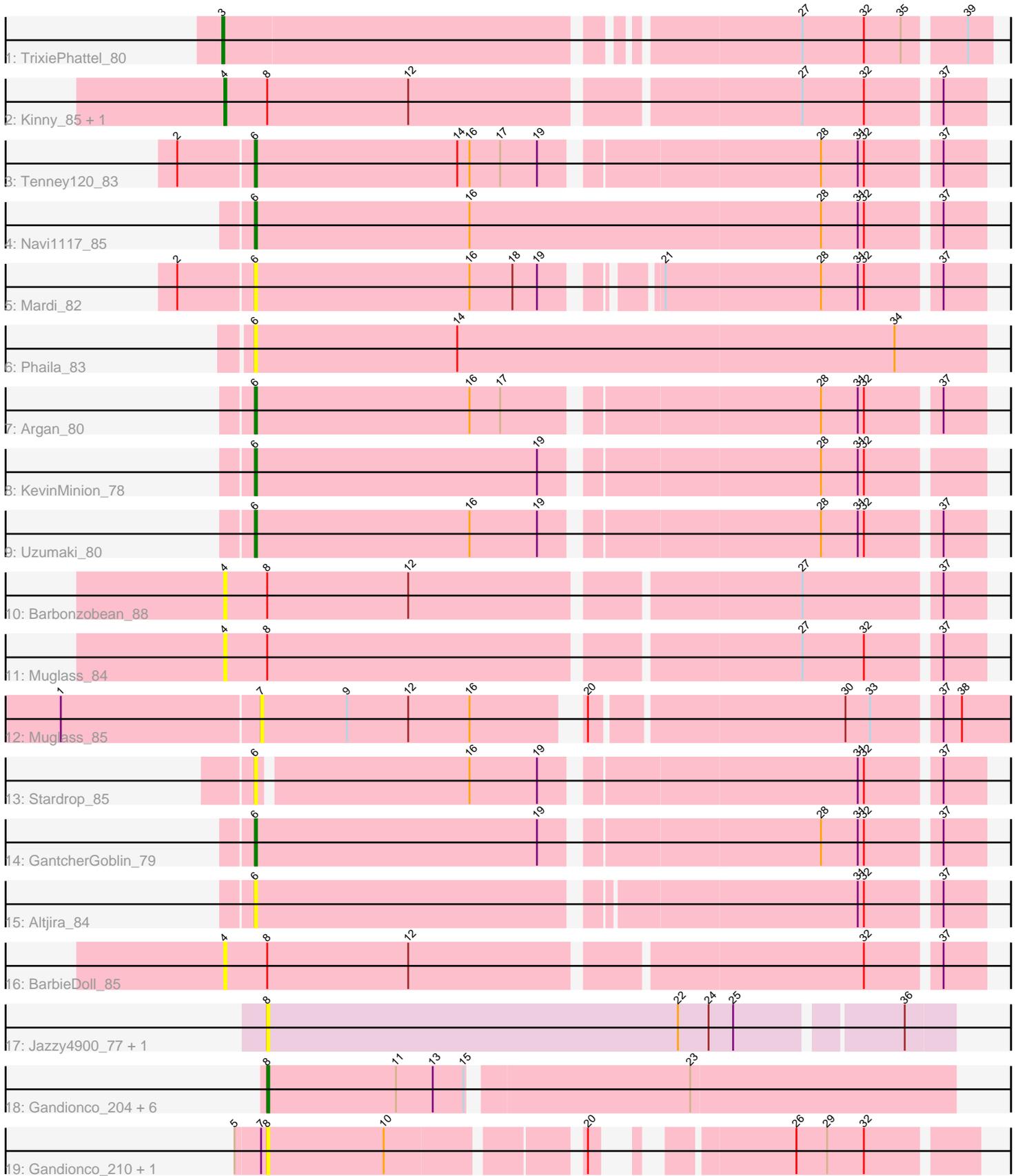# Pham 284084

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 284084 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284084 has 28 members, 16 are drafts.

Phages represented in each track:
• Track 1 : TrixiePhattel_80
• Track 2 : Kinny_85, Biscute_82
• Track 3 : Tenney120_83
• Track 4 : Navi1117_85
• Track 5 : Mardi_82
• Track 6 : Phaila_83
• Track 7 : Argan_80
• Track 8 : KevinMinion_78
• Track 9 : Uzumaki_80
• Track 10 : Barbonzobean_88
• Track 11 : Muglass_84
• Track 12 : Muglass_85
• Track 13 : Stardrop_85
• Track 14 : GantcherGoblin_79
• Track 15 : Altjira_84
• Track 16 : BarbieDoll_85
• Track 17 : Jazzy4900_77, Sunny4976_76
• Track 18 : Gandionco_204, Elver_205, Qui_206, Kureo_202, Paella_206, Marianna39_204, JeNeSaisPas_200
• Track 19 : Gandionco_210, Marianna39_210

