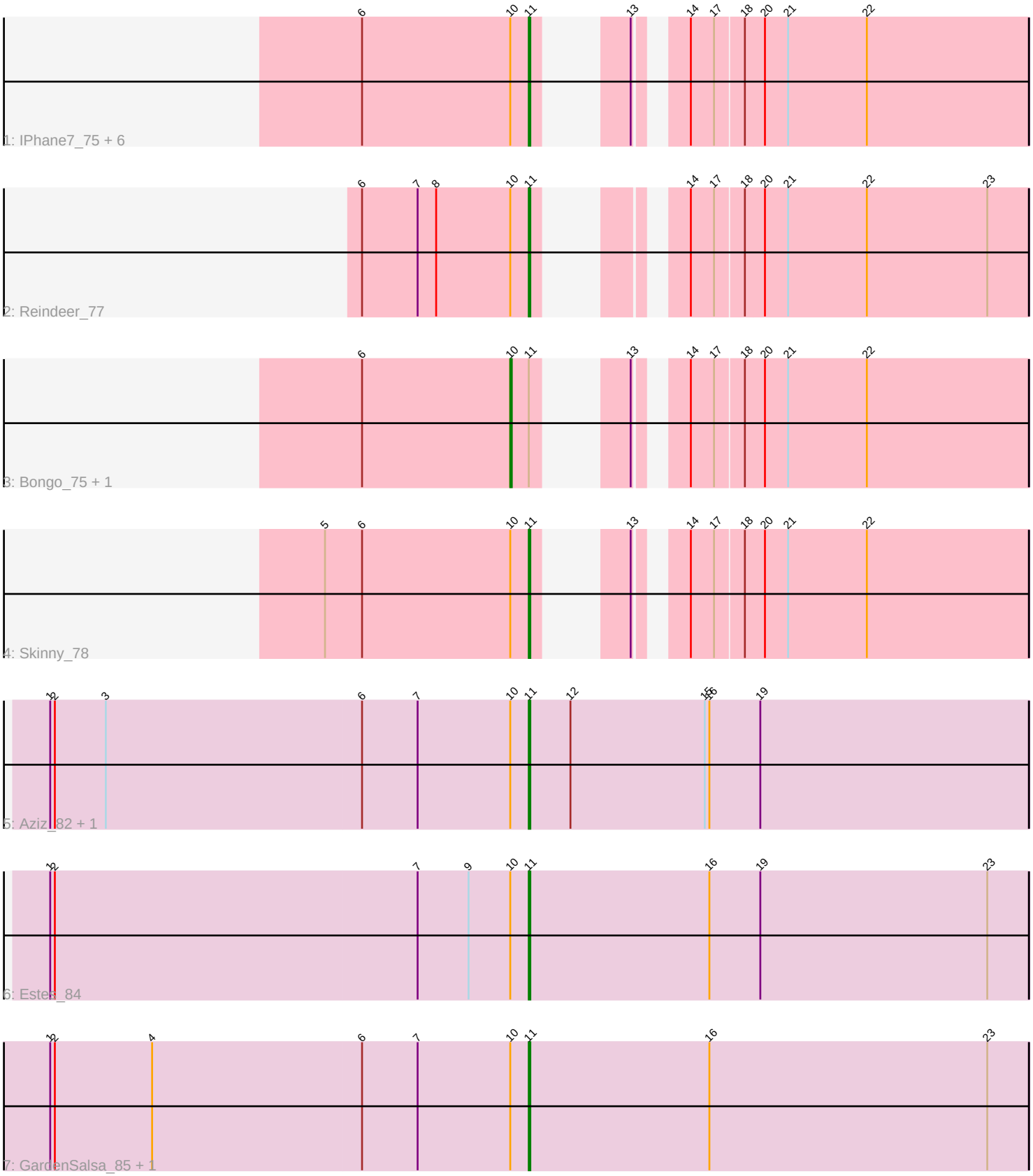
Pham 4952


6 10 11 13 14 17 18 20 21 22
1: IPhane7_75 + 6
6 7 8 10 11 14 17 18 20 21 22 23
2: Reindeer_77
6 10 11 13 14 17 18 20 21 22
3: Bongo_75 + 1
5 6 10 11 13 14 17 18 20 21 22
4: Skinny_78
1 2 3 6 7 10 11 12 15 16 19
5: Aziz_82 + 1
1 2 7 9 10 11 16 19 23
6: Estee_84
1 2 4 6 7 10 11 16 23
7: GardenSalsa_85 + 1

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 4952 Report

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

Pham number 4952 has 16 members, 0 are drafts.

