

Pham 1260



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 1260 Report

This analysis was run 04/28/24 on database version 559.

Pham number 1260 has 82 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Twitch_96, QuincyRose_93, Mynx_96, Belladonna_96, Tiri_96, Inky_95, Padfoot_95, Spock_95, Durfee_96, Anaya_98, Zavala_97, Veliki_96, Peel_95, BaghaKamala_95, Rapunzel97_98, CheetoDust_95, Angelica_94, CrimD_95, Dalmuri_96, Hyperbowlee_94, CREW_94, Ganymede_95, Pokerus_95, Geraldini_96, BEEST_95, Beezoo_99, Sulley_94, CaseJules_99, Homura_94, Joy99_97, BarrelRoll_95, Padpat_100, Ageofdapage_99, Deby_95, Piatt_94, Jarvi_95, Boiii_96, Asayake_96, Jeckyll_96, YoureAdopted_94
- Track 2 : BGlluviae_95
- Track 3 : MeaningOfLife_97, Lunahalos_95, Blizzard_96, Adephagia_94, Topper_95, Rosmarinus_96, HedwigODU_95, JAWS_94, Tachez_96, TruffulaTree_97, Slimphazie_98
- Track 4 : Zabiza_91, AlishaPH_88, Atiba_96, Megsy_100, Adonis_95, TreyKay_97, Emerson_100, LindNT_93, Ramen_96, ActinUp_96, ShiaSurprise_98, Prithvi_97, Jayhawk_96, Llorens_94, TaiwanKao_97
- Track 5 : Bella96_97
- Track 6 : Illumine_99, Devera_102, TiniBug_94, Dole_98
- Track 7 : Murucutumbu_95
- Track 8 : Capricorn_96
- Track 9 : Stinson_96
- Track 10 : LaterM_95
- Track 11 : SamuelLPlaqson_97, Urkel_97, DrHayes_97
- Track 12 : Apocalypse_98
- Track 13 : Omnicron_38
- Track 14 : Waterfoul_36

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

The start number called the most often in the published annotations is 3, it was called in 51 of the 77 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ageofdapage_99, Anaya_98, Angelica_94, Asayake_96, BEEST_95, BGlluviae_95, BaghaKamala_95, BarrelRoll_95, Beezoo_99, Bella96_97, Belladonna_96, Boiii_96, CREW_94, Capricorn_96, CaseJules_99, CheetoDust_95, CrimD_95, Dalmuri_96,

Deby_95, Devera_102, Dole_98, DrHayes_97, Durfee_96, Ganymede_95, Geraldini_96, Homura_94, Hyperbowlee_94, Illumine_99, Inky_95, Jarvi_95, Jeckyll_96, Joy99_97, Mynx_96, Padfoot_95, Padpat_100, Peel_95, Piatt_94, Pokerus_95, QuincyRose_93, Rapunzel97_98, SamuelLPlaqsom_97, Spock_95, Sulley_94, TiniBug_94, Tiri_96, Twitch_96, Urkel_97, Veliki_96, Waterfoul_36, YoureAdopted_94, Zavala_97,

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

- ActinUp_96, Adephagia_94, Adonis_95, AlishaPH_88, Apocalypse_98, Atiba_96, Blizzard_96, Emerson_100, HedwigODU_95, JAWS_94, Jayhawk_96, LaterM_95, LindNT_93, Llorens_94, Lunahalos_95, MeaningOfLife_97, Megsy_100, Murucutumbu_95, Prithvi_97, Ramen_96, Rosmarinus_96, ShiaSurprise_98, Slimphazie_98, Stinson_96, Tachez_96, TaiwanKao_97, Topper_95, TreyKay_97, TruffulaTree_97, Zabiza_91,

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

- Omnicron_38,

Summary by start number:

Start 1:

- Found in 1 of 82 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 77
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Omnicron_38 (K5),

Start 2:

- Found in 80 of 82 (97.6%) of genes in pham
- Manual Annotations of this start: 13 of 77
- Called 16.2% of time when present
- Phage (with cluster) where this start called: Adephagia_94 (K1), Apocalypse_98 (K1), Blizzard_96 (K1), HedwigODU_95 (K1), JAWS_94 (K1), LaterM_95 (K1), Lunahalos_95 (K1), MeaningOfLife_97 (K1), Rosmarinus_96 (K1), Slimphazie_98 (K1), Tachez_96 (K1), Topper_95 (K1), TruffulaTree_97 (K1),

Start 3:

- Found in 81 of 82 (98.8%) of genes in pham
- Manual Annotations of this start: 51 of 77
- Called 63.0% of time when present
- Phage (with cluster) where this start called: Ageofdapage_99 (K1), Anaya_98 (K1), Angelica_94 (K1), Asayake_96 (K1), BEEST_95 (K1), BGlluviae_95 (K1), BaghaKamala_95 (K1), BarrelRoll_95 (K1), Beezoo_99 (K1), Bella96_97 (K1), Belladonna_96 (K1), Boiiii_96 (K1), CREW_94 (K1), Capricorn_96 (K1), CaseJules_99 (K1), CheetoDust_95 (K1), CrimD_95 (K1), Dalmuri_96 (K1), Deby_95 (K1), Devera_102 (K1), Dole_98 (K1), DrHayes_97 (K1), Durfee_96 (K1), Ganymede_95 (K1), Geraldini_96 (K1), Homura_94 (K1), Hyperbowlee_94 (K1), Illumine_99 (K1), Inky_95 (K1), Jarvi_95 (K1), Jeckyll_96 (K1), Joy99_97 (K1), Mynx_96 (K1), Padfoot_95 (K1), Padpat_100 (K1), Peel_95 (K1), Piatt_94 (K1), Pokerus_95 (K1), QuincyRose_93 (K1), Rapunzel97_98 (K1), SamuelLPlaqsom_97 (K1), Spock_95 (K1), Sulley_94 (K1), TiniBug_94 (K1), Tiri_96 (K1), Twitch_96 (K1), Urkel_97 (K1), Veliki_96 (K1), Waterfoul_36 (K5), YoureAdopted_94 (K1), Zavala_97 (K1),

