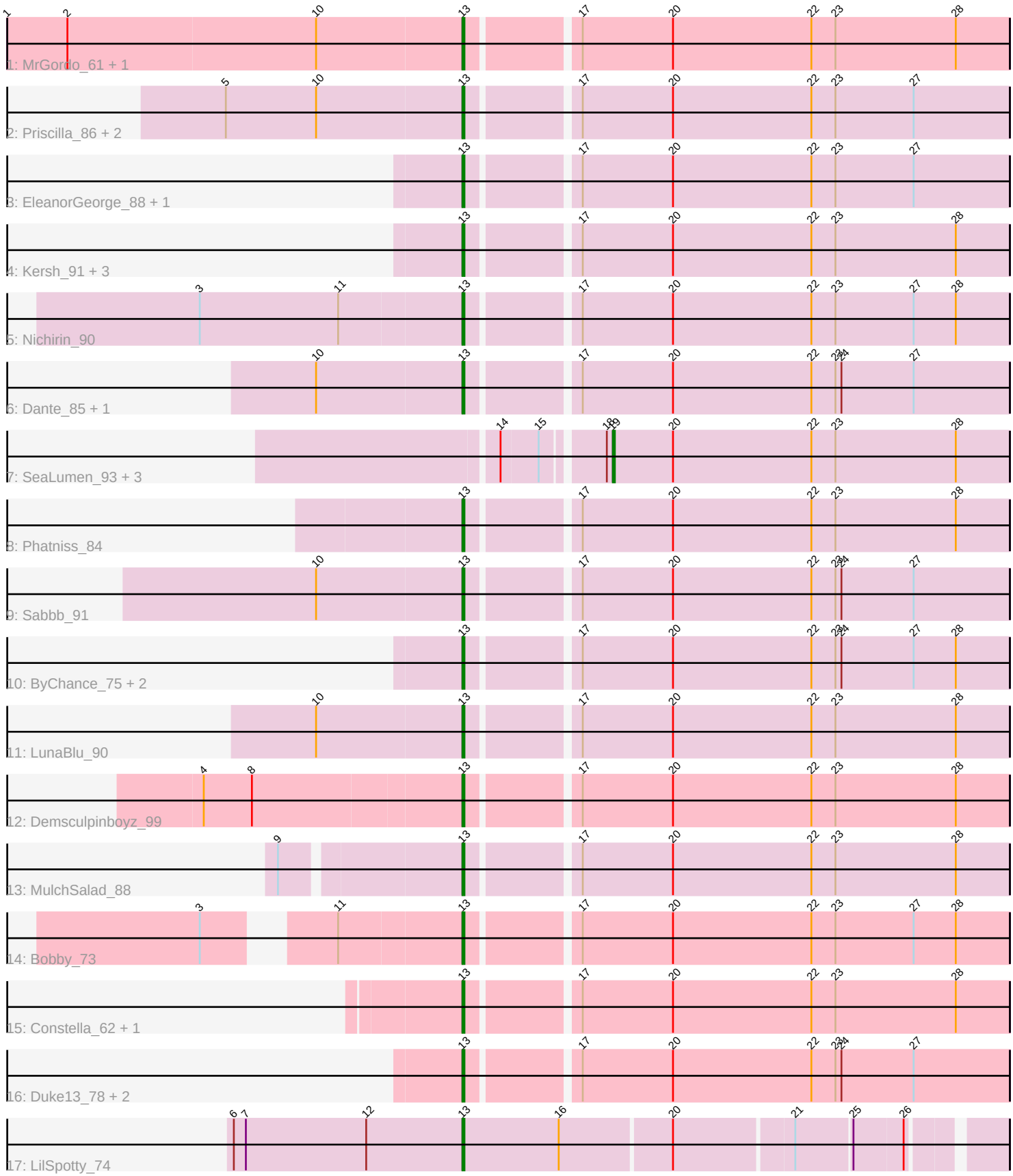
Pham 347877


1: MrGordo_61 + 1
2: Priscilla_86 + 2
3: EleanorGeorge_88 + 1
4: Kersh_91 + 3
5: Nichirin_90
6: Dante_85 + 1
7: SeaLumen_93 + 3
8: Phatniss_84
9: Sabbb_91
10: ByChance_75 + 2
11: LunaBlu_90
12: Demsculpinboyz_99
13: MulchSalad_88
14: Bobby_73
15: Constella_62 + 1
16: Duke13_78 + 2
17: LilSpotty_74

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 347877 Report

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

Pham number 347877 has 33 members, 4 are drafts.