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 6 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Altjira_84, Argan_80, GantcherGoblin_79, KevinMinion_78, Mardi_82, Navi1117_85, Phaila_83, Stardrop_85, Tenney120_83, Uzumaki_80,

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

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

• BarbieDoll_85, Barbonzobean_88, Biscute_82, Elver_205, Gandionco_204, Gandionco_210, Jazzy4900_77, JeNeSaisPas_200, Kinny_85, Kureo_202, Marianna39_204, Marianna39_210, Muglass_84, Muglass_85, Paella_206, Qui_206, Sunny4976_76, TrixiePhattel_80,

Summary by start number:

Start 3:
• Found in 1 of 28 (3.6%) of genes in pham
• Manual Annotations of this start: 1 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: TrixiePhattel_80 (AU6),

Start 4:
• Found in 5 of 28 (17.9%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarbieDoll_85 (AU6), Barbonzobean_88 (AU6), Biscute_82 (AU6), Kinny_85 (AU6), Muglass_84 (AU6),

Start 6:
• Found in 10 of 28 (35.7%) of genes in pham
• Manual Annotations of this start: 6 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altjira_84 (AU6), Argan_80 (AU6), GantcherGoblin_79 (AU6), KevinMinion_78 (AU6), Mardi_82 (AU6), Navi1117_85 (AU6), Phaila_83 (AU6), Stardrop_85 (AU6), Tenney120_83 (AU6), Uzumaki_80 (AU6),

Start 7:
• Found in 3 of 28 (10.7%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Muglass_85 (AU6),

Start 8:
• Found in 16 of 28 (57.1%) of genes in pham
• Manual Annotations of this start: 3 of 12
• Called 68.8% of time when present
• Phage (with cluster) where this start called: Elver_205 (FK), Gandionco_204 (FK), Gandionco_210 (FK), Jazzy4900_77 (FI), JeNeSaisPas_200 (FK), Kureo_202 (FK), Marianna39_204 (FK), Marianna39_210 (FK), Paella_206 (FK), Qui_206 (FK), Sunny4976_76 (FI),

Summary by clusters:

There are 3 clusters represented in this pham: FI, FK, AU6,

Info for manual annotations of cluster AU6:
•Start number 3 was manually annotated 1 time for cluster AU6.
•Start number 4 was manually annotated 2 times for cluster AU6.
•Start number 6 was manually annotated 6 times for cluster AU6.

Info for manual annotations of cluster FK:
•Start number 8 was manually annotated 3 times for cluster FK.

Gene Information:

Gene: Altjira_84 Start: 49564, Stop: 49899, Start Num: 6
Candidate Starts for Altjira_84:
(Start: 6 @49564 has 6 MA's), (31, 49843), (32, 49846), (37, 49879),

Gene: Argan_80 Start: 48128, Stop: 48466, Start Num: 6
Candidate Starts for Argan_80:
(Start: 6 @48128 has 6 MA's), (16, 48233), (17, 48248), (28, 48392), (31, 48410), (32, 48413), (37, 48446),

Gene: BarbieDoll_85 Start: 49719, Stop: 50072, Start Num: 4
Candidate Starts for BarbieDoll_85:
(Start: 4 @49719 has 2 MA's), (Start: 8 @49740 has 3 MA's), (12, 49809), (32, 50019), (37, 50052),

Gene: Barbonzobean_88 Start: 50236, Stop: 50589, Start Num: 4
Candidate Starts for Barbonzobean_88:
(Start: 4 @50236 has 2 MA's), (Start: 8 @50257 has 3 MA's), (12, 50326), (27, 50506), (37, 50569),

Gene: Biscute_82 Start: 49573, Stop: 49926, Start Num: 4
Candidate Starts for Biscute_82:
(Start: 4 @49573 has 2 MA's), (Start: 8 @49594 has 3 MA's), (12, 49663), (27, 49843), (32, 49873), (37, 49906),

Gene: Elver_205 Start: 96253, Stop: 96579, Start Num: 8
Candidate Starts for Elver_205:
(Start: 8 @96253 has 3 MA's), (11, 96316), (13, 96334), (15, 96349), (23, 96451),

Gene: Gandionco_204 Start: 95814, Stop: 96140, Start Num: 8
Candidate Starts for Gandionco_204:
(Start: 8 @95814 has 3 MA's), (11, 95877), (13, 95895), (15, 95910), (23, 96012),

Gene: Gandionco_210 Start: 97441, Stop: 97734, Start Num: 8
Candidate Starts for Gandionco_210:
(5, 97426), (7, 97438), (Start: 8 @97441 has 3 MA's), (10, 97498), (20, 97582), (26, 97651), (29, 97666), (32, 97684),

Gene: GantcherGoblin_79 Start: 48289, Stop: 48627, Start Num: 6
Candidate Starts for GantcherGoblin_79:
(Start: 6 @48289 has 6 MA's), (19, 48427), (28, 48553), (31, 48571), (32, 48574), (37, 48607),

Gene: Jazzy4900_77 Start: 50275, Stop: 50601, Start Num: 8
Candidate Starts for Jazzy4900_77:
(Start: 8 @50275 has 3 MA's), (22, 50476), (24, 50491), (25, 50503), (36, 50578),