Phages represented in each track:
• Track 1 : IPhane7_75, Glaske16_77, Diminimus_76, Auspice_75, LilhomieP_75, Dulcita_76, PegLeg_74
• Track 2 : Reindeer_77
• Track 3 : Bongo_75, TyDawg_75
• Track 4 : Skinny_78
• Track 5 : Aziz_82, GenevaB15_84
• Track 6 : Estes_84
• Track 7 : GardenSalsa_85, MrMagoo_85

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

The start number called the most often in the published annotations is 11, it was called in 14 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Auspice_75, Aziz_82, Diminimus_76, Dulcita_76, Estes_84, GardenSalsa_85, GenevaB15_84, Glaske16_77, IPhane7_75, LilhomieP_75, MrMagoo_85, PegLeg_74, Reindeer_77, Skinny_78,

Genes that have the "Most Annotated" start but do not call it:
• Bongo_75, TyDawg_75,

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

Summary by start number:

Start 10:
• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 16
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Bongo_75 (M1), TyDawg_75 (M1),

Start 11:

• Found in 16 of 16 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 16
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Auspice_75 (M1), Aziz_82 (M2), Diminimus_76 (M1), Dulcita_76 (M1), Estes_84 (M2), GardenSalsa_85 (M2), GenevaB15_84 (M2), Glaske16_77 (M1), IPhane7_75 (M1), LilhomieP_75 (M1), MrMagoo_85 (M2), PegLeg_74 (M1), Reindeer_77 (M1), Skinny_78 (M1),

Summary by clusters:

There are 2 clusters represented in this pham: M1, M2,

Info for manual annotations of cluster M1:
•Start number 10 was manually annotated 2 times for cluster M1.
•Start number 11 was manually annotated 9 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 11 was manually annotated 5 times for cluster M2.

Gene Information:

Gene: Auspice_75 Start: 48668, Stop: 48931, Start Num: 11
Candidate Starts for Auspice_75:
(6, 48560), (Start: 10 @48656 has 2 MA's), (Start: 11 @48668 has 14 MA's), (13, 48695), (14, 48716), (17, 48731), (18, 48749), (20, 48761), (21, 48776), (22, 48827),

Gene: Aziz_82 Start: 50724, Stop: 51047, Start Num: 11
Candidate Starts for Aziz_82:
(1, 50415), (2, 50418), (3, 50451), (6, 50616), (7, 50652), (Start: 10 @50712 has 2 MA's), (Start: 11 @50724 has 14 MA's), (12, 50751), (15, 50838), (16, 50841), (19, 50874),

Gene: Bongo_75 Start: 48660, Stop: 48935, Start Num: 10
Candidate Starts for Bongo_75:
(6, 48564), (Start: 10 @48660 has 2 MA's), (Start: 11 @48672 has 14 MA's), (13, 48699), (14, 48720), (17, 48735), (18, 48753), (20, 48765), (21, 48780), (22, 48831),

Gene: Diminimus_76 Start: 48667, Stop: 48930, Start Num: 11
Candidate Starts for Diminimus_76:
(6, 48559), (Start: 10 @48655 has 2 MA's), (Start: 11 @48667 has 14 MA's), (13, 48694), (14, 48715), (17, 48730), (18, 48748), (20, 48760), (21, 48775), (22, 48826),

Gene: Dulcita_76 Start: 48668, Stop: 48931, Start Num: 11
Candidate Starts for Dulcita_76:
(6, 48560), (Start: 10 @48656 has 2 MA's), (Start: 11 @48668 has 14 MA's), (13, 48695), (14, 48716), (17, 48731), (18, 48749), (20, 48761), (21, 48776), (22, 48827),

