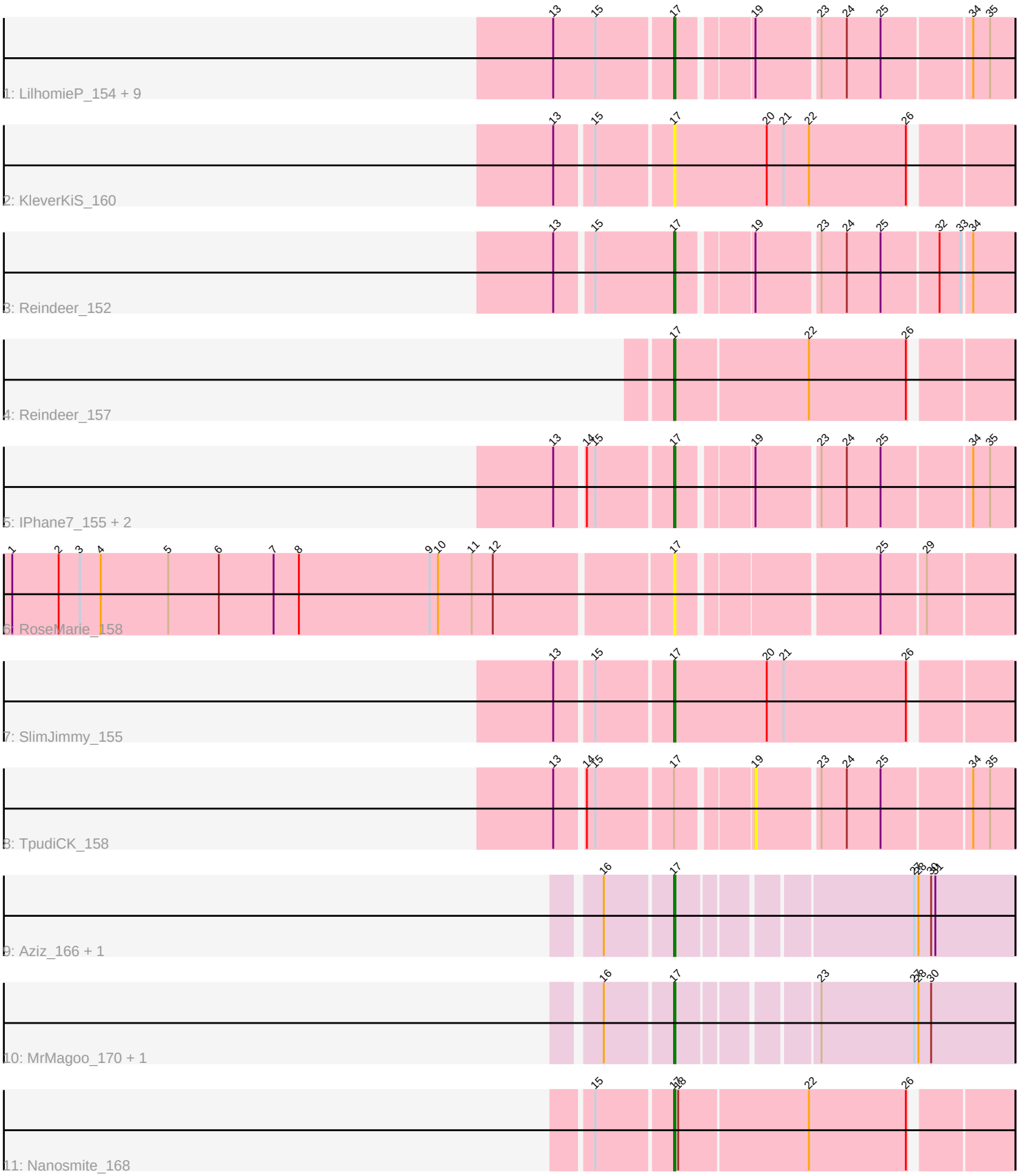
Pham 335226


1: LilhomieP_154 + 9
2: KleverKiS_160
3: Reindeer_152
4: Reindeer_157
5: IPhane7_155 + 2
6: RoseMarie_158
7: SlimJimmy_155
8: TpudiCK_158
9: Aziz_166 + 1
10: MrMagoo_170 + 1
11: Nanosmite_168

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 335226 Report

This analysis was run 11/14/26 on database version 672.

Pham number 335226 has 24 members, 3 are drafts.