Gene: JeNeSaisPas_200 Start: 96374, Stop: 96700, Start Num: 8
Candidate Starts for JeNeSaisPas_200:

(Start: 8 @96374 has 3 MA's), (11, 96437), (13, 96455), (15, 96470), (23, 96572),

Gene: KevinMinion_78 Start: 49079, Stop: 49417, Start Num: 6
Candidate Starts for KevinMinion_78:
(Start: 6 @49079 has 6 MA's), (19, 49217), (28, 49343), (31, 49361), (32, 49364),

Gene: Kinny_85 Start: 50400, Stop: 50753, Start Num: 4
Candidate Starts for Kinny_85:
(Start: 4 @50400 has 2 MA's), (Start: 8 @50421 has 3 MA's), (12, 50490), (27, 50670), (32, 50700),
(37, 50733),

Gene: Kureo_202 Start: 94918, Stop: 95244, Start Num: 8
Candidate Starts for Kureo_202:
(Start: 8 @94918 has 3 MA's), (11, 94981), (13, 94999), (15, 95014), (23, 95116),

Gene: Mardi_82 Start: 48943, Stop: 49272, Start Num: 6
Candidate Starts for Mardi_82:
(2, 48907), (Start: 6 @48943 has 6 MA's), (16, 49048), (18, 49069), (19, 49081), (21, 49123), (28,
49198), (31, 49216), (32, 49219), (37, 49252),

Gene: Marianna39_204 Start: 96417, Stop: 96743, Start Num: 8
Candidate Starts for Marianna39_204:
(Start: 8 @96417 has 3 MA's), (11, 96480), (13, 96498), (15, 96513), (23, 96615),

Gene: Marianna39_210 Start: 98044, Stop: 98337, Start Num: 8
Candidate Starts for Marianna39_210:
(5, 98029), (7, 98041), (Start: 8 @98044 has 3 MA's), (10, 98101), (20, 98185), (26, 98254), (29,
98269), (32, 98287),

Gene: Muglass_84 Start: 49477, Stop: 49830, Start Num: 4
Candidate Starts for Muglass_84:
(Start: 4 @49477 has 2 MA's), (Start: 8 @49498 has 3 MA's), (27, 49747), (32, 49777), (37, 49810),

Gene: Muglass_85 Start: 49827, Stop: 50165, Start Num: 7
Candidate Starts for Muglass_85:
(1, 49731), (7, 49827), (9, 49869), (12, 49899), (16, 49929), (20, 49974), (30, 50091), (33, 50103), (37,
50133), (38, 50142),

Gene: Navi1117_85 Start: 49835, Stop: 50185, Start Num: 6
Candidate Starts for Navi1117_85:
(Start: 6 @49835 has 6 MA's), (16, 49940), (28, 50111), (31, 50129), (32, 50132), (37, 50165),

Gene: Paella_206 Start: 97138, Stop: 97464, Start Num: 8
Candidate Starts for Paella_206:
(Start: 8 @97138 has 3 MA's), (11, 97201), (13, 97219), (15, 97234), (23, 97336),

Gene: Phaila_83 Start: 48308, Stop: 48664, Start Num: 6
Candidate Starts for Phaila_83:
(Start: 6 @48308 has 6 MA's), (14, 48407), (34, 48620),

Gene: Qui_206 Start: 97126, Stop: 97452, Start Num: 8
Candidate Starts for Qui_206:
(Start: 8 @97126 has 3 MA's), (11, 97189), (13, 97207), (15, 97222), (23, 97324),

Gene: Stardrop_85 Start: 49241, Stop: 49573, Start Num: 6
Candidate Starts for Stardrop_85:
(Start: 6 @49241 has 6 MA's), (16, 49340), (19, 49373), (31, 49517), (32, 49520), (37, 49553),

Gene: Sunny4976_76 Start: 50275, Stop: 50601, Start Num: 8
Candidate Starts for Sunny4976_76:
(Start: 8 @50275 has 3 MA's), (22, 50476), (24, 50491), (25, 50503), (36, 50578),

Gene: Tenney120_83 Start: 49338, Stop: 49676, Start Num: 6
Candidate Starts for Tenney120_83:
(2, 49302), (Start: 6 @49338 has 6 MA's), (14, 49437), (16, 49443), (17, 49458), (19, 49476), (28, 49602), (31, 49620), (32, 49623), (37, 49656),

Gene: TrixiePhattel_80 Start: 47618, Stop: 47965, Start Num: 3
Candidate Starts for TrixiePhattel_80:
(Start: 3 @47618 has 1 MA's), (27, 47879), (32, 47909), (35, 47927), (39, 47954),

Gene: Uzumaki_80 Start: 48257, Stop: 48595, Start Num: 6
Candidate Starts for Uzumaki_80:
(Start: 6 @48257 has 6 MA's), (16, 48362), (19, 48395), (28, 48521), (31, 48539), (32, 48542), (37, 48575),