Phages represented in each track:
• Track 1 : MrGordo_61, Big3_60
• Track 2 : Priscilla_86, NormanBulbieJr_84, Koella_78
• Track 3 : EleanorGeorge_88, VRedHorse_88
• Track 4 : Kersh_91, Avani_92, Frankie_91, Estave1_95
• Track 5 : Nichirin_90
• Track 6 : Dante_85, Latretium_88
• Track 7 : SeaLumen_93, Enzomatic_97, NewHope4_91, Polo2Bam_96
• Track 8 : Phatniss_84
• Track 9 : Sabbb_91
• Track 10 : ByChance_75, ShowerHandel_84, Martik_83
• Track 11 : LunaBlu_90
• Track 12 : Demsculpinboyz_99
• Track 13 : MulchSalad_88
• Track 14 : Bobby_73
• Track 15 : Constella_62, Xiaokay_66
• Track 16 : Duke13_78, BAKA_80, Sandalphon_86
• Track 17 : LilSpotty_74

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

The start number called the most often in the published annotations is 13, it was called in 28 of the 29 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Avani_92, BAKA_80, Big3_60, Bobby_73, ByChance_75, Constella_62, Dante_85, Demsculpinboyz_99, Duke13_78, EleanorGeorge_88, Estave1_95, Frankie_91, Kersh_91, Koella_78, Latretium_88, LilSpotty_74, LunaBlu_90, Martik_83, MrGordo_61, MulchSalad_88, Nichirin_90, NormanBulbieJr_84, Phatniss_84, Priscilla_86, Sabbb_91, Sandalphon_86, ShowerHandel_84, VRedHorse_88, Xiaokay_66,

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

Genes that do not have the "Most Annotated" start:
• Enzomatic_97, NewHope4_91, Polo2Bam_96, SeaLumen_93,

Summary by start number:

Start 13:
• Found in 29 of 33 (87.9%) of genes in pham
• Manual Annotations of this start: 28 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Avani_92 (F2), BAKA_80 (J), Big3_60 (A1), Bobby_73 (J), ByChance_75 (F1), Constella_62 (J), Dante_85 (F1), Demsculpinboyz_99 (F2), Duke13_78 (J), EleanorGeorge_88 (F1), Estave1_95 (F1), Frankie_91 (F1), Kersh_91 (F1), Koella_78 (F1), Latretium_88 (F1), LilSpotty_74 (singleton), LunaBlu_90 (F1), Martik_83 (F1), MrGordo_61 (A1), MulchSalad_88 (F7), Nichirin_90 (F1), NormanBulbieJr_84 (F1), Phatniss_84 (F1), Priscilla_86 (F1), Sabbb_91 (F1), Sandalphon_86 (F1), ShowerHandel_84 (F1), VRedHorse_88 (F1), Xiaokay_66 (J),

Start 19:
• Found in 4 of 33 (12.1%) of genes in pham
• Manual Annotations of this start: 1 of 29
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Enzomatic_97 (F1), NewHope4_91 (F1), Polo2Bam_96 (F1), SeaLumen_93 (F1),

Summary by clusters:

There are 6 clusters represented in this pham: F1, F2, F7, J, singleton, A1,

Info for manual annotations of cluster A1:
•Start number 13 was manually annotated 2 times for cluster A1.

Info for manual annotations of cluster F1:
•Start number 13 was manually annotated 18 times for cluster F1.
•Start number 19 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:
•Start number 13 was manually annotated 2 times for cluster F2.

Info for manual annotations of cluster F7:
•Start number 13 was manually annotated 1 time for cluster F7.

Info for manual annotations of cluster J:
•Start number 13 was manually annotated 4 times for cluster J.

Gene Information:

Gene: Avani_92 Start: 47963, Stop: 48226, Start Num: 13
Candidate Starts for Avani_92:
(Start: 13 @47963 has 28 MA's), (17, 48014), (20, 48059), (22, 48128), (23, 48140), (28, 48200),

Gene: BAKA_80 Start: 51903, Stop: 51640, Start Num: 13
Candidate Starts for BAKA_80:
(Start: 13 @51903 has 28 MA's), (17, 51852), (20, 51807), (22, 51738), (23, 51726), (24, 51723), (27, 51687),

Gene: Big3_60 Start: 41353, Stop: 41090, Start Num: 13
Candidate Starts for Big3_60:
(1, 41578), (2, 41548), (10, 41425), (Start: 13 @41353 has 28 MA's), (17, 41302), (20, 41257), (22, 41188), (23, 41176), (28, 41116),

Gene: Bobby_73 Start: 50187, Stop: 49924, Start Num: 13
Candidate Starts for Bobby_73:
(3, 50295), (11, 50247), (Start: 13 @50187 has 28 MA's), (17, 50136), (20, 50091), (22, 50022), (23, 50010), (27, 49971), (28, 49950),

Gene: ByChance_75 Start: 45418, Stop: 45681, Start Num: 13
Candidate Starts for ByChance_75:
(Start: 13 @45418 has 28 MA's), (17, 45469), (20, 45514), (22, 45583), (23, 45595), (24, 45598), (27, 45634), (28, 45655),

Gene: Constella_62 Start: 45574, Stop: 45311, Start Num: 13
Candidate Starts for Constella_62:
(Start: 13 @45574 has 28 MA's), (17, 45523), (20, 45478), (22, 45409), (23, 45397), (28, 45337),

Gene: Dante_85 Start: 51977, Stop: 52240, Start Num: 13
Candidate Starts for Dante_85:
(10, 51905), (Start: 13 @51977 has 28 MA's), (17, 52028), (20, 52073), (22, 52142), (23, 52154), (24, 52157), (27, 52193),

Gene: Demsculpinboyz_99 Start: 49902, Stop: 50165, Start Num: 13
Candidate Starts for Demsculpinboyz_99:
(4, 49776), (8, 49800), (Start: 13 @49902 has 28 MA's), (17, 49953), (20, 49998), (22, 50067), (23, 50079), (28, 50139),

Gene: Duke13_78 Start: 51115, Stop: 50852, Start Num: 13
Candidate Starts for Duke13_78:
(Start: 13 @51115 has 28 MA's), (17, 51064), (20, 51019), (22, 50950), (23, 50938), (24, 50935), (27, 50899),

Gene: EleanorGeorge_88 Start: 51489, Stop: 51752, Start Num: 13
Candidate Starts for EleanorGeorge_88:
(Start: 13 @51489 has 28 MA's), (17, 51540), (20, 51585), (22, 51654), (23, 51666), (27, 51705),

Gene: Enzomatic_97 Start: 49400, Stop: 49597, Start Num: 19
Candidate Starts for Enzomatic_97:
(14, 49352), (15, 49370), (18, 49397), (Start: 19 @49400 has 1 MA's), (20, 49430), (22, 49499), (23, 49511), (28, 49571),

Gene: Estave1_95 Start: 54321, Stop: 54584, Start Num: 13
Candidate Starts for Estave1_95:
(Start: 13 @54321 has 28 MA's), (17, 54372), (20, 54417), (22, 54486), (23, 54498), (28, 54558),

Gene: Frankie_91 Start: 51073, Stop: 51336, Start Num: 13

Candidate Starts for Frankie_91:
(Start: 13 @51073 has 28 MA's), (17, 51124), (20, 51169), (22, 51238), (23, 51250), (28, 51310),

Gene: Kersh_91 Start: 53207, Stop: 53470, Start Num: 13
Candidate Starts for Kersh_91:
(Start: 13 @53207 has 28 MA's), (17, 53258), (20, 53303), (22, 53372), (23, 53384), (28, 53444),

Gene: Koella_78 Start: 46912, Stop: 47175, Start Num: 13
Candidate Starts for Koella_78:
(5, 46795), (10, 46840), (Start: 13 @46912 has 28 MA's), (17, 46963), (20, 47008), (22, 47077), (23, 47089), (27, 47128),

Gene: Latretium_88 Start: 50268, Stop: 50531, Start Num: 13
Candidate Starts for Latretium_88:
(10, 50196), (Start: 13 @50268 has 28 MA's), (17, 50319), (20, 50364), (22, 50433), (23, 50445), (24, 50448), (27, 50484),

Gene: LilSpotty_74 Start: 43948, Stop: 44199, Start Num: 13
Candidate Starts for LilSpotty_74:
(6, 43834), (7, 43840), (12, 43900), (Start: 13 @43948 has 28 MA's), (16, 43996), (20, 44050), (21, 44107), (25, 44134), (26, 44158),

Gene: LunaBlu_90 Start: 51410, Stop: 51673, Start Num: 13
Candidate Starts for LunaBlu_90:
(10, 51338), (Start: 13 @51410 has 28 MA's), (17, 51461), (20, 51506), (22, 51575), (23, 51587), (28, 51647),

