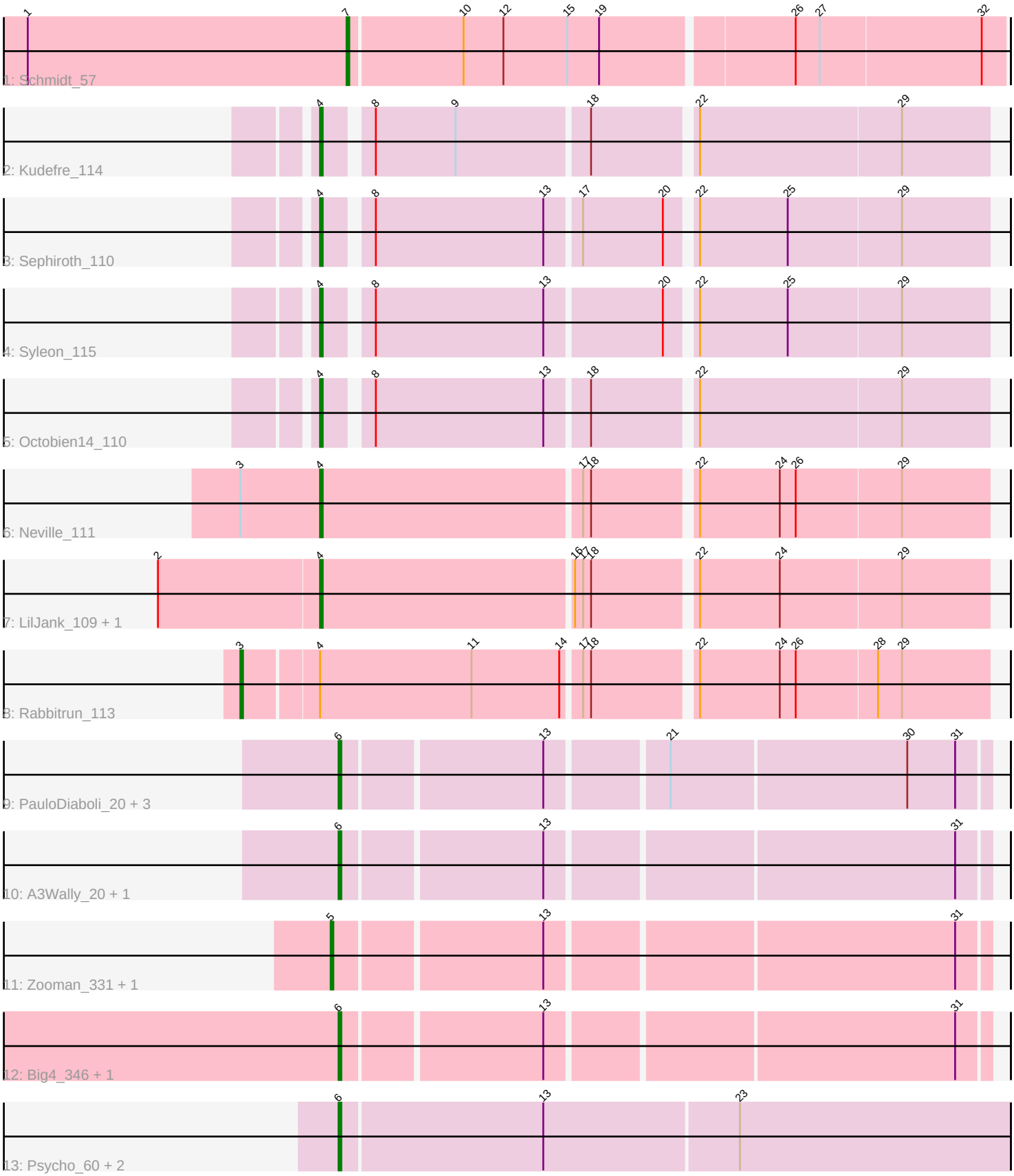
Pham 280848


1: Schmidt_57
2: Kudefre_114
3: Sephiroth_110
4: Syleon_115
5: Octobien14_110
6: Neville_111
7: LilJank_109 + 1
8: Rabbitrun_113
9: PauloDiaboli_20 + 3
10: A3Wally_20 + 1
11: Zooman_331 + 1
12: Big4_346 + 1
13: Psycho_60 + 2

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 280848 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280848 has 22 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Schmidt_57
• Track 2 : Kudefre_114
• Track 3 : Sephiroth_110
• Track 4 : Syleon_115
• Track 5 : Octobien14_110
• Track 6 : Neville_111
• Track 7 : LilJank_109, Trax_113
• Track 8 : Rabbitrun_113
• Track 9 : PauloDiaboli_20, PauloDiaboli_375, Dodo_21, Dodo_371
• Track 10 : A3Wally_20, A3Wally_373
• Track 11 : Zooman_331, Zooman_18
• Track 12 : Big4_346, Big4_20
• Track 13 : Psycho_60, AlleyCat_62, Dadosky_62

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 9 of the 19 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A3Wally_20, A3Wally_373, AlleyCat_62, Big4_20, Big4_346, Dadosky_62, Dodo_21, Dodo_371, PauloDiaboli_20, PauloDiaboli_375, Psycho_60,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• Kudefre_114, LilJank_109, Neville_111, Octobien14_110, Rabbitrun_113, Schmidt_57, Sephiroth_110, Syleon_115, Trax_113, Zooman_18, Zooman_331,

Summary by start number:

Start 3:
• Found in 2 of 22 (9.1%) of genes in pham

• Manual Annotations of this start: 1 of 19
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Rabbitrun_113 (DU2),

Start 4:
• Found in 8 of 22 (36.4%) of genes in pham
• Manual Annotations of this start: 6 of 19
• Called 87.5% of time when present
• Phage (with cluster) where this start called: Kudefre_114 (DU1), LilJank_109 (DU2), Neville_111 (DU2), Octobien14_110 (DU1), Sephiroth_110 (DU1), Syleon_115 (DU1), Trax_113 (DU2),

Start 5:
• Found in 2 of 22 (9.1%) of genes in pham
• Manual Annotations of this start: 2 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zooman_18 (GD2), Zooman_331 (GD2),

Start 6:
• Found in 11 of 22 (50.0%) of genes in pham
• Manual Annotations of this start: 9 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A3Wally_20 (GD1), A3Wally_373 (GD1), AlleyCat_62 (K5), Big4_20 (GD2), Big4_346 (GD2), Dadosky_62 (K5), Dodo_21 (GD1), Dodo_371 (GD1), PauloDiaboli_20 (GD1), PauloDiaboli_375 (GD1), Psycho_60 (K5),

Start 7:
• Found in 1 of 22 (4.5%) of genes in pham
• Manual Annotations of this start: 1 of 19
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Schmidt_57 (CU4),

Summary by clusters:

There are 6 clusters represented in this pham: GD1, GD2, CU4, K5, DU1, DU2,

Info for manual annotations of cluster CU4:
•Start number 7 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster DU1:
•Start number 4 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:
•Start number 3 was manually annotated 1 time for cluster DU2.
•Start number 4 was manually annotated 2 times for cluster DU2.

Info for manual annotations of cluster GD1:
•Start number 6 was manually annotated 4 times for cluster GD1.

Info for manual annotations of cluster GD2:
•Start number 5 was manually annotated 2 times for cluster GD2.
•Start number 6 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster K5:
•Start number 6 was manually annotated 3 times for cluster K5.

Gene Information:

Gene: A3Wally_20 Start: 7196, Stop: 7426, Start Num: 6
Candidate Starts for A3Wally_20:
(Start: 6 @7196 has 9 MA's), (13, 7268), (31, 7415),

Gene: A3Wally_373 Start: 186417, Stop: 186647, Start Num: 6
Candidate Starts for A3Wally_373:
(Start: 6 @186417 has 9 MA's), (13, 186489), (31, 186636),

Gene: AlleyCat_62 Start: 41081, Stop: 41329, Start Num: 6
Candidate Starts for AlleyCat_62:
(Start: 6 @41081 has 9 MA's), (13, 41156), (23, 41228),

Gene: Big4_346 Start: 183627, Stop: 183857, Start Num: 6
Candidate Starts for Big4_346:
(Start: 6 @183627 has 9 MA's), (13, 183699), (31, 183846),

Gene: Big4_20 Start: 8933, Stop: 9163, Start Num: 6
Candidate Starts for Big4_20:
(Start: 6 @8933 has 9 MA's), (13, 9005), (31, 9152),

Gene: Dadosky_62 Start: 41083, Stop: 41331, Start Num: 6
Candidate Starts for Dadosky_62:
(Start: 6 @41083 has 9 MA's), (13, 41158), (23, 41230),

Gene: Dodo_21 Start: 7043, Stop: 7273, Start Num: 6
Candidate Starts for Dodo_21:
(Start: 6 @7043 has 9 MA's), (13, 7115), (21, 7157), (30, 7244), (31, 7262),

Gene: Dodo_371 Start: 185243, Stop: 185473, Start Num: 6
Candidate Starts for Dodo_371:
(Start: 6 @185243 has 9 MA's), (13, 185315), (21, 185357), (30, 185444), (31, 185462),

Gene: Kudefre_114 Start: 63016, Stop: 63252, Start Num: 4
Candidate Starts for Kudefre_114:
(Start: 4 @63016 has 6 MA's), (8, 63031), (9, 63061), (18, 63109), (22, 63145), (29, 63220),

Gene: LilJank_109 Start: 65278, Stop: 65520, Start Num: 4
Candidate Starts for LilJank_109:
(2, 65218), (Start: 4 @65278 has 6 MA's), (16, 65371), (17, 65374), (18, 65377), (22, 65413), (24, 65443), (29, 65488),

Gene: Neville_111 Start: 63902, Stop: 64144, Start Num: 4
Candidate Starts for Neville_111:
(Start: 3 @63872 has 1 MA's), (Start: 4 @63902 has 6 MA's), (17, 63998), (18, 64001), (22, 64037), (24, 64067), (26, 64073), (29, 64112),

Gene: Octobien14_110 Start: 61808, Stop: 62044, Start Num: 4
Candidate Starts for Octobien14_110:
(Start: 4 @61808 has 6 MA's), (8, 61823), (13, 61886), (18, 61901), (22, 61937), (29, 62012),

Gene: PauloDiaboli_20 Start: 7036, Stop: 7266, Start Num: 6
Candidate Starts for PauloDiaboli_20:
(Start: 6 @7036 has 9 MA's), (13, 7108), (21, 7150), (30, 7237), (31, 7255),

Gene: PauloDiaboli_375 Start: 183665, Stop: 183895, Start Num: 6
Candidate Starts for PauloDiaboli_375:
(Start: 6 @183665 has 9 MA's), (13, 183737), (21, 183779), (30, 183866), (31, 183884),

Gene: Psycho_60 Start: 41080, Stop: 41328, Start Num: 6
Candidate Starts for Psycho_60:
(Start: 6 @41080 has 9 MA's), (13, 41155), (23, 41227),

Gene: Rabbitrun_113 Start: 64952, Stop: 65221, Start Num: 3
Candidate Starts for Rabbitrun_113:
(Start: 3 @64952 has 1 MA's), (Start: 4 @64979 has 6 MA's), (11, 65036), (14, 65069), (17, 65075), (18, 65078), (22, 65114), (24, 65144), (26, 65150), (28, 65180), (29, 65189),

Gene: Schmidt_57 Start: 36601, Stop: 36840, Start Num: 7
Candidate Starts for Schmidt_57:
(1, 36481), (Start: 7 @36601 has 1 MA's), (10, 36643), (12, 36658), (15, 36682), (19, 36694), (26, 36763), (27, 36772), (32, 36832),

Gene: Sephiroth_110 Start: 62771, Stop: 63007, Start Num: 4
Candidate Starts for Sephiroth_110:
(Start: 4 @62771 has 6 MA's), (8, 62786), (13, 62849), (17, 62861), (20, 62891), (22, 62900), (25, 62933), (29, 62975),

Gene: Syleon_115 Start: 63553, Stop: 63789, Start Num: 4
Candidate Starts for Syleon_115:
(Start: 4 @63553 has 6 MA's), (8, 63568), (13, 63631), (20, 63673), (22, 63682), (25, 63715), (29, 63757),

Gene: Trax_113 Start: 64896, Stop: 65138, Start Num: 4
Candidate Starts for Trax_113:
(2, 64836), (Start: 4 @64896 has 6 MA's), (16, 64989), (17, 64992), (18, 64995), (22, 65031), (24, 65061), (29, 65106),

Gene: Zooman_331 Start: 183965, Stop: 184198, Start Num: 5
Candidate Starts for Zooman_331:
(Start: 5 @183965 has 2 MA's), (13, 184040), (31, 184187),

Gene: Zooman_18 Start: 8314, Stop: 8547, Start Num: 5
Candidate Starts for Zooman_18:
(Start: 5 @8314 has 2 MA's), (13, 8389), (31, 8536),