Start 7:

- Found in 76 of 82 (92.7%) of genes in pham
- Manual Annotations of this start: 12 of 77
- Called 22.4% of time when present
- Phage (with cluster) where this start called: ActinUp_96 (K1), Adonis_95 (K1), AlishaPH_88 (K1), Atiba_96 (K1), Emerson_100 (K1), Jayhawk_96 (K1), LindNT_93 (K1), Llorens_94 (K1), Megsy_100 (K1), Murucutumbu_95 (K1), Prithvi_97 (K1), Ramen_96 (K1), ShiaSurprise_98 (K1), Stinson_96 (K1), TaiwanKao_97 (K1), TreyKay_97 (K1), Zabiza_91 (K1),

Summary by clusters:

There are 2 clusters represented in this pham: K1, K5,

Info for manual annotations of cluster K1:

- Start number 2 was manually annotated 13 times for cluster K1.
- Start number 3 was manually annotated 50 times for cluster K1.
- Start number 7 was manually annotated 12 times for cluster K1.

Info for manual annotations of cluster K5:

- Start number 1 was manually annotated 1 time for cluster K5.
- Start number 3 was manually annotated 1 time for cluster K5.

Gene Information:

Gene: ActinUp_96 Start: 59320, Stop: 59454, Start Num: 7

Candidate Starts for ActinUp_96:

(Start: 2 @59269 has 13 MA's), (Start: 3 @59272 has 51 MA's), (Start: 7 @59320 has 12 MA's), (13, 59401),

Gene: Adephagia_94 Start: 59103, Stop: 59288, Start Num: 2

Candidate Starts for Adephagia_94:

(Start: 2 @59103 has 13 MA's), (Start: 3 @59106 has 51 MA's), (Start: 7 @59154 has 12 MA's), (13, 59235),

Gene: Adonis_95 Start: 59539, Stop: 59673, Start Num: 7

Candidate Starts for Adonis_95:

(Start: 2 @59488 has 13 MA's), (Start: 3 @59491 has 51 MA's), (Start: 7 @59539 has 12 MA's), (13, 59620),

Gene: Ageofdapage_99 Start: 60075, Stop: 60257, Start Num: 3

Candidate Starts for Ageofdapage_99:

(Start: 2 @60072 has 13 MA's), (Start: 3 @60075 has 51 MA's), (Start: 7 @60123 has 12 MA's), (13, 60204),

Gene: AlishaPH_88 Start: 56542, Stop: 56676, Start Num: 7

Candidate Starts for AlishaPH_88:

(Start: 2 @56491 has 13 MA's), (Start: 3 @56494 has 51 MA's), (Start: 7 @56542 has 12 MA's), (13, 56623),

Gene: Anaya_98 Start: 60294, Stop: 60476, Start Num: 3

Candidate Starts for Anaya_98:

(Start: 2 @60291 has 13 MA's), (Start: 3 @60294 has 51 MA's), (Start: 7 @60342 has 12 MA's), (13, 60423),

Gene: Angelica_94 Start: 59058, Stop: 59240, Start Num: 3

Candidate Starts for Angelica_94:

(Start: 2 @59055 has 13 MA's), (Start: 3 @59058 has 51 MA's), (Start: 7 @59106 has 12 MA's), (13, 59187),

Gene: Apocalypse_98 Start: 59406, Stop: 59591, Start Num: 2

Candidate Starts for Apocalypse_98:

(Start: 2 @59406 has 13 MA's), (Start: 3 @59409 has 51 MA's), (9, 59472), (11, 59484), (12, 59532), (13, 59538),

Gene: Asayake_96 Start: 59365, Stop: 59547, Start Num: 3

Candidate Starts for Asayake_96:

(Start: 2 @59362 has 13 MA's), (Start: 3 @59365 has 51 MA's), (Start: 7 @59413 has 12 MA's), (13, 59494),

Gene: Atiba_96 Start: 59064, Stop: 59198, Start Num: 7

Candidate Starts for Atiba_96:

(Start: 2 @59013 has 13 MA's), (Start: 3 @59016 has 51 MA's), (Start: 7 @59064 has 12 MA's), (13, 59145),

Gene: BEEST_95 Start: 59366, Stop: 59548, Start Num: 3

Candidate Starts for BEEST_95:

(Start: 2 @59363 has 13 MA's), (Start: 3 @59366 has 51 MA's), (Start: 7 @59414 has 12 MA's), (13, 59495),

Gene: BGlluviae_95 Start: 58768, Stop: 58950, Start Num: 3

Candidate Starts for BGlluviae_95:

(Start: 2 @58765 has 13 MA's), (Start: 3 @58768 has 51 MA's), (4, 58774), (Start: 7 @58816 has 12 MA's), (13, 58897),

Gene: BaghaKamala_95 Start: 58592, Stop: 58774, