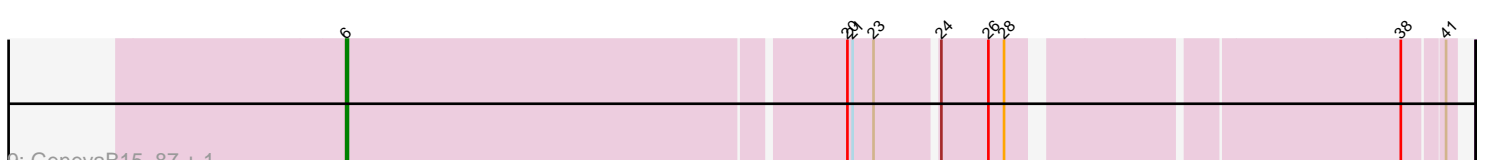
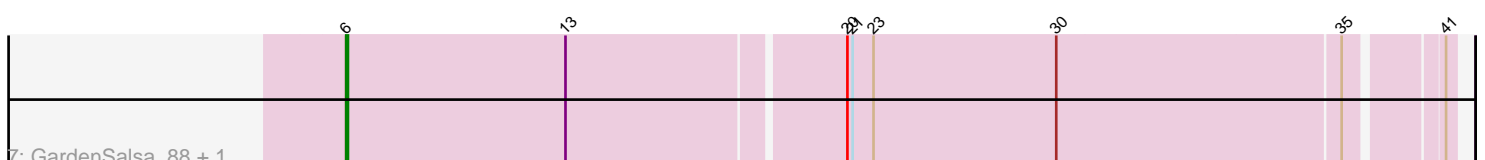
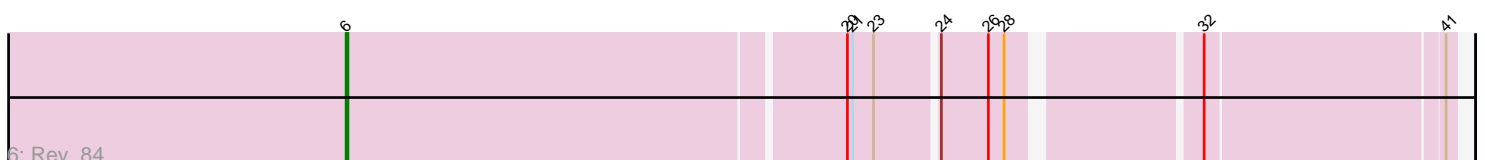
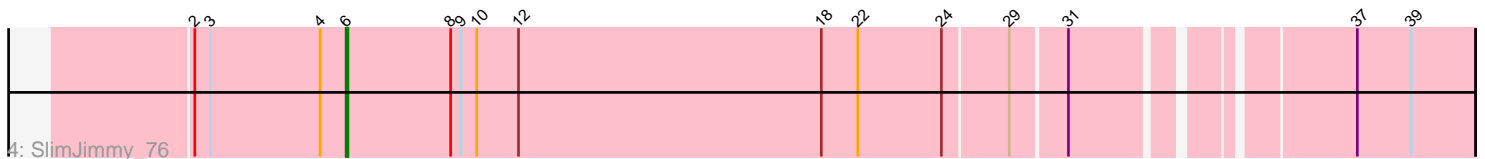
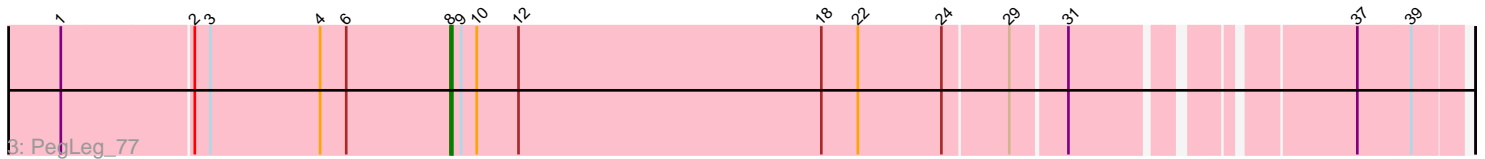
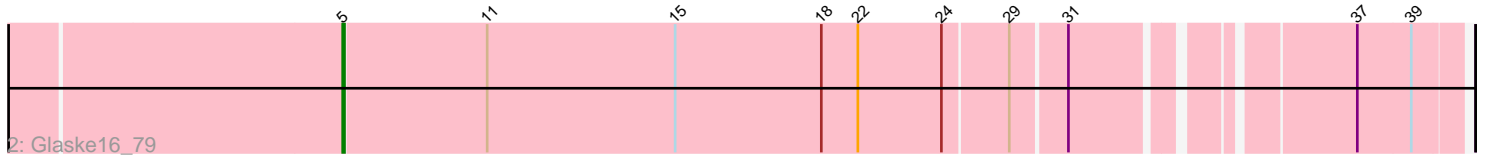
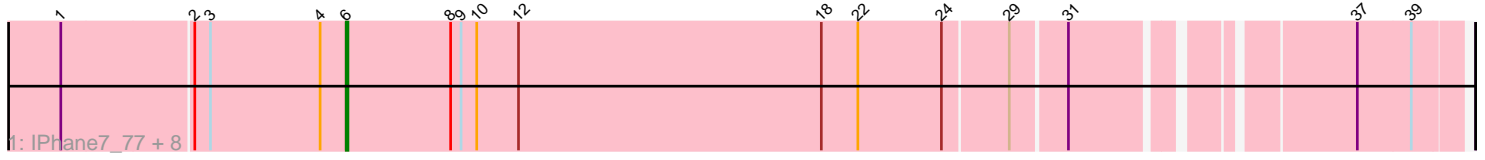