Phages represented in each track:
• Track 1 : LilhomieP_154, Diminimus_155, FreakyGoo_157, Skinny_162, Bongo_152, PegLeg_158, Bricole_160, Glaske16_157, Izel_155, Dulcita_155
• Track 2 : KleverKiS_160
• Track 3 : Reindeer_152
• Track 4 : Reindeer_157
• Track 5 : IPhane7_155, TyDawg_151, Auspice_158
• Track 6 : RoseMarie_158
• Track 7 : SlimJimmy_155
• Track 8 : TpudiCK_158
• Track 9 : Aziz_166, Rey_169
• Track 10 : MrMagoo_170, Estes_166
• Track 11 : Nanosmite_168

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

The start number called the most often in the published annotations is 17, it was called in 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_158, Aziz_166, Bongo_152, Bricole_160, Diminimus_155, Dulcita_155, Estes_166, FreakyGoo_157, Glaske16_157, IPhane7_155, Izel_155, KleverKiS_160, LilhomieP_154, MrMagoo_170, Nanosmite_168, PegLeg_158, Reindeer_152, Reindeer_157, Rey_169, RoseMarie_158, Skinny_162, SlimJimmy_155, TyDawg_151,

Genes that have the "Most Annotated" start but do not call it:
• TpudiCK_158,

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

Summary by start number:

Start 17:

• Found in 24 of 24 (100.0%) of genes in pham
• Manual Annotations of this start: 21 of 21
• Called 95.8% of time when present
• Phage (with cluster) where this start called: Auspice_158 (M1), Aziz_166 (M2), Bongo_152 (M1), Bricole_160 (M1), Diminimus_155 (M1), Dulcita_155 (M1), Estes_166 (M2), FreakyGoo_157 (M1), Glaske16_157 (M1), IPhane7_155 (M1), Izel_155 (M1), KleverKiS_160 (M1), LilhomieP_154 (M1), MrMagoo_170 (M2), Nanosmite_168 (M3), PegLeg_158 (M1), Reindeer_152 (M1), Reindeer_157 (M1), Rey_169 (M2), RoseMarie_158 (M1), Skinny_162 (M1), SlimJimmy_155 (M1), TyDawg_151 (M1),

Start 19:
• Found in 15 of 24 (62.5%) of genes in pham
• No Manual Annotations of this start.
• Called 6.7% of time when present
• Phage (with cluster) where this start called: TpudiCK_158 (M1),

Summary by clusters:

There are 3 clusters represented in this pham: M1, M3, M2,

Info for manual annotations of cluster M1:
•Start number 17 was manually annotated 16 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 17 was manually annotated 4 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 17 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Auspice_158 Start: 78720, Stop: 78499, Start Num: 17
Candidate Starts for Auspice_158:
(13, 78795), (14, 78777), (15, 78771), (Start: 17 @78720 has 21 MA's), (19, 78672), (23, 78630), (24, 78612), (25, 78588), (34, 78528), (35, 78516),

Gene: Aziz_166 Start: 79128, Stop: 78904, Start Num: 17
Candidate Starts for Aziz_166:
(16, 79173), (Start: 17 @79128 has 21 MA's), (27, 78975), (28, 78972), (30, 78963), (31, 78960),

Gene: Bongo_152 Start: 77519, Stop: 77298, Start Num: 17
Candidate Starts for Bongo_152:
(13, 77600), (15, 77570), (Start: 17 @77519 has 21 MA's), (19, 77471), (23, 77429), (24, 77411), (25, 77387), (34, 77327), (35, 77315),

Gene: Bricole_160 Start: 78420, Stop: 78199, Start Num: 17
Candidate Starts for Bricole_160:
(13, 78501), (15, 78471), (Start: 17 @78420 has 21 MA's), (19, 78372), (23, 78330), (24, 78312), (25, 78288), (34, 78228), (35, 78216),

Gene: Diminimus_155 Start: 77330, Stop: 77109, Start Num: 17
Candidate Starts for Diminimus_155:
(13, 77411), (15, 77381), (Start: 17 @77330 has 21 MA's), (19, 77282), (23, 77240), (24, 77222), (25, 77198), (34, 77138), (35, 77126),

Gene: Dulcita_155 Start: 77331, Stop: 77110, Start Num: 17
Candidate Starts for Dulcita_155:
(13, 77412), (15, 77382), (Start: 17 @77331 has 21 MA's), (19, 77283), (23, 77241), (24, 77223), (25, 77199), (34, 77139), (35, 77127),

Gene: Estes_166 Start: 79333, Stop: 79109, Start Num: 17
Candidate Starts for Estes_166:
(16, 79378), (Start: 17 @79333 has 21 MA's), (23, 79246), (27, 79180), (28, 79177), (30, 79168),

Gene: FreakyGoo_157 Start: 78605, Stop: 78384, Start Num: 17
Candidate Starts for FreakyGoo_157:
(13, 78686), (15, 78656), (Start: 17 @78605 has 21 MA's), (19, 78557), (23, 78515), (24, 78497), (25, 78473), (34, 78413), (35, 78401),

