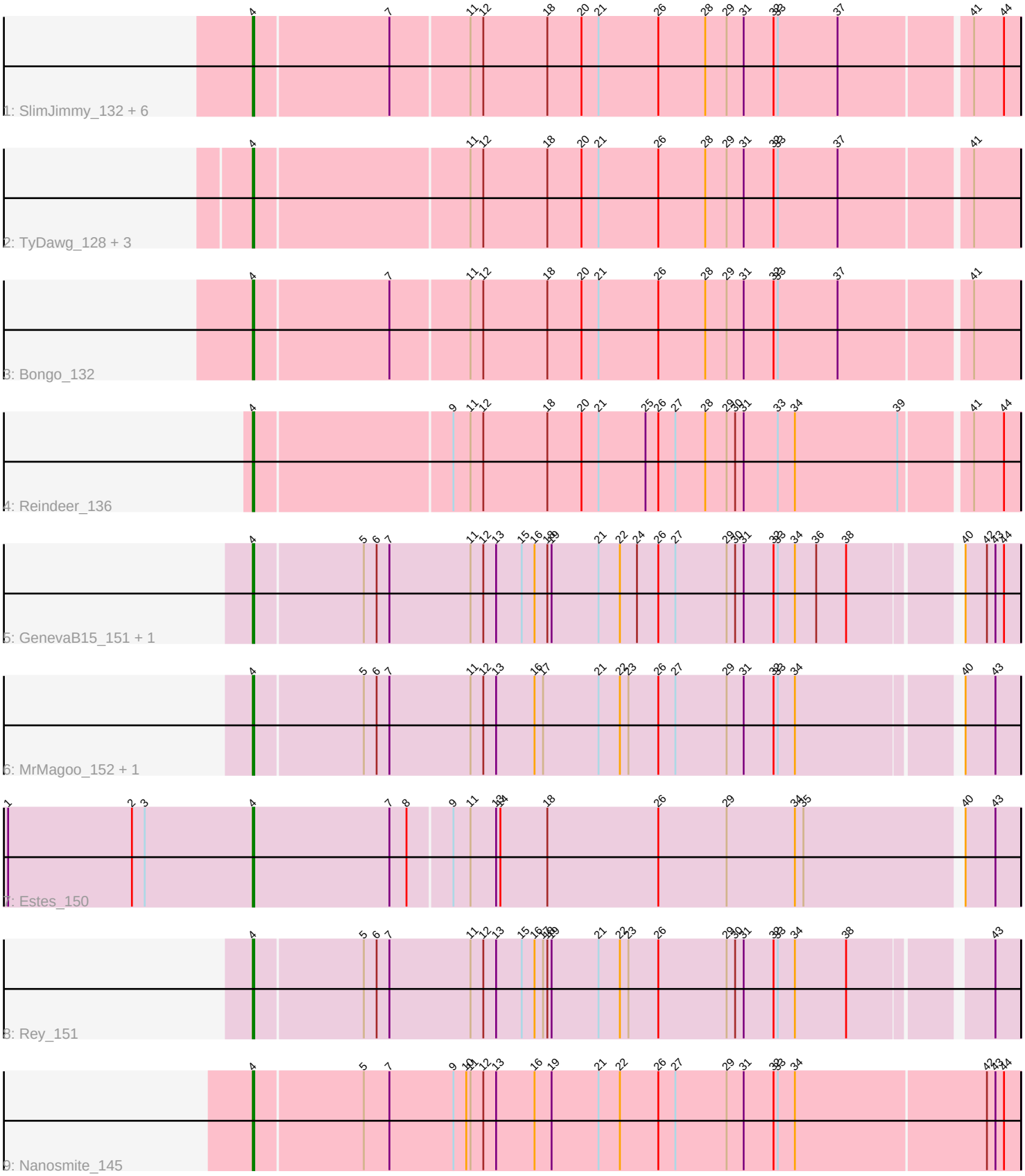
Pham 86688


1: SlimJimmy_132 + 6
2: TyDawg_128 + 3
3: Bongo_132
4: Reindeer_136
5: GenevaB15_151 + 1
6: MrMagoo_152 + 1
7: Estes_150
8: Rey_151
9: Nanosmite_145

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 86688 Report

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

Pham number 86688 has 20 members, 0 are drafts.

