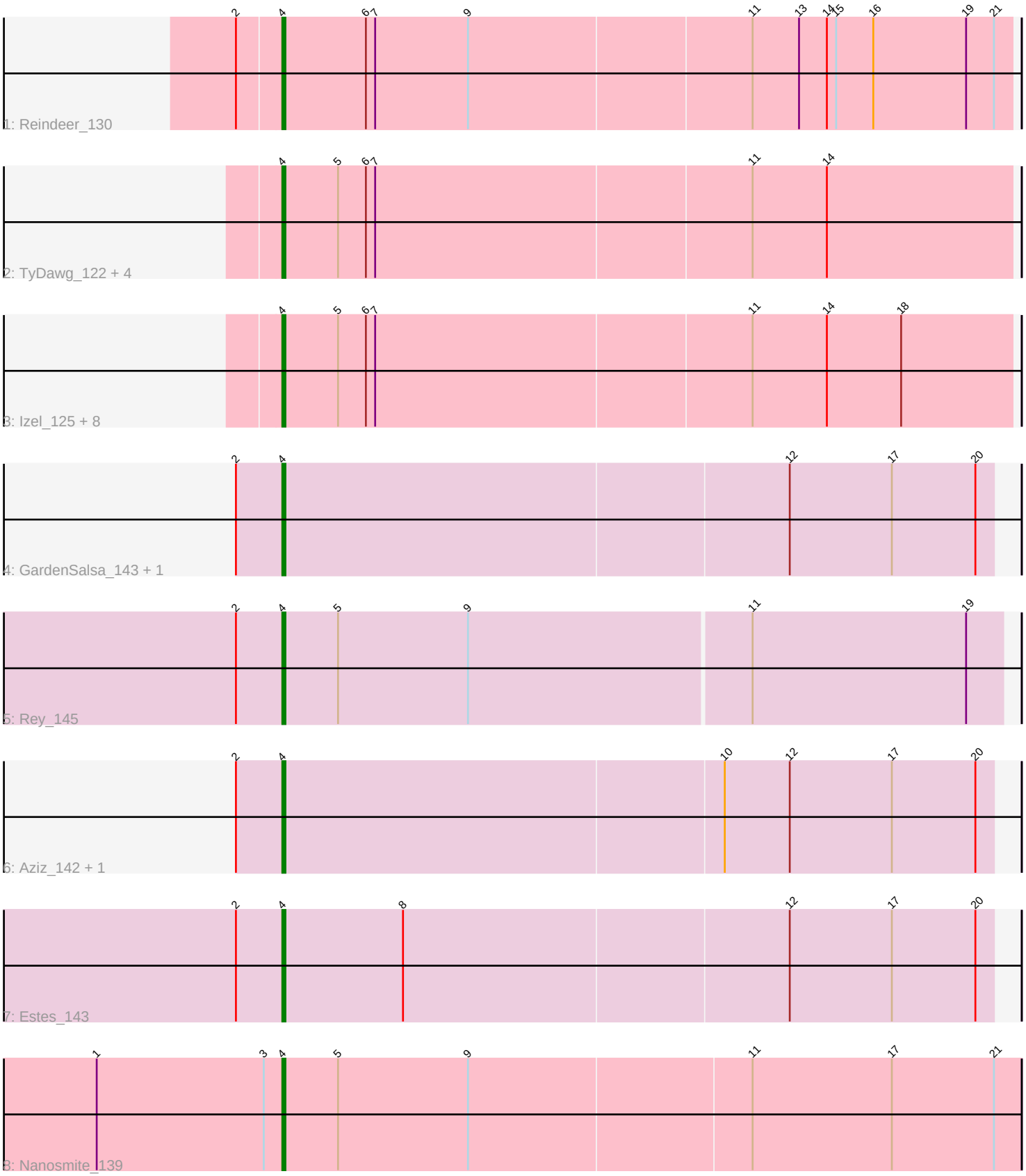
Pham 198409


2
4
6
7
9
11
13
14
15
16
19
21
1: Reindeer_130
4
5
6
7
11
14
2: TyDawg_122 + 4
4
5
6
7
11
14
18
3: Izel_125 + 8
2
4
12
17
20
4: GardenSalsa_143 + 1
2
4
5
9
11
19
5: Rey_145
2
4
10
12
17
20
6: Aziz_142 + 1
2
4
8
12
17
20
7: Estes_143
1
3
4
5
9
11
17
21
8: Nanosmite_139