Gene: Glaske16_157 Start: 78449, Stop: 78228, Start Num: 17
Candidate Starts for Glaske16_157:
(13, 78530), (15, 78500), (Start: 17 @78449 has 21 MA's), (19, 78401), (23, 78359), (24, 78341), (25, 78317), (34, 78257), (35, 78245),

Gene: IPhane7_155 Start: 78335, Stop: 78114, Start Num: 17
Candidate Starts for IPhane7_155:
(13, 78410), (14, 78392), (15, 78386), (Start: 17 @78335 has 21 MA's), (19, 78287), (23, 78245), (24, 78227), (25, 78203), (34, 78143), (35, 78131),

Gene: Izel_155 Start: 77330, Stop: 77109, Start Num: 17
Candidate Starts for Izel_155:
(13, 77411), (15, 77381), (Start: 17 @77330 has 21 MA's), (19, 77282), (23, 77240), (24, 77222), (25, 77198), (34, 77138), (35, 77126),

Gene: KleverKiS_160 Start: 79400, Stop: 79170, Start Num: 17
Candidate Starts for KleverKiS_160:
(13, 79475), (15, 79451), (Start: 17 @79400 has 21 MA's), (20, 79334), (21, 79322), (22, 79304), (26, 79235),

Gene: LilhomieP_154 Start: 78362, Stop: 78141, Start Num: 17
Candidate Starts for LilhomieP_154:
(13, 78443), (15, 78413), (Start: 17 @78362 has 21 MA's), (19, 78314), (23, 78272), (24, 78254), (25, 78230), (34, 78170), (35, 78158),

Gene: MrMagoo_170 Start: 80017, Stop: 79793, Start Num: 17
Candidate Starts for MrMagoo_170:
(16, 80062), (Start: 17 @80017 has 21 MA's), (23, 79930), (27, 79864), (28, 79861), (30, 79852),

Gene: Nanosmite_168 Start: 79846, Stop: 79619, Start Num: 17
Candidate Starts for Nanosmite_168:
(15, 79897), (Start: 17 @79846 has 21 MA's), (18, 79843), (22, 79753), (26, 79684),

Gene: PegLeg_158 Start: 78246, Stop: 78025, Start Num: 17

Candidate Starts for PegLeg_158:
(13, 78327), (15, 78297), (Start: 17 @78246 has 21 MA's), (19, 78198), (23, 78156), (24, 78138), (25, 78114), (34, 78054), (35, 78042),

Gene: Reindeer_152 Start: 78118, Stop: 77897, Start Num: 17
Candidate Starts for Reindeer_152:
(13, 78196), (15, 78172), (Start: 17 @78118 has 21 MA's), (19, 78070), (23, 78028), (24, 78010), (25, 77986), (32, 77947), (33, 77932), (34, 77926),

Gene: Reindeer_157 Start: 80261, Stop: 80034, Start Num: 17
Candidate Starts for Reindeer_157:
(Start: 17 @80261 has 21 MA's), (22, 80168), (26, 80099),

Gene: Rey_169 Start: 79384, Stop: 79160, Start Num: 17
Candidate Starts for Rey_169:
(16, 79429), (Start: 17 @79384 has 21 MA's), (27, 79231), (28, 79228), (30, 79219), (31, 79216),

Gene: RoseMarie_158 Start: 79781, Stop: 79560, Start Num: 17
Candidate Starts for RoseMarie_158:
(1, 80243), (2, 80210), (3, 80195), (4, 80180), (5, 80132), (6, 80096), (7, 80057), (8, 80039), (9, 79946), (10, 79940), (11, 79916), (12, 79901), (Start: 17 @79781 has 21 MA's), (25, 79649), (29, 79619),

Gene: Skinny_162 Start: 79363, Stop: 79142, Start Num: 17
Candidate Starts for Skinny_162:
(13, 79444), (15, 79414), (Start: 17 @79363 has 21 MA's), (19, 79315), (23, 79273), (24, 79255), (25, 79231), (34, 79171), (35, 79159),

Gene: SlimJimmy_155 Start: 78901, Stop: 78671, Start Num: 17
Candidate Starts for SlimJimmy_155:
(13, 78976), (15, 78952), (Start: 17 @78901 has 21 MA's), (20, 78835), (21, 78823), (26, 78736),

Gene: TpudiCK_158 Start: 78102, Stop: 77929, Start Num: 19
Candidate Starts for TpudiCK_158:
(13, 78225), (14, 78207), (15, 78201), (Start: 17 @78150 has 21 MA's), (19, 78102), (23, 78060), (24, 78042), (25, 78018), (34, 77958), (35, 77946),

Gene: TyDawg_151 Start: 78338, Stop: 78117, Start Num: 17
Candidate Starts for TyDawg_151:
(13, 78413), (14, 78395), (15, 78389), (Start: 17 @78338 has 21 MA's), (19, 78290), (23, 78248), (24, 78230), (25, 78206), (34, 78146), (35, 78134),