

Pham 5446



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 5446 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5446 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Abt2graduatex2_69
- Track 2 : Mischief19_77
- Track 3 : Asis_70, TP1604_69, Maih_68, BayC_69, BabyGotBac_70, Salete_69
- Track 4 : Xkcd426_76
- Track 5 : YDN12_70
- Track 6 : RainyPolka_68

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

The start number called the most often in the published annotations is 10, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abt2graduatex2_69, Asis_70, BabyGotBac_70, BayC_69, Maih_68, RainyPolka_68, Salete_69, TP1604_69, YDN12_70,

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

-

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

- Mischief19_77, Xkcd426_76,

Summary by start number:

Start 10:

- Found in 9 of 11 (81.8%) of genes in pham
- Manual Annotations of this start: 8 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abt2graduatex2_69 (BG), Asis_70 (BG), BabyGotBac_70 (BG), BayC_69 (BG), Maih_68 (BG), RainyPolka_68 (BG), Salete_69 (BG), TP1604_69 (BG), YDN12_70 (BG),

Start 12:

- Found in 8 of 11 (72.7%) of genes in pham

- Manual Annotations of this start: 2 of 10
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Mischief19_77 (BG), Xkcd426_76 (BG),

Summary by clusters:

There is one cluster represented in this pham: BG

Info for manual annotations of cluster BG:

- Start number 10 was manually annotated 8 times for cluster BG.
- Start number 12 was manually annotated 2 times for cluster BG.

Gene Information:

Gene: Abt2graduatex2_69 Start: 53470, Stop: 54465, Start Num: 10

Candidate Starts for Abt2graduatex2_69:

(Start: 10 @53470 has 8 MA's), (11, 53479), (13, 53497), (14, 53524), (15, 53527), (17, 53542), (18, 53548), (20, 53581), (21, 53587), (23, 53626), (26, 53668), (28, 53689), (30, 53710), (31, 53725), (34, 53743), (35, 53767), (39, 53794), (40, 53797), (41, 53812), (42, 53818), (43, 53863), (45, 53881), (46, 53980), (52, 54091), (53, 54106), (55, 54130), (59, 54271), (60, 54274), (62, 54322), (63, 54328), (64, 54337), (65, 54355), (68, 54412), (69, 54415), (70, 54430), (71, 54448),

Gene: Asis_70 Start: 53361, Stop: 54377, Start Num: 10

Candidate Starts for Asis_70:

(5, 53151), (6, 53187), (8, 53253), (Start: 10 @53361 has 8 MA's), (Start: 12 @53382 has 2 MA's), (13, 53388), (17, 53433), (19, 53442), (20, 53472), (21, 53478), (23, 53517), (26, 53559), (27, 53571), (28, 53580), (30, 53601), (31, 53616), (34, 53634), (39, 53685), (40, 53688), (41, 53703), (42, 53709), (46, 53871), (52, 53982), (53, 53997), (54, 54030), (60, 54186), (61, 54207), (62, 54234), (63, 54240), (64, 54249), (65, 54267), (68, 54324), (69, 54327), (70, 54342), (71, 54360),

Gene: BabyGotBac_70 Start: 53287, Stop: 54303, Start Num: 10

Candidate Starts for BabyGotBac_70:

(5, 53077), (6, 53113), (8, 53179), (Start: 10 @53287 has 8 MA's), (Start: 12 @53308 has 2 MA's), (13, 53314), (17, 53359), (19, 53368), (20, 53398), (21, 53404), (23, 53443), (26, 53485), (27, 53497), (28, 53506), (30, 53527), (31, 53542), (34, 53560), (39, 53611), (40, 53614), (41, 53629), (42, 53635), (46, 53797), (52, 53908), (53, 53923), (54, 53956), (60, 54112), (61, 54133), (62, 54160), (63, 54166), (64, 54175), (65, 54193), (68, 54250), (69, 54253), (70, 54268), (71, 54286),

Gene: BayC_69 Start: 53365, Stop: 54381, Start Num: 10

Candidate Starts for BayC_69:

(5, 53155), (6, 53191), (8, 53257), (Start: 10 @53365 has 8 MA's), (Start: 12 @53386 has 2 MA's), (13, 53392), (17, 53437), (19, 53446), (20, 53476), (21, 53482), (23, 53521), (26, 53563), (27, 53575), (28, 53584), (30, 53605), (31, 53620), (34, 53638), (39, 53689), (40, 53692), (41, 53707), (42, 53713), (46, 53875), (52, 53986), (53, 54001), (54, 54034), (60, 54190), (61, 54211), (62, 54238), (63, 54244), (64, 54253), (65, 54271), (68, 54328), (69, 54331), (70, 54346), (71, 54364),

Gene: Maih_68 Start: 53378, Stop: 54394, Start Num: 10

Candidate Starts for Maih_68:

(5, 53168), (6, 53204), (8, 53270), (Start: 10 @53378 has 8 MA's), (Start: 12 @53399 has 2 MA's), (13, 53405), (17, 53450), (19, 53459), (20, 53489), (21, 53495), (23, 53534), (26, 53576), (27, 53588), (28, 53597), (30, 53618), (31, 53633), (34, 53651), (39, 53702), (40, 53705), (41, 53720), (42, 53726),

(46, 53888), (52, 53999), (53, 54014), (54, 54047), (60, 54203), (61, 54224), (62, 54251), (63, 54257),
(64, 54266), (65, 54284), (68, 54341), (69, 54344), (70, 54359), (71, 54377),

Gene: Mischief19_77 Start: 64328, Stop: 65407, Start Num: 12

Candidate Starts for Mischief19_77:

(Start: 12 @64328 has 2 MA's), (17, 64382), (21, 64427), (22, 64436), (23, 64466), (29, 64541), (31, 64565), (37, 64625), (39, 64634), (40, 64637), (41, 64652), (42, 64658), (43, 64703), (44, 64706), (46, 64832), (47, 64874), (48, 64880), (50, 64895), (58, 65204), (66, 65315), (68, 65354), (70, 65372),

Gene: RainyPolka_68 Start: 52850, Stop: 53845, Start Num: 10

Candidate Starts for RainyPolka_68:

(Start: 10 @52850 has 8 MA's), (13, 52877), (15, 52907), (17, 52922), (18, 52928), (21, 52967), (23, 53006), (24, 53009), (26, 53048), (28, 53069), (30, 53090), (31, 53105), (34, 53123), (35, 53147), (39, 53174), (40, 53177), (41, 53192), (42, 53198), (43, 53243), (45, 53261), (46, 53360), (55, 53510), (57, 53609), (60, 53654), (62, 53702), (63, 53708), (64, 53717), (65, 53735), (68, 53792), (69, 53795), (70, 53810), (71, 53828),

Gene: Salete_69 Start: 53365, Stop: 54381, Start Num: 10

Candidate Starts for Salete_69:

(5, 53155), (6, 53191), (8, 53257), (Start: 10 @53365 has 8 MA's), (Start: 12 @53386 has 2 MA's),
(13, 53392), (17, 53437), (19, 53446), (20, 53476), (21, 53482), (23, 53521), (26, 53563), (27, 53575),
(28, 53584), (30, 53605), (31, 53620), (34, 53638), (39, 53689), (40, 53692), (41, 53707), (42, 53713),
(46, 53875), (52, 53986), (53, 54001), (54, 54034), (60, 54190), (61, 54211), (62, 54238), (63, 54244),
(64, 54253), (65, 54271), (68, 54328), (69, 54331), (70, 54346), (71, 54364),

Gene: TP1604_69 Start: 53290, Stop: 54306, Start Num: 10

Candidate Starts for TP1604_69:

(5, 53080), (6, 53116), (8, 53182), (Start: 10 @53290 has 8 MA's), (Start: 12 @53311 has 2 MA's),
(13, 53317), (17, 53362), (19, 53371), (20, 53401), (21, 53407), (23, 53446), (26, 53488), (27, 53500),
(28, 53509), (30, 53530), (31, 53545), (34, 53563), (39, 53614), (40, 53617), (41, 53632), (42, 53638),
(46, 53800), (52, 53911), (53, 53926), (54, 53959), (60, 54115), (61, 54136), (62, 54163), (63, 54169),
(64, 54178), (65, 54196), (68, 54253), (69, 54256), (70, 54271), (71, 54289),

Gene: Xkcd426_76 Start: 60730, Stop: 61740, Start Num: 12

Candidate Starts for Xkcd426_76:

(7, 60592), (Start: 12 @60730 has 2 MA's), (16, 60784), (17, 60790), (27, 60928), (28, 60937), (30, 60958),
(32, 60979), (36, 61027), (38, 61039), (40, 61045), (42, 61066), (43, 61111), (46, 61228), (47, 61270),
(49, 61282), (51, 61324), (56, 61447), (64, 61609), (65, 61627), (67, 61675), (71, 61723),

Gene: YDN12_70 Start: 53059, Stop: 54099, Start Num: 10

Candidate Starts for YDN12_70:

(1, 52528), (2, 52534), (3, 52573), (4, 52630), (9, 52972), (Start: 10 @53059 has 8 MA's), (11, 53068),
(13, 53107), (17, 53152), (19, 53161), (20, 53191), (21, 53197), (23, 53236), (25, 53275), (28, 53299),
(30, 53320), (31, 53335), (33, 53350), (39, 53404), (40, 53407), (41, 53422), (42, 53428), (43, 53473),
(46, 53590), (48, 53638), (55, 53752), (60, 53908), (62, 53956), (63, 53962), (64, 53971), (65, 53989),
(68, 54046), (70, 54064), (71, 54082),