Pham 196845



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 196845 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196845 has 20 members, 0 are drafts.

Phages represented in each track:

- Track 1 : IPhane7_77, Auspice_78, Bongo_78, TyDawg_78, Skinny_81, Bricole_76, Diminimus_79, Dulcita_79, LilhomieP_78
- Track 2 : Glaske16_79
- Track 3 : PegLeg_77
- Track 4 : SlimJimmy_76
- Track 5 : Reindeer_79
- Track 6 : Rey_84
- Track 7 : GardenSalsa_88, MrMagoo_88
- Track 8 : Estes_87
- Track 9 : GenevaB15_87, Aziz_85
- Track 10 : Nanosmite_83

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

The start number called the most often in the published annotations is 6, it was called in 18 of the 20 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Auspice_78, Aziz_85, Bongo_78, Bricole_76, Diminimus_79, Dulcita_79, Estes_87, GardenSalsa_88, GenevaB15_87, IPhane7_77, LilhomieP_78, MrMagoo_88, Nanosmite_83, Reindeer_79, Rey_84, Skinny_81, SlimJimmy_76, TyDawg_78,

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

- PegLeg_77,

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

- Glaske16_79,

Summary by start number:

Start 5:

- Found in 1 of 20 (5.0%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Glaske16_79 (M1),

Start 6:

- Found in 19 of 20 (95.0%) of genes in pham
- Manual Annotations of this start: 18 of 20
- Called 94.7% of time when present
- Phage (with cluster) where this start called: Auspice_78 (M1), Aziz_85 (M2), Bongo_78 (M1), Bricole_76 (M1), Diminimus_79 (M1), Dulcita_79 (M1), Estes_87 (M2), GardenSalsa_88 (M2), GenevaB15_87 (M2), IPhane7_77 (M1), LilhomieP_78 (M1), MrMagoo_88 (M2), Nanosmite_83 (M3), Reindeer_79 (M1), Rey_84 (M2), Skinny_81 (M1), SlimJimmy_76 (M1), TyDawg_78 (M1),

Start 8:

- Found in 11 of 20 (55.0%) of genes in pham
- Manual Annotations of this start: 1 of 20
- Called 9.1% of time when present
- Phage (with cluster) where this start called: PegLeg_77 (M1),

Summary by clusters:

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

Info for manual annotations of cluster M1:

- Start number 5 was manually annotated 1 time for cluster M1.
- Start number 6 was manually annotated 11 times for cluster M1.
- Start number 8 was manually annotated 1 time for cluster M1.

