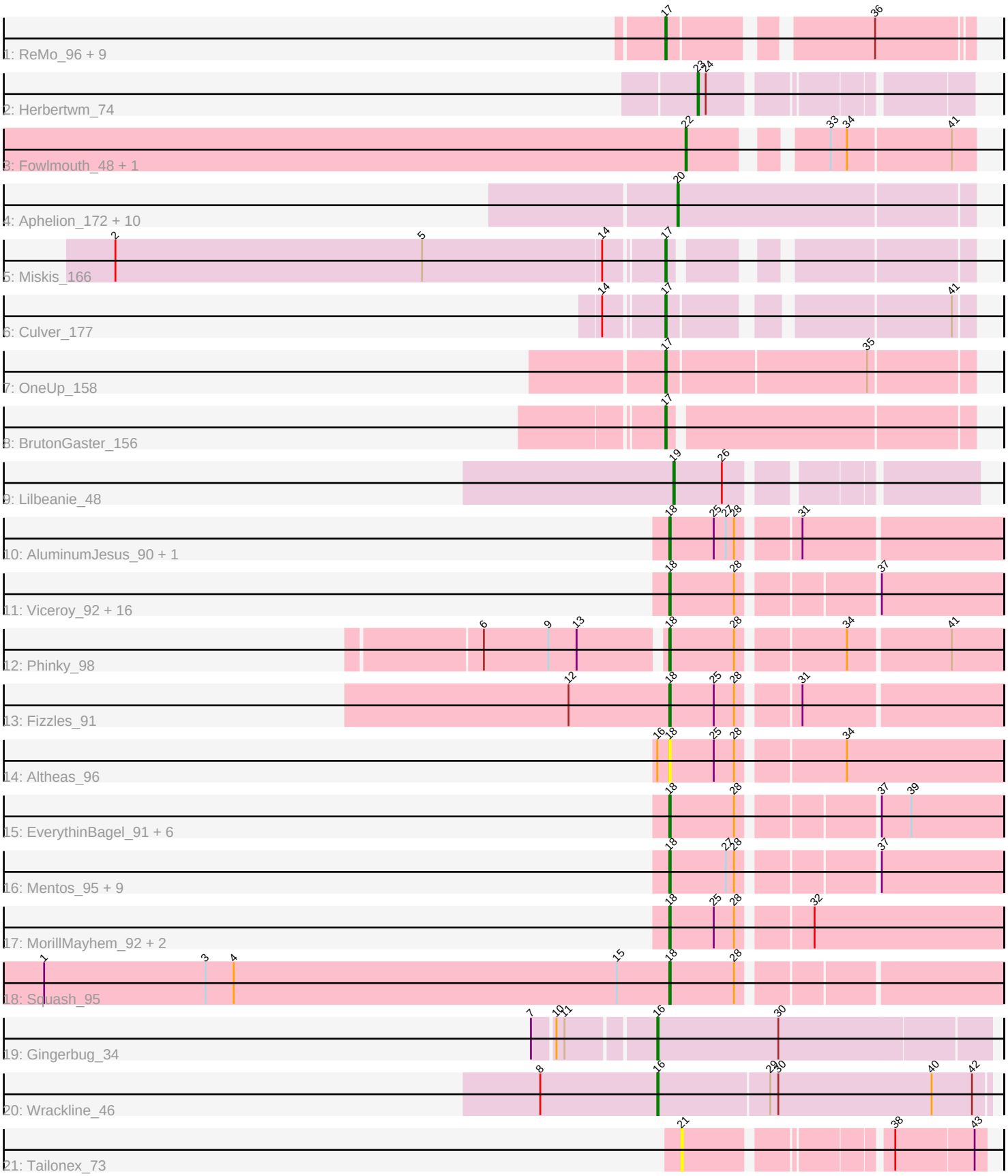
Pham 347555


1: ReMo_96 + 9
2: Herbertwm_74
3: Fowlmouth_48 + 1
4: Aphelion_172 + 10
5: Miskis_166
6: Culver_177
7: OneUp_158
8: BrutonGaster_156
9: Lilbeanie_48
10: AluminumJesus_90 + 1
11: Viceroy_92 + 16
12: Phinky_98
13: Fizzles_91
14: Altheas_96
15: EverythinBagel_91 + 6
16: Mentos_95 + 9
17: MorillMayhem_92 + 2
18: Squash_95
19: Gingerbug_34
20: Wrackline_46
21: Tailonex_73

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 347555 Report

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

Pham number 347555 has 75 members, 5 are drafts.