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 198409 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198409 has 22 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Reindeer_130
• Track 2 : TyDawg_122, Auspice_127, Bongo_126, Bricole_129, IPhane7_125
• Track 3 : Izel_125, Glaske16_129, LilhomieP_127, Dulcita_127, FreakyGoo_125, Skinny_133, PegLeg_130, Diminimus_127, SlimJimmy_126
• Track 4 : GardenSalsa_143, MrMagoo_145
• Track 5 : Rey_145
• Track 6 : Aziz_142, GenevaB15_145
• Track 7 : Estes_143
• Track 8 : Nanosmite_139

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_127, Aziz_142, Bongo_126, Bricole_129, Diminimus_127, Dulcita_127, Estes_143, FreakyGoo_125, GardenSalsa_143, GenevaB15_145, Glaske16_129, IPhane7_125, Izel_125, LilhomieP_127, MrMagoo_145, Nanosmite_139, PegLeg_130, Reindeer_130, Rey_145, Skinny_133, SlimJimmy_126, TyDawg_122,

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 22 of 22 (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_127 (M1), Aziz_142 (M2), Bongo_126 (M1), Bricole_129 (M1), Diminimus_127 (M1), Dulcita_127 (M1), Estes_143 (M2), FreakyGoo_125 (M1), GardenSalsa_143 (M2), GenevaB15_145 (M2), Glaske16_129 (M1), IPhane7_125 (M1), Izel_125 (M1), LilhomieP_127 (M1), MrMagoo_145 (M2), Nanosmite_139 (M3), PegLeg_130 (M1), Reindeer_130 (M1), Rey_145 (M2), Skinny_133 (M1), SlimJimmy_126 (M1), TyDawg_122 (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_127 Start: 66745, Stop: 66978, Start Num: 4
Candidate Starts for Auspice_127:
(Start: 4 @66745 has 20 MA's), (5, 66763), (6, 66772), (7, 66775), (11, 66895), (14, 66919),

Gene: Aziz_142 Start: 67993, Stop: 68220, Start Num: 4
Candidate Starts for Aziz_142:
(2, 67978), (Start: 4 @67993 has 20 MA's), (10, 68134), (12, 68155), (17, 68188), (20, 68215),

Gene: Bongo_126 Start: 66361, Stop: 66594, Start Num: 4
Candidate Starts for Bongo_126:
(Start: 4 @66361 has 20 MA's), (5, 66379), (6, 66388), (7, 66391), (11, 66511), (14, 66535),

Gene: Bricole_129 Start: 66509, Stop: 66742, Start Num: 4
Candidate Starts for Bricole_129:
(Start: 4 @66509 has 20 MA's), (5, 66527), (6, 66536), (7, 66539), (11, 66659), (14, 66683),

Gene: Diminimus_127 Start: 66177, Stop: 66410, Start Num: 4
Candidate Starts for Diminimus_127:
(Start: 4 @66177 has 20 MA's), (5, 66195), (6, 66204), (7, 66207), (11, 66327), (14, 66351), (18, 66375),

Gene: Dulcita_127 Start: 66178, Stop: 66411, Start Num: 4
Candidate Starts for Dulcita_127:
(Start: 4 @66178 has 20 MA's), (5, 66196), (6, 66205), (7, 66208), (11, 66328), (14, 66352), (18, 66376),

Gene: Estes_143 Start: 68165, Stop: 68392, Start Num: 4
Candidate Starts for Estes_143:
(2, 68150), (Start: 4 @68165 has 20 MA's), (8, 68204), (12, 68327), (17, 68360), (20, 68387),

Gene: FreakyGoo_125 Start: 66662, Stop: 66895, Start Num: 4
Candidate Starts for FreakyGoo_125:
(Start: 4 @66662 has 20 MA's), (5, 66680), (6, 66689), (7, 66692), (11, 66812), (14, 66836), (18, 66860),