Info for manual annotations of cluster M2:

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

Info for manual annotations of cluster M3:

- Start number 6 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: Auspice_78 Start: 49587, Stop: 50189, Start Num: 6

Candidate Starts for Auspice_78:

(1, 49428), (2, 49500), (3, 49509), (4, 49572), (Start: 6 @49587 has 18 MA's), (Start: 8 @49647 has 1 MA's), (9, 49653), (10, 49662), (12, 49686), (18, 49860), (22, 49881), (24, 49929), (29, 49965), (31, 49995), (37, 50133), (39, 50163),

Gene: Aziz_85 Start: 51504, Stop: 52097, Start Num: 6

Candidate Starts for Aziz_85:

(Start: 6 @51504 has 18 MA's), (20, 51783), (21, 51786), (23, 51798), (24, 51831), (26, 51858), (28, 51867), (38, 52071), (41, 52092),

Gene: Bongo_78 Start: 49591, Stop: 50193, Start Num: 6

Candidate Starts for Bongo_78:

(1, 49432), (2, 49504), (3, 49513), (4, 49576), (Start: 6 @49591 has 18 MA's), (Start: 8 @49651 has 1 MA's), (9, 49657), (10, 49666), (12, 49690), (18, 49864), (22, 49885), (24, 49933), (29, 49969), (31, 49999), (37, 50137), (39, 50167),

Gene: Bricole_76 Start: 49076, Stop: 49687, Start Num: 6

Candidate Starts for Bricole_76:

(1, 48917), (2, 48989), (3, 48998), (4, 49061), (Start: 6 @49076 has 18 MA's), (Start: 8 @49136 has 1 MA's), (9, 49142), (10, 49151), (12, 49175), (18, 49349), (22, 49370), (24, 49418), (29, 49454), (31, 49484), (37, 49622), (39, 49652),

Gene: Diminimus_79 Start: 49586, Stop: 50188, Start Num: 6

Candidate Starts for Diminimus_79:

(1, 49427), (2, 49499), (3, 49508), (4, 49571), (Start: 6 @49586 has 18 MA's), (Start: 8 @49646 has 1 MA's), (9, 49652), (10, 49661), (12, 49685), (18, 49859), (22, 49880), (24, 49928), (29, 49964), (31, 49994), (37, 50132), (39, 50162),

Gene: Dulcita_79 Start: 49587, Stop: 50189, Start Num: 6

Candidate Starts for Dulcita_79:

(1, 49428), (2, 49500), (3, 49509), (4, 49572), (Start: 6 @49587 has 18 MA's), (Start: 8 @49647 has 1 MA's), (9, 49653), (10, 49662), (12, 49686), (18, 49860), (22, 49881), (24, 49929), (29, 49965), (31, 49995), (37, 50133), (39, 50163),

Gene: Estes_87 Start: 51851, Stop: 52453, Start Num: 6

Candidate Starts for Estes_87:

(Start: 6 @51851 has 18 MA's), (14, 52001), (18, 52124), (22, 52145), (24, 52193), (27, 52226), (33, 52325), (41, 52448),

Gene: GardenSalsa_88 Start: 52055, Stop: 52666, Start Num: 6

Candidate Starts for GardenSalsa_88:

(Start: 6 @52055 has 18 MA's), (13, 52181), (20, 52334), (21, 52337), (23, 52349), (30, 52454), (35, 52613), (41, 52661),

Gene: GenevaB15_87 Start: 51504, Stop: 52097, Start Num: 6

Candidate Starts for GenevaB15_87:

(Start: 6 @51504 has 18 MA's), (20, 51783), (21, 51786), (23, 51798), (24, 51831), (26, 51858), (28, 51867), (38, 52071), (41, 52092),

Gene: Glaske16_79 Start: 49651, Stop: 50253, Start Num: 5

Candidate Starts for Glaske16_79:

(Start: 5 @49651 has 1 MA's), (11, 49732), (15, 49840), (18, 49924), (22, 49945), (24, 49993), (29, 50029), (31, 50059), (37, 50197), (39, 50227),

