 7 @12407 has 27 MA's), (14, 12518), (19, 12563), (20, 12566), (25, 12647), (30, 12695),

Gene: GenevaB15_25 Start: 12434, Stop: 12850, Start Num: 7

Candidate Starts for GenevaB15_25:

(Start: 7 @12434 has 27 MA's), (14, 12545), (19, 12590), (20, 12593), (25, 12674), (30, 12722),

Gene: Glaske16_22 Start: 11870, Stop: 12274, Start Num: 7

Candidate Starts for Glaske16_22:

(Start: 7 @11870 has 27 MA's), (13, 11963), (16, 11984), (17, 11990), (22, 12035), (25, 12095), (31, 12161),

Gene: IPhone7_21 Start: 11871, Stop: 12275, Start Num: 7

Candidate Starts for IPhone7_21:

(Start: 7 @11871 has 27 MA's), (13, 11964), (16, 11985), (17, 11991), (22, 12036), (25, 12096), (31, 12162),

Gene: Izel_22 Start: 11870, Stop: 12274, Start Num: 7

Candidate Starts for Izel_22:

(Start: 7 @11870 has 27 MA's), (13, 11963), (16, 11984), (17, 11990), (22, 12035), (25, 12095), (31, 12161),

Gene: KleverKiS_21 Start: 11867, Stop: 12271, Start Num: 7

Candidate Starts for KleverKiS_21:

(Start: 7 @11867 has 27 MA's), (13, 11960), (16, 11981), (17, 11987), (22, 12032), (25, 12092), (31, 12158),

Gene: Kumao_20 Start: 11204, Stop: 11566, Start Num: 8

Candidate Starts for Kumao_20:

(5, 11171), (Start: 8 @11204 has 1 MA's), (9, 11219), (10, 11225), (17, 11294), (22, 11339), (23, 11381), (30, 11453), (32, 11483), (33, 11537),

Gene: LilhomieP_20 Start: 11871, Stop: 12275, Start Num: 7

Candidate Starts for LilhomieP_20:

(Start: 7 @11871 has 27 MA's), (13, 11964), (16, 11985), (17, 11991), (22, 12036), (25, 12096), (31, 12162),

Gene: MaryV_33 Start: 14933, Stop: 15328, Start Num: 7

Candidate Starts for MaryV_33:

(1, 14831), (2, 14846), (3, 14864), (4, 14879), (5, 14900), (Start: 7 @14933 has 27 MA's), (11, 14972), (15, 15029), (17, 15041), (18, 15053), (19, 15062), (26, 15164), (27, 15176), (28, 15182), (34, 15308),

Gene: MrMagoo_25 Start: 12407, Stop: 12823, Start Num: 7

Candidate Starts for MrMagoo_25:

(Start: 7 @12407 has 27 MA's), (14, 12518), (19, 12563), (20, 12566), (25, 12647), (30, 12695),

Gene: Nanosmite_25 Start: 12625, Stop: 13041, Start Num: 7

Candidate Starts for Nanosmite_25:

(Start: 7 @12625 has 27 MA's), (20, 12781), (21, 12793), (22, 12802), (31, 12928),

Gene: PegLeg_21 Start: 11870, Stop: 12274, Start Num: 7

Candidate Starts for PegLeg_21:

(Start: 7 @11870 has 27 MA's), (13, 11963), (16, 11984), (17, 11990), (22, 12035), (25, 12095), (31, 12161),

Gene: Reindeer_19 Start: 11723, Stop: 12127, Start Num: 7

Candidate Starts for Reindeer_19:

(6, 11711), (Start: 7 @11723 has 27 MA's), (19, 11864), (20, 11867), (21, 11879), (24, 11936), (31, 12014),

Gene: Rey_25 Start: 12642, Stop: 13055, Start Num: 7

Candidate Starts for Rey_25:

(Start: 7 @12642 has 27 MA's), (14, 12750), (19, 12795), (20, 12798), (25, 12879), (30, 12927),

Gene: RoseMarie_21 Start: 12114, Stop: 12518, Start Num: 7

Candidate Starts for RoseMarie_21:

(6, 12102), (Start: 7 @12114 has 27 MA's), (12, 12177), (19, 12255), (21, 12270), (29, 12384),

Gene: Skinny_22 Start: 11871, Stop: 12275, Start Num: 7

Candidate Starts for Skinny_22:

(Start: 7 @11871 has 27 MA's), (13, 11964), (16, 11985), (17, 11991), (22, 12036), (25, 12096), (31, 12162),

Gene: SlimJimmy_20 Start: 11870, Stop: 12274, Start Num: 7

Candidate Starts for SlimJimmy_20:

(Start: 7 @11870 has 27 MA's), (13, 11963), (16, 11984), (17, 11990), (22, 12035), (25, 12095), (31, 12161),

Gene: TpudiCK_22 Start: 11870, Stop: 12274, Start Num: 7

Candidate Starts for TpudiCK_22:

(Start: 7 @11870 has 27 MA's), (13, 11963), (16, 11984), (17, 11990), (22, 12035), (25, 12095), (31, 12161),

Gene: TyDawg_21 Start: 11871, Stop: 12275, Start Num: 7

Candidate Starts for TyDawg_21:

(Start: 7 @11871 has 27 MA's), (13, 11964), (16, 11985), (17, 11991), (22, 12036), (25, 12096), (31, 12162),

Gene: Wildcat_33 Start: 14943, Stop: 15338, Start Num: 7

Candidate Starts for Wildcat_33:

(1, 14841), (2, 14856), (3, 14874), (4, 14889), (5, 14910), (Start: 7 @14943 has 27 MA's), (11, 14982), (15, 15039), (17, 15051), (18, 15063), (19, 15072), (26, 15174), (27, 15186), (28, 15192), (34, 15318),