Gene: GardenSalsa_143 Start: 68335, Stop: 68562, Start Num: 4
Candidate Starts for GardenSalsa_143:
(2, 68320), (Start: 4 @68335 has 20 MA's), (12, 68497), (17, 68530), (20, 68557),

Gene: GenevaB15_145 Start: 67993, Stop: 68220, Start Num: 4
Candidate Starts for GenevaB15_145:
(2, 67978), (Start: 4 @67993 has 20 MA's), (10, 68134), (12, 68155), (17, 68188), (20, 68215),

Gene: Glaske16_129 Start: 67296, Stop: 67529, Start Num: 4
Candidate Starts for Glaske16_129:
(Start: 4 @67296 has 20 MA's), (5, 67314), (6, 67323), (7, 67326), (11, 67446), (14, 67470), (18, 67494),

Gene: IPhane7_125 Start: 66361, Stop: 66594, Start Num: 4
Candidate Starts for IPhane7_125:
(Start: 4 @66361 has 20 MA's), (5, 66379), (6, 66388), (7, 66391), (11, 66511), (14, 66535),

Gene: Izel_125 Start: 66177, Stop: 66410, Start Num: 4
Candidate Starts for Izel_125:
(Start: 4 @66177 has 20 MA's), (5, 66195), (6, 66204), (7, 66207), (11, 66327), (14, 66351), (18, 66375),

Gene: LilhomieP_127 Start: 67639, Stop: 67872, Start Num: 4
Candidate Starts for LilhomieP_127:
(Start: 4 @67639 has 20 MA's), (5, 67657), (6, 67666), (7, 67669), (11, 67789), (14, 67813), (18, 67837),

Gene: MrMagoo_145 Start: 68336, Stop: 68563, Start Num: 4
Candidate Starts for MrMagoo_145:
(2, 68321), (Start: 4 @68336 has 20 MA's), (12, 68498), (17, 68531), (20, 68558),

Gene: Nanosmite_139 Start: 68420, Stop: 68656, Start Num: 4
Candidate Starts for Nanosmite_139:
(1, 68360), (3, 68414), (Start: 4 @68420 has 20 MA's), (5, 68438), (9, 68480), (11, 68570), (17, 68615), (21, 68648),

Gene: PegLeg_130 Start: 67523, Stop: 67756, Start Num: 4
Candidate Starts for PegLeg_130:
(Start: 4 @67523 has 20 MA's), (5, 67541), (6, 67550), (7, 67553), (11, 67673), (14, 67697), (18, 67721),

Gene: Reindeer_130 Start: 68776, Stop: 69009, Start Num: 4
Candidate Starts for Reindeer_130:
(2, 68764), (Start: 4 @68776 has 20 MA's), (6, 68803), (7, 68806), (9, 68836), (11, 68926), (13, 68941), (14, 68950), (15, 68953), (16, 68965), (19, 68995), (21, 69004),

Gene: Rey_145 Start: 67870, Stop: 68100, Start Num: 4

Candidate Starts for Rey_145:
(2, 67855), (Start: 4 @67870 has 20 MA's), (5, 67888), (9, 67930), (11, 68020), (19, 68089),

Gene: Skinny_133 Start: 68640, Stop: 68873, Start Num: 4
Candidate Starts for Skinny_133:
(Start: 4 @68640 has 20 MA's), (5, 68658), (6, 68667), (7, 68670), (11, 68790), (14, 68814), (18, 68838),

Gene: SlimJimmy_126 Start: 67349, Stop: 67582, Start Num: 4
Candidate Starts for SlimJimmy_126:
(Start: 4 @67349 has 20 MA's), (5, 67367), (6, 67376), (7, 67379), (11, 67499), (14, 67523), (18, 67547),

Gene: TyDawg_122 Start: 66364, Stop: 66597, Start Num: 4
Candidate Starts for TyDawg_122:
(Start: 4 @66364 has 20 MA's), (5, 66382), (6, 66391), (7, 66394), (11, 66514), (14, 66538),