Phages represented in each track:
• Track 1 : SlimJimmy_132, PegLeg_136, Dulcita_133, Glaske16_135, LilhomieP_133, Diminimus_133, Skinny_139
• Track 2 : TyDawg_128, Auspice_133, IPhane7_131, Bricole_135
• Track 3 : Bongo_132
• Track 4 : Reindeer_136
• Track 5 : GenevaB15_151, Aziz_148
• Track 6 : MrMagoo_152, GardenSalsa_150
• Track 7 : Estes_150
• Track 8 : Rey_151
• Track 9 : Nanosmite_145

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

The start number called the most often in the published annotations is 4, it was called in 20 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_133, Aziz_148, Bongo_132, Bricole_135, Diminimus_133, Dulcita_133, Estes_150, GardenSalsa_150, GenevaB15_151, Glaske16_135, IPhane7_131, LilhomieP_133, MrMagoo_152, Nanosmite_145, PegLeg_136, Reindeer_136, Rey_151, Skinny_139, SlimJimmy_132, TyDawg_128,

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 4:
• Found in 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 20 of 20
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Auspice_133 (M1), Aziz_148 (M2), Bongo_132 (M1), Bricole_135 (M1), Diminimus_133 (M1), Dulcita_133 (M1), Estes_150 (M2), GardenSalsa_150 (M2), GenevaB15_151 (M2), Glaske16_135 (M1), IPhane7_131 (M1), LilhomieP_133 (M1), MrMagoo_152 (M2), Nanosmite_145 (M3), PegLeg_136 (M1), Reindeer_136 (M1), Rey_151 (M2), Skinny_139 (M1), SlimJimmy_132 (M1), TyDawg_128 (M1),

Summary by clusters:

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

Info for manual annotations of cluster M1:
•Start number 4 was manually annotated 13 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 4 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 4 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Auspice_133 Start: 70550, Stop: 70026, Start Num: 4
Candidate Starts for Auspice_133:
(Start: 4 @70550 has 20 MA's), (11, 70403), (12, 70394), (18, 70349), (20, 70325), (21, 70313), (26, 70271), (28, 70238), (29, 70223), (31, 70211), (32, 70190), (33, 70187), (37, 70145), (41, 70058),

Gene: Aziz_148 Start: 71748, Stop: 71227, Start Num: 4
Candidate Starts for Aziz_148:
(Start: 4 @71748 has 20 MA's), (5, 71673), (6, 71664), (7, 71655), (11, 71598), (12, 71589), (13, 71580), (15, 71562), (16, 71553), (18, 71544), (19, 71541), (21, 71508), (22, 71493), (24, 71481), (26, 71466), (27, 71454), (29, 71418), (30, 71412), (31, 71406), (32, 71385), (33, 71382), (34, 71370), (36, 71355), (38, 71334), (40, 71265), (42, 71250), (43, 71244), (44, 71238),

Gene: Bongo_132 Start: 70166, Stop: 69642, Start Num: 4
Candidate Starts for Bongo_132:
(Start: 4 @70166 has 20 MA's), (7, 70073), (11, 70019), (12, 70010), (18, 69965), (20, 69941), (21, 69929), (26, 69887), (28, 69854), (29, 69839), (31, 69827), (32, 69806), (33, 69803), (37, 69761), (41, 69674),

Gene: Bricole_135 Start: 70314, Stop: 69790, Start Num: 4
Candidate Starts for Bricole_135:
(Start: 4 @70314 has 20 MA's), (11, 70167), (12, 70158), (18, 70113), (20, 70089), (21, 70077), (26, 70035), (28, 70002), (29, 69987), (31, 69975), (32, 69954), (33, 69951), (37, 69909), (41, 69822),