Phages represented in each track:
• Track 1 : ReMo_96, Looper_95, LastResort_96, Anaysia_98, Switzerland_96, Epsocamisio_96, JSwag_99, Boohoo_97, Nebulosus_95, ShayRa_96
• Track 2 : Herbertwm_74
• Track 3 : Fowlmouth_48, MrMiyagi_47
• Track 4 : Aphelion_172, WilliamBoone_179, Smoothie_175, ClubL_174, Cucurbita_173, Bachita_176, Toniann_174, PhinkBoden_171, Lozinak_174, Geeche_178, Norvs_171
• Track 5 : Miskis_166
• Track 6 : Culver_177
• Track 7 : OneUp_158
• Track 8 : BrutonGaster_156
• Track 9 : Lilbeanie_48
• Track 10 : AluminumJesus_90, Gazebo_92
• Track 11 : Viceroy_92, FrankDeliGuy_91, Rudy_91, DonaldDuck_93, Judebell_93, Hyperion_92, ZestyBestie_93, Zagie_95, Lonelysoil_91, Mashley_92, Nike_91, Kyva_98, Zhafia_96, Sillytadpoles_94, SlySloth_92, Llemily_93, Quammi_93
• Track 12 : Phinky_98
• Track 13 : Fizzles_91
• Track 14 : Altheas_96
• Track 15 : EverythinBagel_91, LilCahh_90, BabyDotz_91, Casend_94, Rowlf_90, Blab_90, Statler_96
• Track 16 : Mentos_95, Wheelie_93, Namago_95, StrawberryJamm_99, SallyK_95, Wayne3_95, Teehee_94, Grassboy_98, Phabia_93, Jehoshaphat_95
• Track 17 : MorillMayhem_92, BaconCheese_94, Mila11_93
• Track 18 : Squash_95
• Track 19 : Gingerbug_34
• Track 20 : Wrackline_46
• Track 21 : Tailonex_73

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

The start number called the most often in the published annotations is 18, it was called in 40 of the 70 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Altheas_96, AluminumJesus_90, BabyDotz_91, BaconCheese_94, Blab_90, Casend_94, DonaldDuck_93, EverythinBagel_91, Fizzles_91, FrankDeliGuy_91, Gazebo_92, Grassboy_98, Hyperion_92, Jehoshaphat_95, Judebell_93, Kyva_98, LilCahh_90, Llemily_93, Lonelysoil_91, Mashley_92, Mentos_95, Mila11_93, MorillMayhem_92, Namago_95, Nike_91, Phabia_93, Phinky_98, Quammi_93, Rowlf_90, Rudy_91, SallyK_95, Sillytadpoles_94, SlySloth_92, Squash_95, Statler_96, StrawberryJamm_99, Teehee_94, Viceroy_92, Wayne3_95, Wheelie_93, Zagie_95, ZestyBestie_93, Zhafia_96,

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

Genes that do not have the "Most Annotated" start:
• Anaysia_98, Aphelion_172, Bachita_176, Boohoo_97, BrutonGaster_156, ClubL_174, Cucurbita_173, Culver_177, Epsocamisio_96, Fowlmouth_48, Geeche_178, Gingerbug_34, Herbertwm_74, JSwag_99, LastResort_96, Lilbeanie_48, Looper_95, Lozinak_174, Miskis_166, MrMiyagi_47, Nebulosus_95, Norvs_171, OneUp_158, PhinkBoden_171, ReMo_96, ShayRa_96, Smoothie_175, Switzerland_96, Tailonex_73, Toniann_174, WilliamBoone_179, Wrackline_46,

