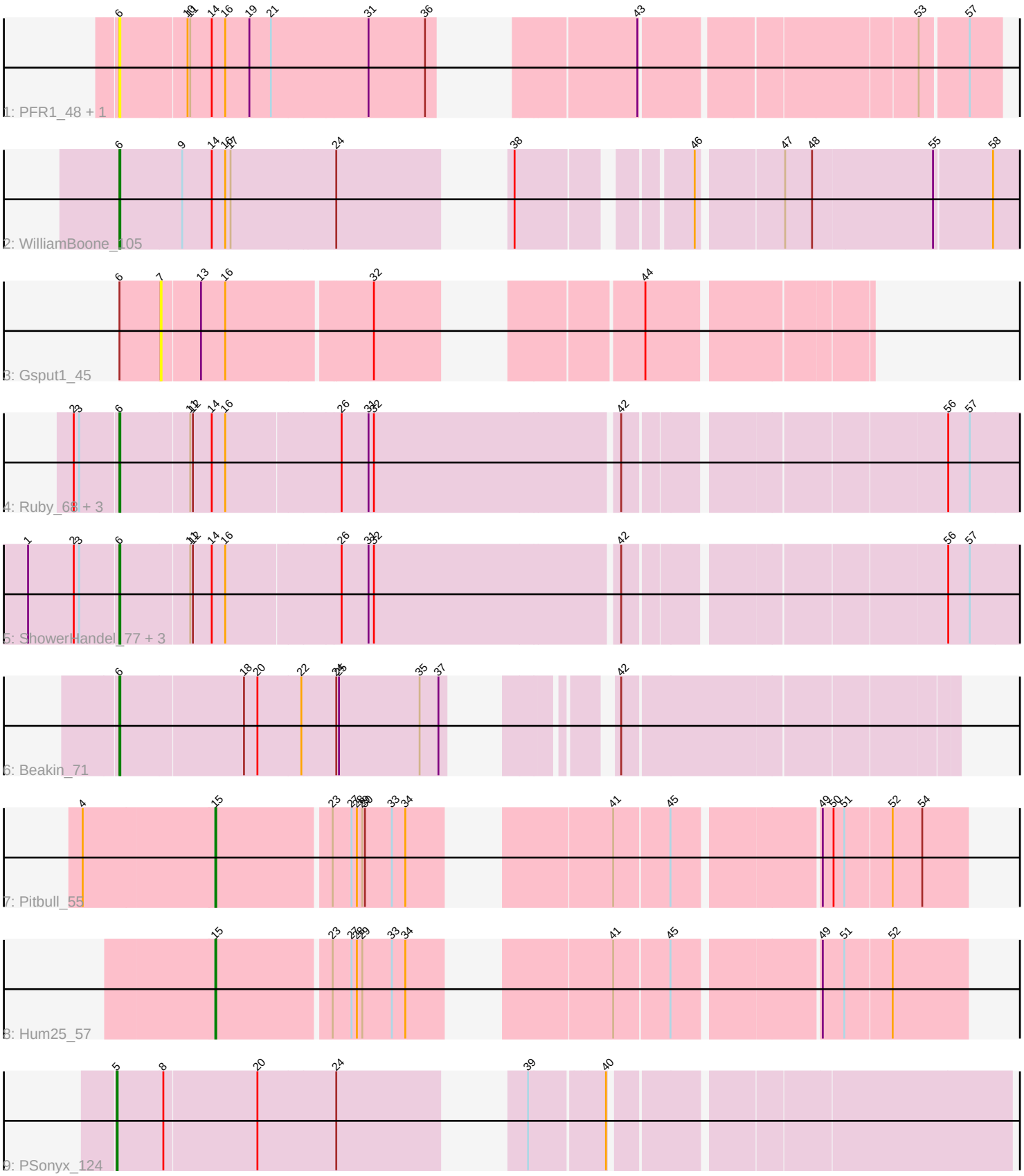
Pham 196929


1: PFR1_48 + 1
2: WilliamBoone_105
3: Gsput1_45
4: Ruby_68 + 3
5: ShowerHandel_77 + 3
6: Beakin_71
7: Pitbull_55
8: Hum25_57
9: PSonyx_124

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 196929 Report

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

Pham number 196929 has 16 members, 3 are drafts.