Gene: Estes_84 Start: 51071, Stop: 51394, Start Num: 11
Candidate Starts for Estes_84:
(1, 50762), (2, 50765), (7, 50999), (9, 51032), (Start: 10 @51059 has 2 MA's), (Start: 11 @51071 has 14 MA's), (16, 51188), (19, 51221), (23, 51368),

Gene: GardenSalsa_85 Start: 51275, Stop: 51598, Start Num: 11
Candidate Starts for GardenSalsa_85:
(1, 50966), (2, 50969), (4, 51032), (6, 51167), (7, 51203), (Start: 10 @51263 has 2 MA's), (Start: 11 @51275 has 14 MA's), (16, 51392), (23, 51572),

Gene: GenevaB15_84 Start: 50724, Stop: 51047, Start Num: 11
Candidate Starts for GenevaB15_84:
(1, 50415), (2, 50418), (3, 50451), (6, 50616), (7, 50652), (Start: 10 @50712 has 2 MA's), (Start: 11 @50724 has 14 MA's), (12, 50751), (15, 50838), (16, 50841), (19, 50874),

Gene: Glaske16_77 Start: 49146, Stop: 49409, Start Num: 11
Candidate Starts for Glaske16_77:
(6, 49038), (Start: 10 @49134 has 2 MA's), (Start: 11 @49146 has 14 MA's), (13, 49173), (14, 49194), (17, 49209), (18, 49227), (20, 49239), (21, 49254), (22, 49305),

Gene: IPhane7_75 Start: 48672, Stop: 48935, Start Num: 11
Candidate Starts for IPhane7_75:
(6, 48564), (Start: 10 @48660 has 2 MA's), (Start: 11 @48672 has 14 MA's), (13, 48699), (14, 48720), (17, 48735), (18, 48753), (20, 48765), (21, 48780), (22, 48831),

Gene: LilhomieP_75 Start: 49151, Stop: 49414, Start Num: 11
Candidate Starts for LilhomieP_75:
(6, 49043), (Start: 10 @49139 has 2 MA's), (Start: 11 @49151 has 14 MA's), (13, 49178), (14, 49199), (17, 49214), (18, 49232), (20, 49244), (21, 49259), (22, 49310),

Gene: MrMagoo_85 Start: 51275, Stop: 51598, Start Num: 11
Candidate Starts for MrMagoo_85:
(1, 50966), (2, 50969), (4, 51032), (6, 51167), (7, 51203), (Start: 10 @51263 has 2 MA's), (Start: 11 @51275 has 14 MA's), (16, 51392), (23, 51572),

Gene: PegLeg_74 Start: 48412, Stop: 48675, Start Num: 11
Candidate Starts for PegLeg_74:
(6, 48304), (Start: 10 @48400 has 2 MA's), (Start: 11 @48412 has 14 MA's), (13, 48439), (14, 48460), (17, 48475), (18, 48493), (20, 48505), (21, 48520), (22, 48571),

Gene: Reindeer_77 Start: 49804, Stop: 50067, Start Num: 11
Candidate Starts for Reindeer_77:
(6, 49696), (7, 49732), (8, 49744), (Start: 10 @49792 has 2 MA's), (Start: 11 @49804 has 14 MA's), (14, 49852), (17, 49867), (18, 49885), (20, 49897), (21, 49912), (22, 49963), (23, 50041),

Gene: Skinny_78 Start: 49580, Stop: 49843, Start Num: 11
Candidate Starts for Skinny_78:
(5, 49448), (6, 49472), (Start: 10 @49568 has 2 MA's), (Start: 11 @49580 has 14 MA's), (13, 49607), (14, 49628), (17, 49643), (18, 49661), (20, 49673), (21, 49688), (22, 49739),

Gene: TyDawg_75 Start: 48660, Stop: 48935, Start Num: 10
Candidate Starts for TyDawg_75:
(6, 48564), (Start: 10 @48660 has 2 MA's), (Start: 11 @48672 has 14 MA's), (13, 48699), (14, 48720), (17, 48735), (18, 48753), (20, 48765), (21, 48780), (22, 48831),