Summary by start number:

Start 16:
• Found in 3 of 75 (4.0%) of genes in pham
• Manual Annotations of this start: 2 of 70
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Gingerbug_34 (GF), Wrackline_46 (GF),

Start 17:
• Found in 14 of 75 (18.7%) of genes in pham
• Manual Annotations of this start: 14 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anaysia_98 (A15), Boohoo_97 (A15), BrutonGaster_156 (CQ2), Culver_177 (CQ1), Epsocamisio_96 (A15), JSwag_99 (A15), LastResort_96 (A15), Looper_95 (A15), Miskis_166 (CQ1), Nebulosus_95 (A15), OneUp_158 (CQ2), ReMo_96 (A15), ShayRa_96 (A15), Switzerland_96 (A15),

Start 18:
• Found in 43 of 75 (57.3%) of genes in pham
• Manual Annotations of this start: 40 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altheas_96 (EG), AluminumJesus_90 (EG), BabyDotz_91 (EG), BaconCheese_94 (EG), Blab_90 (EG), Casend_94 (EG), DonaldDuck_93 (EG), EverythinBagel_91 (EG), Fizzles_91 (EG), FrankDeliGuy_91 (EG), Gazebo_92 (EG), Grassboy_98 (EG), Hyperion_92 (EG), Jehoshaphat_95 (EG), Judebell_93 (EG), Kyva_98 (EG), LilCahh_90 (EG), Llemily_93 (EG), Lonelysoil_91 (EG), Mashley_92 (EG), Mentos_95 (EG), Mila11_93 (EG), MorillMayhem_92 (EG), Namago_95 (EG), Nike_91 (EG), Phabia_93 (EG), Phinky_98 (EG), Quammi_93 (EG), Rowlf_90 (EG), Rudy_91 (EG), SallyK_95 (EG), Sillytadpoles_94 (EG), SlySloth_92 (EG), Squash_95 (EG), Statler_96 (EG), StrawberryJamm_99 (EG), Teehee_94 (EG), Viceroy_92 (EG), Wayne3_95 (EG), Wheelie_93 (EG), Zagie_95 (EG), ZestyBestie_93 (EG), Zhafia_96 (EG),

Start 19:
• Found in 1 of 75 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lilbeanie_48 (DE5),

Start 20:
• Found in 11 of 75 (14.7%) of genes in pham
• Manual Annotations of this start: 10 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aphelion_172 (CQ1), Bachita_176 (CQ1), ClubL_174 (CQ1), Cucurbita_173 (CQ1), Geeche_178 (CQ1), Lozinak_174 (CQ1), Norvs_171 (CQ1), PhinkBoden_171 (CQ1), Smoothie_175 (CQ1), Toniann_174 (CQ1), WilliamBoone_179 (CQ1),

Start 21:
• Found in 1 of 75 (1.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tailonex_73 (singleton),

Start 22:
• Found in 2 of 75 (2.7%) of genes in pham
• Manual Annotations of this start: 2 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fowlmouth_48 (AC), MrMiyagi_47 (AC),

Start 23:
• Found in 1 of 75 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 70
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Herbertwm_74 (A2),

Summary by clusters:

There are 9 clusters represented in this pham: A15, AC, EG, DE5, singleton, GF, A2, CQ2, CQ1,

Info for manual annotations of cluster A15:
•Start number 17 was manually annotated 10 times for cluster A15.

Info for manual annotations of cluster A2:
•Start number 23 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster AC:
•Start number 22 was manually annotated 2 times for cluster AC.

Info for manual annotations of cluster CQ1:
•Start number 17 was manually annotated 2 times for cluster CQ1.
•Start number 20 was manually annotated 10 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

•Start number 17 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster DE5:
•Start number 19 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster EG:
•Start number 18 was manually annotated 40 times for cluster EG.

Info for manual annotations of cluster GF:
•Start number 16 was manually annotated 2 times for cluster GF.