Phages represented in each track:
• Track 1 : PFR1_48, PFR2_50
• Track 2 : WilliamBoone_105
• Track 3 : Gsput1_45
• Track 4 : Ruby_68, Girr_70, MisterCuddles_70, Krakatau_68
• Track 5 : ShowerHandel_77, ByChance_67, Mova_73, Alexphander_75
• Track 6 : Beakin_71
• Track 7 : Pitbull_55
• Track 8 : Hum25_57
• Track 9 : PSonyx_124

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 10 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alexphander_75, Beakin_71, ByChance_67, Girr_70, Krakatau_68, MisterCuddles_70, Mova_73, PFR1_48, PFR2_50, Ruby_68, ShowerHandel_77, WilliamBoone_105,

Genes that have the "Most Annotated" start but do not call it:
• Gsput1_45,

Genes that do not have the "Most Annotated" start:
• Hum25_57, PSonyx_124, Pitbull_55,

Summary by start number:

Start 5:
• Found in 1 of 16 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PSonyx_124 (singleton),

Start 6:
• Found in 13 of 16 (81.2%) of genes in pham
• Manual Annotations of this start: 10 of 13
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Alexphander_75 (F1), Beakin_71 (F1), ByChance_67 (F1), Girr_70 (F1), Krakatau_68 (F1), MisterCuddles_70 (F1), Mova_73 (F1), PFR1_48 (BX), PFR2_50 (BX), Ruby_68 (F1), ShowerHandel_77 (F1), WilliamBoone_105 (CQ1),

Start 7:
• Found in 1 of 16 (6.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gsput1_45 (CU2),

Start 15:
• Found in 2 of 16 (12.5%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hum25_57 (FQ), Pitbull_55 (FQ),

Summary by clusters:

There are 6 clusters represented in this pham: FQ, singleton, CU2, F1, CQ1, BX,

Info for manual annotations of cluster CQ1:
•Start number 6 was manually annotated 1 time for cluster CQ1.

Info for manual annotations of cluster F1:
•Start number 6 was manually annotated 9 times for cluster F1.

Info for manual annotations of cluster FQ:
•Start number 15 was manually annotated 2 times for cluster FQ.

Gene Information:

Gene: Alexphander_75 Start: 46658, Stop: 47605, Start Num: 6
Candidate Starts for Alexphander_75:
(1, 46559), (2, 46610), (3, 46616), (Start: 6 @46658 has 10 MA's), (11, 46733), (12, 46736), (14, 46757), (16, 46772), (26, 46895), (31, 46925), (32, 46931), (42, 47195), (56, 47522), (57, 47546),

Gene: Beakin_71 Start: 42319, Stop: 43122, Start Num: 6
Candidate Starts for Beakin_71:
(Start: 6 @42319 has 10 MA's), (18, 42454), (20, 42469), (22, 42517), (24, 42553), (25, 42556), (35, 42646), (37, 42667), (42, 42772),

Gene: ByChance_67 Start: 42797, Stop: 43744, Start Num: 6
Candidate Starts for ByChance_67:

(1, 42698), (2, 42749), (3, 42755), (Start: 6 @42797 has 10 MA's), (11, 42872), (12, 42875), (14, 42896), (16, 42911), (26, 43034), (31, 43064), (32, 43070), (42, 43334), (56, 43661), (57, 43685),

Gene: Girr_70 Start: 46136, Stop: 47083, Start Num: 6
Candidate Starts for Girr_70:
(2, 46088), (3, 46094), (Start: 6 @46136 has 10 MA's), (11, 46211), (12, 46214), (14, 46235), (16, 46250), (26, 46373), (31, 46403), (32, 46409), (42, 46673), (56, 47000), (57, 47024),

Gene: Gsput1_45 Start: 32516, Stop: 33187, Start Num: 7
Candidate Starts for Gsput1_45:
(Start: 6 @32471 has 10 MA's), (7, 32516), (13, 32558), (16, 32585), (32, 32741), (44, 32957),