Gene: Diminimus_133 Start: 69982, Stop: 69458, Start Num: 4
Candidate Starts for Diminimus_133:
(Start: 4 @69982 has 20 MA's), (7, 69889), (11, 69835), (12, 69826), (18, 69781), (20, 69757), (21, 69745), (26, 69703), (28, 69670), (29, 69655), (31, 69643), (32, 69622), (33, 69619), (37, 69577), (41, 69490), (44, 69469),

Gene: Dulcita_133 Start: 69983, Stop: 69459, Start Num: 4
Candidate Starts for Dulcita_133:
(Start: 4 @69983 has 20 MA's), (7, 69890), (11, 69836), (12, 69827), (18, 69782), (20, 69758), (21, 69746), (26, 69704), (28, 69671), (29, 69656), (31, 69644), (32, 69623), (33, 69620), (37, 69578), (41, 69491), (44, 69470),

Gene: Estes_150 Start: 72116, Stop: 71589, Start Num: 4
Candidate Starts for Estes_150:
(1, 72287), (2, 72200), (3, 72191), (Start: 4 @72116 has 20 MA's), (7, 72020), (8, 72008), (9, 71978), (11, 71966), (13, 71948), (14, 71945), (18, 71912), (26, 71834), (29, 71786), (34, 71738), (35, 71732), (40, 71627), (43, 71606),

Gene: GardenSalsa_150 Start: 72284, Stop: 71763, Start Num: 4
Candidate Starts for GardenSalsa_150:
(Start: 4 @72284 has 20 MA's), (5, 72209), (6, 72200), (7, 72191), (11, 72134), (12, 72125), (13, 72116), (16, 72089), (17, 72083), (21, 72044), (22, 72029), (23, 72023), (26, 72002), (27, 71990), (29, 71954), (31, 71942), (32, 71921), (33, 71918), (34, 71906), (40, 71801), (43, 71780),

Gene: GenevaB15_151 Start: 71748, Stop: 71227, Start Num: 4
Candidate Starts for GenevaB15_151:
(Start: 4 @71748 has 20 MA's), (5, 71673), (6, 71664), (7, 71655), (11, 71598), (12, 71589), (13, 71580), (15, 71562), (16, 71553), (18, 71544), (19, 71541), (21, 71508), (22, 71493), (24, 71481), (26, 71466), (27, 71454), (29, 71418), (30, 71412), (31, 71406), (32, 71385), (33, 71382), (34, 71370), (36, 71355), (38, 71334), (40, 71265), (42, 71250), (43, 71244), (44, 71238),

Gene: Glaske16_135 Start: 71101, Stop: 70577, Start Num: 4
Candidate Starts for Glaske16_135:
(Start: 4 @71101 has 20 MA's), (7, 71008), (11, 70954), (12, 70945), (18, 70900), (20, 70876), (21, 70864), (26, 70822), (28, 70789), (29, 70774), (31, 70762), (32, 70741), (33, 70738), (37, 70696), (41, 70609), (44, 70588),

Gene: IPhane7_131 Start: 70166, Stop: 69642, Start Num: 4
Candidate Starts for IPhane7_131:
(Start: 4 @70166 has 20 MA's), (11, 70019), (12, 70010), (18, 69965), (20, 69941), (21, 69929), (26, 69887), (28, 69854), (29, 69839), (31, 69827), (32, 69806), (33, 69803), (37, 69761), (41, 69674),

Gene: LilhomieP_133 Start: 71012, Stop: 70488, Start Num: 4
Candidate Starts for LilhomieP_133:
(Start: 4 @71012 has 20 MA's), (7, 70919), (11, 70865), (12, 70856), (18, 70811), (20, 70787), (21, 70775), (26, 70733), (28, 70700), (29, 70685), (31, 70673), (32, 70652), (33, 70649), (37, 70607), (41, 70520), (44, 70499),