Gene Information:

Gene: Altheas_96 Start: 58403, Stop: 58167, Start Num: 18
Candidate Starts for Altheas_96:
(Start: 16 @58412 has 2 MA's), (Start: 18 @58403 has 40 MA's), (25, 58370), (28, 58355), (34, 58283),

Gene: AluminumJesus_90 Start: 56836, Stop: 56606, Start Num: 18
Candidate Starts for AluminumJesus_90:
(Start: 18 @56836 has 40 MA's), (25, 56803), (27, 56794), (28, 56788), (31, 56749),

Gene: Anaysia_98 Start: 50449, Stop: 50252, Start Num: 17
Candidate Starts for Anaysia_98:
(Start: 17 @50449 has 14 MA's), (36, 50320),

Gene: Aphelion_172 Start: 87944, Stop: 87729, Start Num: 20
Candidate Starts for Aphelion_172:
(Start: 20 @87944 has 10 MA's),

Gene: BabyDotz_91 Start: 58703, Stop: 58476, Start Num: 18
Candidate Starts for BabyDotz_91:
(Start: 18 @58703 has 40 MA's), (28, 58655), (37, 58565), (39, 58544),

Gene: Bachita_176 Start: 88020, Stop: 87805, Start Num: 20
Candidate Starts for Bachita_176:
(Start: 20 @88020 has 10 MA's),

Gene: BaconCheese_94 Start: 58803, Stop: 58567, Start Num: 18
Candidate Starts for BaconCheese_94:
(Start: 18 @58803 has 40 MA's), (25, 58770), (28, 58755), (32, 58707),

Gene: Blab_90 Start: 57409, Stop: 57182, Start Num: 18
Candidate Starts for Blab_90:
(Start: 18 @57409 has 40 MA's), (28, 57361), (37, 57271), (39, 57250),

Gene: Boohoo_97 Start: 49766, Stop: 49569, Start Num: 17
Candidate Starts for Boohoo_97:
(Start: 17 @49766 has 14 MA's), (36, 49637),

Gene: BrutonGaster_156 Start: 84309, Stop: 84094, Start Num: 17
Candidate Starts for BrutonGaster_156:

(Start: 17 @84309 has 14 MA's),

Gene: Casend_94 Start: 58038, Stop: 57811, Start Num: 18
Candidate Starts for Casend_94:
(Start: 18 @58038 has 40 MA's), (28, 57990), (37, 57900), (39, 57879),

Gene: ClubL_174 Start: 87265, Stop: 87050, Start Num: 20
Candidate Starts for ClubL_174:
(Start: 20 @87265 has 10 MA's),

Gene: Cucurbita_173 Start: 88326, Stop: 88111, Start Num: 20
Candidate Starts for Cucurbita_173:
(Start: 20 @88326 has 10 MA's),

Gene: Culver_177 Start: 86978, Stop: 86781, Start Num: 17
Candidate Starts for Culver_177:
(14, 87017), (Start: 17 @86978 has 14 MA's), (41, 86795),

Gene: DonaldDuck_93 Start: 57438, Stop: 57211, Start Num: 18
Candidate Starts for DonaldDuck_93:
(Start: 18 @57438 has 40 MA's), (28, 57390), (37, 57300),

Gene: Epsocamisio_96 Start: 50125, Stop: 49928, Start Num: 17
Candidate Starts for Epsocamisio_96:
(Start: 17 @50125 has 14 MA's), (36, 49996),

Gene: EverythinBagel_91 Start: 57233, Stop: 57006, Start Num: 18
Candidate Starts for EverythinBagel_91:
(Start: 18 @57233 has 40 MA's), (28, 57185), (37, 57095), (39, 57074),

Gene: Fizzles_91 Start: 57426, Stop: 57196, Start Num: 18
Candidate Starts for Fizzles_91:
(12, 57501), (Start: 18 @57426 has 40 MA's), (25, 57393), (28, 57378), (31, 57339),

Gene: Fowlmouth_48 Start: 36213, Stop: 36398, Start Num: 22
Candidate Starts for Fowlmouth_48:
(Start: 22 @36213 has 2 MA's), (33, 36294), (34, 36306), (41, 36381),