Gene: Martik_83 Start: 51429, Stop: 51692, Start Num: 13
Candidate Starts for Martik_83:
(Start: 13 @51429 has 28 MA's), (17, 51480), (20, 51525), (22, 51594), (23, 51606), (24, 51609), (27, 51645), (28, 51666),

Gene: MrGordo_61 Start: 40593, Stop: 40330, Start Num: 13
Candidate Starts for MrGordo_61:
(1, 40818), (2, 40788), (10, 40665), (Start: 13 @40593 has 28 MA's), (17, 40542), (20, 40497), (22, 40428), (23, 40416), (28, 40356),

Gene: MulchSalad_88 Start: 52045, Stop: 52308, Start Num: 13
Candidate Starts for MulchSalad_88:
(9, 51961), (Start: 13 @52045 has 28 MA's), (17, 52096), (20, 52141), (22, 52210), (23, 52222), (28, 52282),

Gene: NewHope4_91 Start: 49546, Stop: 49743, Start Num: 19
Candidate Starts for NewHope4_91:
(14, 49498), (15, 49516), (18, 49543), (Start: 19 @49546 has 1 MA's), (20, 49576), (22, 49645), (23, 49657), (28, 49717),

Gene: Nichirin_90 Start: 51229, Stop: 51492, Start Num: 13
Candidate Starts for Nichirin_90:
(3, 51100), (11, 51169), (Start: 13 @51229 has 28 MA's), (17, 51280), (20, 51325), (22, 51394), (23, 51406), (27, 51445), (28, 51466),

Gene: NormanBulbieJr_84 Start: 50926, Stop: 51189, Start Num: 13

Candidate Starts for NormanBulbieJr_84:
(5, 50809), (10, 50854), (Start: 13 @50926 has 28 MA's), (17, 50977), (20, 51022), (22, 51091), (23, 51103), (27, 51142),

Gene: Phatniss_84 Start: 49778, Stop: 50041, Start Num: 13
Candidate Starts for Phatniss_84:
(Start: 13 @49778 has 28 MA's), (17, 49829), (20, 49874), (22, 49943), (23, 49955), (28, 50015),

Gene: Polo2Bam_96 Start: 49400, Stop: 49597, Start Num: 19
Candidate Starts for Polo2Bam_96:
(14, 49352), (15, 49370), (18, 49397), (Start: 19 @49400 has 1 MA's), (20, 49430), (22, 49499), (23, 49511), (28, 49571),

Gene: Priscilla_86 Start: 51024, Stop: 51287, Start Num: 13
Candidate Starts for Priscilla_86:
(5, 50907), (10, 50952), (Start: 13 @51024 has 28 MA's), (17, 51075), (20, 51120), (22, 51189), (23, 51201), (27, 51240),

Gene: Sabbb_91 Start: 49225, Stop: 49488, Start Num: 13
Candidate Starts for Sabbb_91:
(10, 49153), (Start: 13 @49225 has 28 MA's), (17, 49276), (20, 49321), (22, 49390), (23, 49402), (24, 49405), (27, 49441),

Gene: Sandalphon_86 Start: 51411, Stop: 51674, Start Num: 13
Candidate Starts for Sandalphon_86:
(Start: 13 @51411 has 28 MA's), (17, 51462), (20, 51507), (22, 51576), (23, 51588), (24, 51591), (27, 51627),

Gene: SeaLumen_93 Start: 49400, Stop: 49597, Start Num: 19
Candidate Starts for SeaLumen_93:
(14, 49352), (15, 49370), (18, 49397), (Start: 19 @49400 has 1 MA's), (20, 49430), (22, 49499), (23, 49511), (28, 49571),

Gene: ShowerHandel_84 Start: 49356, Stop: 49619, Start Num: 13
Candidate Starts for ShowerHandel_84:
(Start: 13 @49356 has 28 MA's), (17, 49407), (20, 49452), (22, 49521), (23, 49533), (24, 49536), (27, 49572), (28, 49593),

Gene: VRedHorse_88 Start: 48460, Stop: 48723, Start Num: 13
Candidate Starts for VRedHorse_88:
(Start: 13 @48460 has 28 MA's), (17, 48511), (20, 48556), (22, 48625), (23, 48637), (27, 48676),

Gene: Xiaokay_66 Start: 47435, Stop: 47172, Start Num: 13
Candidate Starts for Xiaokay_66:
(Start: 13 @47435 has 28 MA's), (17, 47384), (20, 47339), (22, 47270), (23, 47258), (28, 47198),