Gene: Hum25_57 Start: 32602, Stop: 33336, Start Num: 15
Candidate Starts for Hum25_57:
(Start: 15 @32602 has 2 MA's), (23, 32725), (27, 32746), (28, 32752), (29, 32758), (33, 32791), (34, 32806), (41, 32968), (45, 33028), (49, 33178), (51, 33202), (52, 33253),

Gene: Krakatau_68 Start: 42516, Stop: 43463, Start Num: 6
Candidate Starts for Krakatau_68:
(2, 42468), (3, 42474), (Start: 6 @42516 has 10 MA's), (11, 42591), (12, 42594), (14, 42615), (16, 42630), (26, 42753), (31, 42783), (32, 42789), (42, 43053), (56, 43380), (57, 43404),

Gene: MisterCuddles_70 Start: 46136, Stop: 47083, Start Num: 6
Candidate Starts for MisterCuddles_70:
(2, 46088), (3, 46094), (Start: 6 @46136 has 10 MA's), (11, 46211), (12, 46214), (14, 46235), (16, 46250), (26, 46373), (31, 46403), (32, 46409), (42, 46673), (56, 47000), (57, 47024),

Gene: Mova_73 Start: 45137, Stop: 46084, Start Num: 6
Candidate Starts for Mova_73:
(1, 45038), (2, 45089), (3, 45095), (Start: 6 @45137 has 10 MA's), (11, 45212), (12, 45215), (14, 45236), (16, 45251), (26, 45374), (31, 45404), (32, 45410), (42, 45674), (56, 46001), (57, 46025),

Gene: PFR1_48 Start: 33401, Stop: 34246, Start Num: 6
Candidate Starts for PFR1_48:
(Start: 6 @33401 has 10 MA's), (10, 33473), (11, 33476), (14, 33500), (16, 33515), (19, 33542), (21, 33566), (31, 33671), (36, 33734), (43, 33878), (53, 34160), (57, 34211),

Gene: PFR2_50 Start: 34970, Stop: 35815, Start Num: 6
Candidate Starts for PFR2_50:
(Start: 6 @34970 has 10 MA's), (10, 35042), (11, 35045), (14, 35069), (16, 35084), (19, 35111), (21, 35135), (31, 35240), (36, 35303), (43, 35447), (53, 35729), (57, 35780),

Gene: PSonyx_124 Start: 65104, Stop: 65970, Start Num: 5
Candidate Starts for PSonyx_124:
(Start: 5 @65104 has 1 MA's), (8, 65155), (20, 65257), (24, 65341), (39, 65479), (40, 65557),

Gene: Pitbull_55 Start: 31198, Stop: 31932, Start Num: 15
Candidate Starts for Pitbull_55:
(4, 31060), (Start: 15 @31198 has 2 MA's), (23, 31321), (27, 31342), (28, 31348), (29, 31354), (30, 31357), (33, 31387), (34, 31402), (41, 31564), (45, 31624), (49, 31774), (50, 31786), (51, 31798), (52, 31849), (54, 31882),

Gene: Ruby_68 Start: 46137, Stop: 47084, Start Num: 6

Candidate Starts for Ruby_68:
(2, 46089), (3, 46095), (Start: 6 @46137 has 10 MA's), (11, 46212), (12, 46215), (14, 46236), (16, 46251), (26, 46374), (31, 46404), (32, 46410), (42, 46674), (56, 47001), (57, 47025),

Gene: ShowerHandel_77 Start: 46737, Stop: 47684, Start Num: 6
Candidate Starts for ShowerHandel_77:
(1, 46638), (2, 46689), (3, 46695), (Start: 6 @46737 has 10 MA's), (11, 46812), (12, 46815), (14, 46836), (16, 46851), (26, 46974), (31, 47004), (32, 47010), (42, 47274), (56, 47601), (57, 47625),

Gene: WilliamBoone_105 Start: 60775, Stop: 61641, Start Num: 6
Candidate Starts for WilliamBoone_105:
(Start: 6 @60775 has 10 MA's), (9, 60844), (14, 60877), (16, 60892), (17, 60898), (24, 61012), (38, 61135), (46, 61300), (47, 61387), (48, 61417), (55, 61549), (58, 61612),