Gene: FrankDeliGuy_91 Start: 57716, Stop: 57489, Start Num: 18
Candidate Starts for FrankDeliGuy_91:
(Start: 18 @57716 has 40 MA's), (28, 57668), (37, 57578),

Gene: Gazebo_92 Start: 57414, Stop: 57184, Start Num: 18
Candidate Starts for Gazebo_92:
(Start: 18 @57414 has 40 MA's), (25, 57381), (27, 57372), (28, 57366), (31, 57327),

Gene: Geeche_178 Start: 88689, Stop: 88474, Start Num: 20
Candidate Starts for Geeche_178:
(Start: 20 @88689 has 10 MA's),

Gene: Gingerbug_34 Start: 23484, Stop: 23242, Start Num: 16
Candidate Starts for Gingerbug_34:
(7, 23565), (10, 23550), (11, 23544), (Start: 16 @23484 has 2 MA's), (30, 23394),

Gene: Grassboy_98 Start: 58339, Stop: 58112, Start Num: 18
Candidate Starts for Grassboy_98:
(Start: 18 @58339 has 40 MA's), (27, 58297), (28, 58291), (37, 58201),

Gene: Herbertwm_74 Start: 45652, Stop: 45476, Start Num: 23
Candidate Starts for Herbertwm_74:
(Start: 23 @45652 has 1 MA's), (24, 45646),

Gene: Hyperion_92 Start: 57476, Stop: 57249, Start Num: 18
Candidate Starts for Hyperion_92:
(Start: 18 @57476 has 40 MA's), (28, 57428), (37, 57338),

Gene: JSwag_99 Start: 49973, Stop: 49776, Start Num: 17
Candidate Starts for JSwag_99:
(Start: 17 @49973 has 14 MA's), (36, 49844),

Gene: Jehoshaphat_95 Start: 58072, Stop: 57845, Start Num: 18
Candidate Starts for Jehoshaphat_95:
(Start: 18 @58072 has 40 MA's), (27, 58030), (28, 58024), (37, 57934),

Gene: Judebell_93 Start: 57470, Stop: 57243, Start Num: 18
Candidate Starts for Judebell_93:
(Start: 18 @57470 has 40 MA's), (28, 57422), (37, 57332),

Gene: Kyva_98 Start: 58363, Stop: 58136, Start Num: 18
Candidate Starts for Kyva_98:
(Start: 18 @58363 has 40 MA's), (28, 58315), (37, 58225),

Gene: LastResort_96 Start: 50207, Stop: 50010, Start Num: 17
Candidate Starts for LastResort_96:
(Start: 17 @50207 has 14 MA's), (36, 50078),

Gene: LilCahh_90 Start: 56864, Stop: 56637, Start Num: 18
Candidate Starts for LilCahh_90:
(Start: 18 @56864 has 40 MA's), (28, 56816), (37, 56726), (39, 56705),

Gene: Lilbeanie_48 Start: 36836, Stop: 37033, Start Num: 19
Candidate Starts for Lilbeanie_48:
(Start: 19 @36836 has 1 MA's), (26, 36872),

Gene: Llemily_93 Start: 57133, Stop: 56906, Start Num: 18
Candidate Starts for Llemily_93:
(Start: 18 @57133 has 40 MA's), (28, 57085), (37, 56995),

Gene: Lonelysoil_91 Start: 56893, Stop: 56666, Start Num: 18
Candidate Starts for Lonelysoil_91:
(Start: 18 @56893 has 40 MA's), (28, 56845), (37, 56755),

Gene: Looper_95 Start: 49056, Stop: 48859, Start Num: 17
Candidate Starts for Looper_95:
(Start: 17 @49056 has 14 MA's), (36, 48927),

Gene: Lozinak_174 Start: 87869, Stop: 87654, Start Num: 20
Candidate Starts for Lozinak_174:
(Start: 20 @87869 has 10 MA's),

Gene: Mashley_92 Start: 57565, Stop: 57338, Start Num: 18
Candidate Starts for Mashley_92:
(Start: 18 @57565 has 40 MA's), (28, 57517), (37, 57427),