Gene: IPhane7_77 Start: 49591, Stop: 50193, Start Num: 6

Candidate Starts for IPhane7_77:

(1, 49432), (2, 49504), (3, 49513), (4, 49576), (Start: 6 @49591 has 18 MA's), (Start: 8 @49651 has 1 MA's), (9, 49657), (10, 49666), (12, 49690), (18, 49864), (22, 49885), (24, 49933), (29, 49969), (31, 49999), (37, 50137), (39, 50167),

Gene: LilhomieP_78 Start: 50070, Stop: 50672, Start Num: 6

Candidate Starts for LilhomieP_78:

(1, 49911), (2, 49983), (3, 49992), (4, 50055), (Start: 6 @50070 has 18 MA's), (Start: 8 @50130 has 1 MA's), (9, 50136), (10, 50145), (12, 50169), (18, 50343), (22, 50364), (24, 50412), (29, 50448), (31, 50478), (37, 50616), (39, 50646),

Gene: MrMagoo_88 Start: 52055, Stop: 52666, Start Num: 6

Candidate Starts for MrMagoo_88:

(Start: 6 @52055 has 18 MA's), (13, 52181), (20, 52334), (21, 52337), (23, 52349), (30, 52454), (35, 52613), (41, 52661),

Gene: Nanosmite_83 Start: 51032, Stop: 51622, Start Num: 6

Candidate Starts for Nanosmite_83:

(Start: 6 @51032 has 18 MA's), (9, 51098), (10, 51107), (12, 51128), (14, 51179), (17, 51299), (18, 51302), (22, 51323), (34, 51509),

Gene: PegLeg_77 Start: 49391, Stop: 49933, Start Num: 8

Candidate Starts for PegLeg_77:

(1, 49172), (2, 49244), (3, 49253), (4, 49316), (Start: 6 @49331 has 18 MA's), (Start: 8 @49391 has 1 MA's), (9, 49397), (10, 49406), (12, 49430), (18, 49604), (22, 49625), (24, 49673), (29, 49709), (31, 49739), (37, 49877), (39, 49907),

Gene: Reindeer_79 Start: 50345, Stop: 50923, Start Num: 6

Candidate Starts for Reindeer_79:

(Start: 6 @50345 has 18 MA's), (7, 50363), (16, 50600), (18, 50609), (19, 50621), (20, 50624), (23, 50639), (25, 50693), (30, 50720), (36, 50864), (40, 50906), (41, 50918),

Gene: Rey_84 Start: 51185, Stop: 51778, Start Num: 6

Candidate Starts for Rey_84:

(Start: 6 @51185 has 18 MA's), (20, 51464), (21, 51467), (23, 51479), (24, 51512), (26, 51539), (28, 51548), (32, 51644), (41, 51773),

Gene: Skinny_81 Start: 50499, Stop: 51101, Start Num: 6

Candidate Starts for Skinny_81:

(1, 50340), (2, 50412), (3, 50421), (4, 50484), (Start: 6 @50499 has 18 MA's), (Start: 8 @50559 has 1 MA's), (9, 50565), (10, 50574), (12, 50598), (18, 50772), (22, 50793), (24, 50841), (29, 50877), (31, 50907), (37, 51045), (39, 51075),

Gene: SlimJimmy_76 Start: 49649, Stop: 50260, Start Num: 6

Candidate Starts for SlimJimmy_76:

(2, 49562), (3, 49571), (4, 49634), (Start: 6 @49649 has 18 MA's), (Start: 8 @49709 has 1 MA's), (9, 49715), (10, 49724), (12, 49748), (18, 49922), (22, 49943), (24, 49991), (29, 50027), (31, 50057), (37, 50195), (39, 50225),

Gene: TyDawg_78 Start: 49591, Stop: 50193, Start Num: 6

Candidate Starts for TyDawg_78:

(1, 49432), (2, 49504), (3, 49513), (4, 49576), (Start: 6 @49591 has 18 MA's), (Start: 8 @49651 has 1 MA's), (9, 49657), (10, 49666), (12, 49690), (18, 49864), (22, 49885), (24, 49933), (29, 49969), (31, 49999), (37, 50137), (39, 50167),