Gene: MrMagoo_152 Start: 72285, Stop: 71764, Start Num: 4
Candidate Starts for MrMagoo_152:
(Start: 4 @72285 has 20 MA's), (5, 72210), (6, 72201), (7, 72192), (11, 72135), (12, 72126), (13, 72117), (16, 72090), (17, 72084), (21, 72045), (22, 72030), (23, 72024), (26, 72003), (27, 71991), (29, 71955), (31, 71943), (32, 71922), (33, 71919), (34, 71907), (40, 71802), (43, 71781),

Gene: Nanosmite_145 Start: 72206, Stop: 71673, Start Num: 4
Candidate Starts for Nanosmite_145:
(Start: 4 @72206 has 20 MA's), (5, 72131), (7, 72113), (9, 72068), (10, 72059), (11, 72056), (12, 72047), (13, 72038), (16, 72011), (19, 71999), (21, 71966), (22, 71951), (26, 71924), (27, 71912), (29, 71876), (31, 71864), (32, 71843), (33, 71840), (34, 71828), (42, 71696), (43, 71690), (44, 71684),

Gene: PegLeg_136 Start: 70896, Stop: 70372, Start Num: 4
Candidate Starts for PegLeg_136:
(Start: 4 @70896 has 20 MA's), (7, 70803), (11, 70749), (12, 70740), (18, 70695), (20, 70671), (21, 70659), (26, 70617), (28, 70584), (29, 70569), (31, 70557), (32, 70536), (33, 70533), (37, 70491), (41, 70404), (44, 70383),

Gene: Reindeer_136 Start: 72342, Stop: 71818, Start Num: 4
Candidate Starts for Reindeer_136:
(Start: 4 @72342 has 20 MA's), (9, 72207), (11, 72195), (12, 72186), (18, 72141), (20, 72117), (21, 72105), (25, 72072), (26, 72063), (27, 72051), (28, 72030), (29, 72015), (30, 72009), (31, 72003), (33, 71979), (34, 71967), (39, 71895), (41, 71850), (44, 71829),

Gene: Rey_151 Start: 71535, Stop: 71014, Start Num: 4
Candidate Starts for Rey_151:
(Start: 4 @71535 has 20 MA's), (5, 71460), (6, 71451), (7, 71442), (11, 71385), (12, 71376), (13, 71367), (15, 71349), (16, 71340), (17, 71334), (18, 71331), (19, 71328), (21, 71295), (22, 71280), (23, 71274), (26, 71253), (29, 71205), (30, 71199), (31, 71193), (32, 71172), (33, 71169), (34, 71157), (38, 71121), (43, 71031),

Gene: Skinny_139 Start: 72013, Stop: 71489, Start Num: 4
Candidate Starts for Skinny_139:
(Start: 4 @72013 has 20 MA's), (7, 71920), (11, 71866), (12, 71857), (18, 71812), (20, 71788), (21, 71776), (26, 71734), (28, 71701), (29, 71686), (31, 71674), (32, 71653), (33, 71650), (37, 71608), (41, 71521), (44, 71500),

Gene: SlimJimmy_132 Start: 70722, Stop: 70198, Start Num: 4
Candidate Starts for SlimJimmy_132:
(Start: 4 @70722 has 20 MA's), (7, 70629), (11, 70575), (12, 70566), (18, 70521), (20, 70497), (21, 70485), (26, 70443), (28, 70410), (29, 70395), (31, 70383), (32, 70362), (33, 70359), (37, 70317), (41, 70230), (44, 70209),

Gene: TyDawg_128 Start: 70169, Stop: 69645, Start Num: 4
Candidate Starts for TyDawg_128:
(Start: 4 @70169 has 20 MA's), (11, 70022), (12, 70013), (18, 69968), (20, 69944), (21, 69932), (26, 69890), (28, 69857), (29, 69842), (31, 69830), (32, 69809), (33, 69806), (37, 69764), (41, 69677),