Gene: Mentos_95 Start: 58524, Stop: 58297, Start Num: 18
Candidate Starts for Mentos_95:
(Start: 18 @58524 has 40 MA's), (27, 58482), (28, 58476), (37, 58386),

Gene: Mila11_93 Start: 58854, Stop: 58618, Start Num: 18
Candidate Starts for Mila11_93:
(Start: 18 @58854 has 40 MA's), (25, 58821), (28, 58806), (32, 58758),

Gene: Miskis_166 Start: 86835, Stop: 86647, Start Num: 17
Candidate Starts for Miskis_166:
(2, 87228), (5, 87000), (14, 86868), (Start: 17 @86835 has 14 MA's),

Gene: MorillMayhem_92 Start: 57693, Stop: 57457, Start Num: 18
Candidate Starts for MorillMayhem_92:
(Start: 18 @57693 has 40 MA's), (25, 57660), (28, 57645), (32, 57597),

Gene: MrMiyagi_47 Start: 36597, Stop: 36782, Start Num: 22
Candidate Starts for MrMiyagi_47:
(Start: 22 @36597 has 2 MA's), (33, 36678), (34, 36690), (41, 36765),

Gene: Namago_95 Start: 57620, Stop: 57393, Start Num: 18
Candidate Starts for Namago_95:
(Start: 18 @57620 has 40 MA's), (27, 57578), (28, 57572), (37, 57482),

Gene: Nebulosus_95 Start: 49764, Stop: 49567, Start Num: 17
Candidate Starts for Nebulosus_95:
(Start: 17 @49764 has 14 MA's), (36, 49635),

Gene: Nike_91 Start: 57838, Stop: 57611, Start Num: 18
Candidate Starts for Nike_91:
(Start: 18 @57838 has 40 MA's), (28, 57790), (37, 57700),

Gene: Norvs_171 Start: 87045, Stop: 86830, Start Num: 20
Candidate Starts for Norvs_171:
(Start: 20 @87045 has 10 MA's),

Gene: OneUp_158 Start: 86856, Stop: 86638, Start Num: 17
Candidate Starts for OneUp_158:
(Start: 17 @86856 has 14 MA's), (35, 86712),

Gene: Phabia_93 Start: 57470, Stop: 57243, Start Num: 18
Candidate Starts for Phabia_93:
(Start: 18 @57470 has 40 MA's), (27, 57428), (28, 57422), (37, 57332),

Gene: PhinkBoden_171 Start: 87443, Stop: 87228, Start Num: 20

Candidate Starts for PhinkBoden_171:
(Start: 20 @87443 has 10 MA's),

Gene: Phinky_98 Start: 59193, Stop: 58963, Start Num: 18
Candidate Starts for Phinky_98:
(6, 59322), (9, 59274), (13, 59253), (Start: 18 @59193 has 40 MA's), (28, 59145), (34, 59073), (41, 59001),

Gene: Quammi_93 Start: 57415, Stop: 57188, Start Num: 18
Candidate Starts for Quammi_93:
(Start: 18 @57415 has 40 MA's), (28, 57367), (37, 57277),

Gene: ReMo_96 Start: 50190, Stop: 49993, Start Num: 17
Candidate Starts for ReMo_96:
(Start: 17 @50190 has 14 MA's), (36, 50061),

Gene: Rowlf_90 Start: 57283, Stop: 57056, Start Num: 18
Candidate Starts for Rowlf_90:
(Start: 18 @57283 has 40 MA's), (28, 57235), (37, 57145), (39, 57124),

Gene: Rudy_91 Start: 57281, Stop: 57054, Start Num: 18
Candidate Starts for Rudy_91:
(Start: 18 @57281 has 40 MA's), (28, 57233), (37, 57143),

Gene: SallyK_95 Start: 58436, Stop: 58209, Start Num: 18
Candidate Starts for SallyK_95:
(Start: 18 @58436 has 40 MA's), (27, 58394), (28, 58388), (37, 58298),

