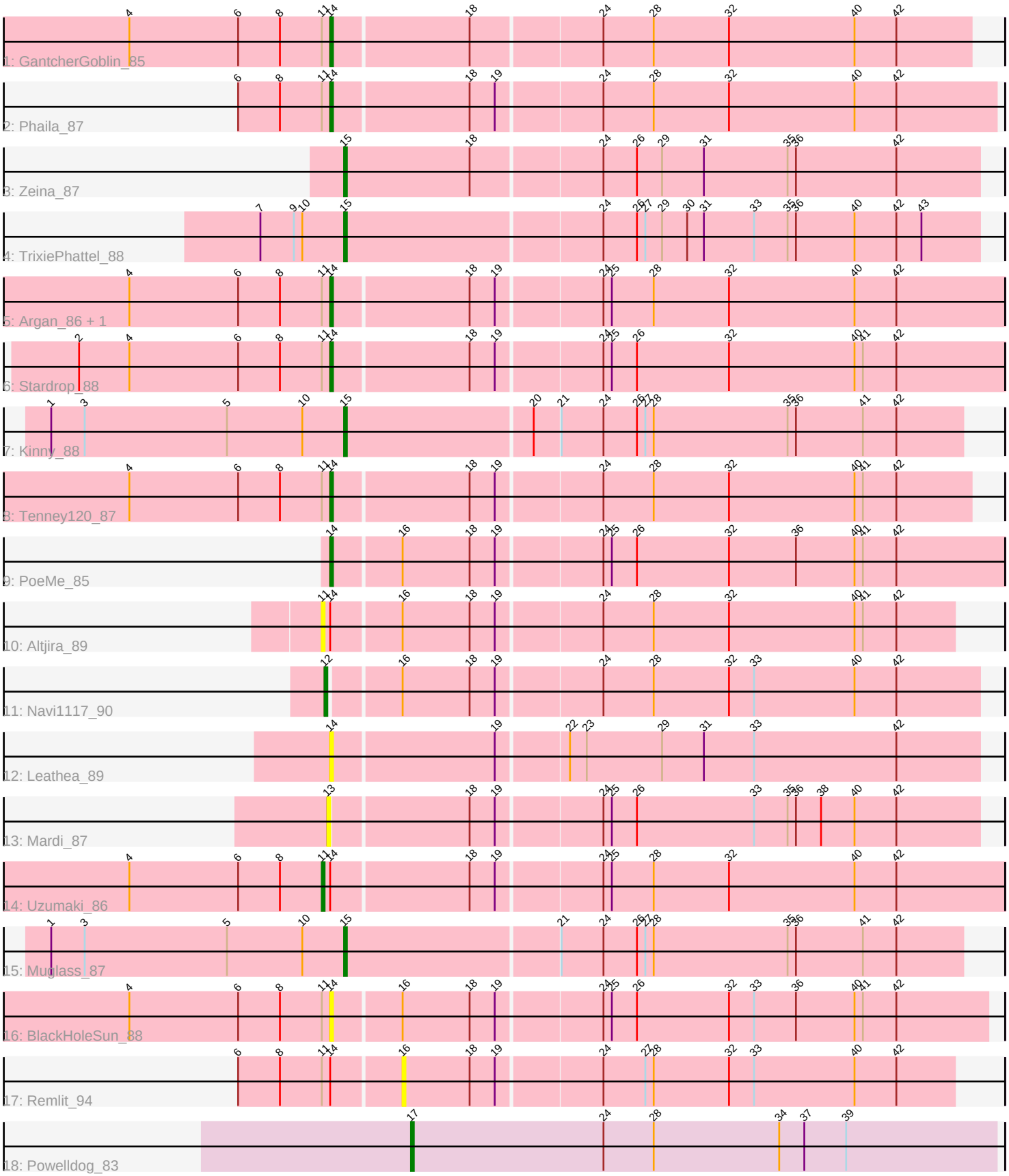
Pham 346203


1: GantcherGoblin_85
2: Phaila_87
3: Zeina_87
4: TrixiePhattel_88
5: Argan_86 + 1
6: Stardrop_88
7: Kinny_88
8: Tenney120_87
9: PoeMe_85
10: Altjira_89
11: Navi1117_90
12: Leathea_89
13: Mardi_87
14: Uzumaki_86
15: Muglass_87
16: BlackHoleSun_88
17: Remlit_94
18: Powelldog_83

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 346203 Report

This analysis was run 11/14/26 on database version 672.

Pham number 346203 has 19 members, 5 are drafts.

Phages represented in each track:
• Track 1 : GantcherGoblin_85
• Track 2 : Phaila_87
• Track 3 : Zeina_87
• Track 4 : TrixiePhattel_88
• Track 5 : Argan_86, KevinMinion_84
• Track 6 : Stardrop_88
• Track 7 : Kinny_88
• Track 8 : Tenney120_87
• Track 9 : PoeMe_85
• Track 10 : Altjira_89
• Track 11 : Navi1117_90
• Track 12 : Leathea_89
• Track 13 : Mardi_87
• Track 14 : Uzumaki_86
• Track 15 : Muglass_87
• Track 16 : BlackHoleSun_88
• Track 17 : Remlit_94
• Track 18 : Powelldog_83

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

The start number called the most often in the published annotations is 14, it was called in 7 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Argan_86, BlackHoleSun_88, GantcherGoblin_85, KevinMinion_84, Leathea_89, Phaila_87, PoeMe_85, Stardrop_88, Tenney120_87,

Genes that have the "Most Annotated" start but do not call it:
• Altjira_89, Remlit_94, Uzumaki_86,

Genes that do not have the "Most Annotated" start:
• Kinny_88, Mardi_87, Muglass_87, Navi1117_90, Powelldog_83, TrixiePhattel_88, Zeina_87,

Summary by start number:

Start 11:
• Found in 10 of 19 (52.6%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Altjira_89 (AU6), Uzumaki_86 (AU6),

Start 12:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Navi1117_90 (AU6),

Start 13:
• Found in 1 of 19 (5.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mardi_87 (AU6),

Start 14:
• Found in 12 of 19 (63.2%) of genes in pham
• Manual Annotations of this start: 7 of 14
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Argan_86 (AU6), BlackHoleSun_88 (AU6), GantcherGoblin_85 (AU6), KevinMinion_84 (AU6), Leathea_89 (AU6), Phaila_87 (AU6), PoeMe_85 (AU6), Stardrop_88 (AU6), Tenney120_87 (AU6),

Start 15:
• Found in 4 of 19 (21.1%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kinny_88 (AU6), Muglass_87 (AU6), TrixiePhattel_88 (AU6), Zeina_87 (AU6),

Start 16:
• Found in 5 of 19 (26.3%) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Remlit_94 (AU6),

Start 17:
• Found in 1 of 19 (5.3%) of genes in pham
• Manual Annotations of this start: 1 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Powelldog_83 (AW),

Summary by clusters:

There are 2 clusters represented in this pham: AW, AU6,

Info for manual annotations of cluster AU6:

•Start number 11 was manually annotated 1 time for cluster AU6.
•Start number 12 was manually annotated 1 time for cluster AU6.
•Start number 14 was manually annotated 7 times for cluster AU6.
•Start number 15 was manually annotated 4 times for cluster AU6.

Info for manual annotations of cluster AW:
•Start number 17 was manually annotated 1 time for cluster AW.

Gene Information:

Gene: Altjira_89 Start: 51419, Stop: 51640, Start Num: 11
Candidate Starts for Altjira_89:
(Start: 11 @51419 has 1 MA's), (Start: 14 @51422 has 7 MA's), (16, 51446), (18, 51470), (19, 51479), (24, 51515), (28, 51533), (32, 51560), (40, 51605), (41, 51608), (42, 51620),

Gene: Argan_86 Start: 50215, Stop: 50451, Start Num: 14
Candidate Starts for Argan_86:
(4, 50143), (6, 50182), (8, 50197), (Start: 11 @50212 has 1 MA's), (Start: 14 @50215 has 7 MA's), (18, 50263), (19, 50272), (24, 50308), (25, 50311), (28, 50326), (32, 50353), (40, 50398), (42, 50413),

Gene: BlackHoleSun_88 Start: 50452, Stop: 50682, Start Num: 14
Candidate Starts for BlackHoleSun_88:
(4, 50380), (6, 50419), (8, 50434), (Start: 11 @50449 has 1 MA's), (Start: 14 @50452 has 7 MA's), (16, 50476), (18, 50500), (19, 50509), (24, 50545), (25, 50548), (26, 50557), (32, 50590), (33, 50599), (36, 50614), (40, 50635), (41, 50638), (42, 50650),

Gene: GantcherGoblin_85 Start: 50390, Stop: 50614, Start Num: 14
Candidate Starts for GantcherGoblin_85:
(4, 50318), (6, 50357), (8, 50372), (Start: 11 @50387 has 1 MA's), (Start: 14 @50390 has 7 MA's), (18, 50438), (24, 50483), (28, 50501), (32, 50528), (40, 50573), (42, 50588),

Gene: KevinMinion_84 Start: 51207, Stop: 51443, Start Num: 14
Candidate Starts for KevinMinion_84:
(4, 51135), (6, 51174), (8, 51189), (Start: 11 @51204 has 1 MA's), (Start: 14 @51207 has 7 MA's), (18, 51255), (19, 51264), (24, 51300), (25, 51303), (28, 51318), (32, 51345), (40, 51390), (42, 51405),

Gene: Kinny_88 Start: 51860, Stop: 52078, Start Num: 15
Candidate Starts for Kinny_88:
(1, 51755), (3, 51767), (5, 51818), (10, 51845), (Start: 15 @51860 has 4 MA's), (20, 51926), (21, 51935), (24, 51950), (26, 51962), (27, 51965), (28, 51968), (35, 52016), (36, 52019), (41, 52043), (42, 52055),

Gene: Leathea_89 Start: 49827, Stop: 50054, Start Num: 14
Candidate Starts for Leathea_89:
(Start: 14 @49827 has 7 MA's), (19, 49884), (22, 49908), (23, 49914), (29, 49941), (31, 49956), (33, 49974), (42, 50025),

Gene: Mardi_87 Start: 50787, Stop: 51014, Start Num: 13
Candidate Starts for Mardi_87:
(13, 50787), (18, 50835), (19, 50844), (24, 50880), (25, 50883), (26, 50892), (33, 50934), (35, 50946), (36, 50949), (38, 50958), (40, 50970), (42, 50985),

Gene: Muglass_87 Start: 51278, Stop: 51496, Start Num: 15
Candidate Starts for Muglass_87:
(1, 51173), (3, 51185), (5, 51236), (10, 51263), (Start: 15 @51278 has 4 MA's), (21, 51353), (24, 51368), (26, 51380), (27, 51383), (28, 51386), (35, 51434), (36, 51437), (41, 51461), (42, 51473),

Gene: Navi1117_90 Start: 51890, Stop: 52117, Start Num: 12
Candidate Starts for Navi1117_90:
(Start: 12 @51890 has 1 MA's), (16, 51914), (18, 51938), (19, 51947), (24, 51983), (28, 52001), (32, 52028), (33, 52037), (40, 52073), (42, 52088),

Gene: Phaila_87 Start: 50422, Stop: 50655, Start Num: 14
Candidate Starts for Phaila_87:
(6, 50389), (8, 50404), (Start: 11 @50419 has 1 MA's), (Start: 14 @50422 has 7 MA's), (18, 50470), (19, 50479), (24, 50515), (28, 50533), (32, 50560), (40, 50605), (42, 50620),

Gene: PoeMe_85 Start: 50618, Stop: 50854, Start Num: 14
Candidate Starts for PoeMe_85:
(Start: 14 @50618 has 7 MA's), (16, 50642), (18, 50666), (19, 50675), (24, 50711), (25, 50714), (26, 50723), (32, 50756), (36, 50780), (40, 50801), (41, 50804), (42, 50816),

Gene: Powelldog_83 Start: 50015, Stop: 50224, Start Num: 17
Candidate Starts for Powelldog_83:
(Start: 17 @50015 has 1 MA's), (24, 50084), (28, 50102), (34, 50147), (37, 50156), (39, 50171),

Gene: Remlit_94 Start: 50977, Stop: 51171, Start Num: 16
Candidate Starts for Remlit_94:
(6, 50920), (8, 50935), (Start: 11 @50950 has 1 MA's), (Start: 14 @50953 has 7 MA's), (16, 50977), (18, 51001), (19, 51010), (24, 51046), (27, 51061), (28, 51064), (32, 51091), (33, 51100), (40, 51136), (42, 51151),

Gene: Stardrop_88 Start: 51641, Stop: 51877, Start Num: 14
Candidate Starts for Stardrop_88:
(2, 51551), (4, 51569), (6, 51608), (8, 51623), (Start: 11 @51638 has 1 MA's), (Start: 14 @51641 has 7 MA's), (18, 51689), (19, 51698), (24, 51734), (25, 51737), (26, 51746), (32, 51779), (40, 51824), (41, 51827), (42, 51839),

Gene: Tenney120_87 Start: 50941, Stop: 51165, Start Num: 14
Candidate Starts for Tenney120_87:
(4, 50869), (6, 50908), (8, 50923), (Start: 11 @50938 has 1 MA's), (Start: 14 @50941 has 7 MA's), (18, 50989), (19, 50998), (24, 51034), (28, 51052), (32, 51079), (40, 51124), (41, 51127), (42, 51139),

Gene: TrixiePhattel_88 Start: 50308, Stop: 50532, Start Num: 15
Candidate Starts for TrixiePhattel_88:
(7, 50278), (9, 50290), (10, 50293), (Start: 15 @50308 has 4 MA's), (24, 50398), (26, 50410), (27, 50413), (29, 50419), (30, 50428), (31, 50434), (33, 50452), (35, 50464), (36, 50467), (40, 50488), (42, 50503), (43, 50512),

Gene: Uzumaki_86 Start: 50346, Stop: 50585, Start Num: 11
Candidate Starts for Uzumaki_86:
(4, 50277), (6, 50316), (8, 50331), (Start: 11 @50346 has 1 MA's), (Start: 14 @50349 has 7 MA's), (18, 50397), (19, 50406), (24, 50442), (25, 50445), (28, 50460), (32, 50487), (40, 50532), (42, 50547),

Gene: Zeina_87 Start: 50095, Stop: 50319, Start Num: 15
Candidate Starts for Zeina_87:
(Start: 15 @50095 has 4 MA's), (18, 50140), (24, 50185), (26, 50197), (29, 50206), (31, 50221), (35, 50251), (36, 50254), (42, 50290),