Gene: ShayRa_96 Start: 48822, Stop: 48625, Start Num: 17
Candidate Starts for ShayRa_96:
(Start: 17 @48822 has 14 MA's), (36, 48693),

Gene: Sillytadpoles_94 Start: 57121, Stop: 56894, Start Num: 18
Candidate Starts for Sillytadpoles_94:
(Start: 18 @57121 has 40 MA's), (28, 57073), (37, 56983),

Gene: SlySloth_92 Start: 57237, Stop: 57010, Start Num: 18
Candidate Starts for SlySloth_92:
(Start: 18 @57237 has 40 MA's), (28, 57189), (37, 57099),

Gene: Smoothie_175 Start: 87741, Stop: 87526, Start Num: 20
Candidate Starts for Smoothie_175:
(Start: 20 @87741 has 10 MA's),

Gene: Squash_95 Start: 57828, Stop: 57601, Start Num: 18
Candidate Starts for Squash_95:
(1, 58293), (3, 58173), (4, 58152), (15, 57867), (Start: 18 @57828 has 40 MA's), (28, 57780),

Gene: Statler_96 Start: 57852, Stop: 57625, Start Num: 18
Candidate Starts for Statler_96:
(Start: 18 @57852 has 40 MA's), (28, 57804), (37, 57714), (39, 57693),

Gene: StrawberryJamm_99 Start: 57390, Stop: 57163, Start Num: 18

Candidate Starts for StrawberryJamm_99:
(Start: 18 @57390 has 40 MA's), (27, 57348), (28, 57342), (37, 57252),

Gene: Switzerland_96 Start: 49791, Stop: 49594, Start Num: 17
Candidate Starts for Switzerland_96:
(Start: 17 @49791 has 14 MA's), (36, 49662),

Gene: Tailonex_73 Start: 46544, Stop: 46347, Start Num: 21
Candidate Starts for Tailonex_73:
(21, 46544), (38, 46412), (43, 46355),

Gene: Teehee_94 Start: 58069, Stop: 57842, Start Num: 18
Candidate Starts for Teehee_94:
(Start: 18 @58069 has 40 MA's), (27, 58027), (28, 58021), (37, 57931),

Gene: Toniann_174 Start: 87186, Stop: 86971, Start Num: 20
Candidate Starts for Toniann_174:
(Start: 20 @87186 has 10 MA's),

Gene: Viceroy_92 Start: 57236, Stop: 57009, Start Num: 18
Candidate Starts for Viceroy_92:
(Start: 18 @57236 has 40 MA's), (28, 57188), (37, 57098),

Gene: Wayne3_95 Start: 58039, Stop: 57812, Start Num: 18
Candidate Starts for Wayne3_95:
(Start: 18 @58039 has 40 MA's), (27, 57997), (28, 57991), (37, 57901),

Gene: Wheelie_93 Start: 57360, Stop: 57133, Start Num: 18
Candidate Starts for Wheelie_93:
(Start: 18 @57360 has 40 MA's), (27, 57318), (28, 57312), (37, 57222),

Gene: WilliamBoone_179 Start: 86680, Stop: 86468, Start Num: 20
Candidate Starts for WilliamBoone_179:
(Start: 20 @86680 has 10 MA's),

Gene: Wrackline_46 Start: 25700, Stop: 25458, Start Num: 16
Candidate Starts for Wrackline_46:
(8, 25787), (Start: 16 @25700 has 2 MA's), (29, 25619), (30, 25613), (40, 25499), (42, 25469),

Gene: Zagie_95 Start: 57881, Stop: 57654, Start Num: 18
Candidate Starts for Zagie_95:
(Start: 18 @57881 has 40 MA's), (28, 57833), (37, 57743),

Gene: ZestyBestie_93 Start: 57711, Stop: 57484, Start Num: 18
Candidate Starts for ZestyBestie_93:
(Start: 18 @57711 has 40 MA's), (28, 57663), (37, 57573),

Gene: Zhafia_96 Start: 57915, Stop: 57688, Start Num: 18
Candidate Starts for Zhafia_96:
(Start: 18 @57915 has 40 MA's), (28, 57867), (37, 57777),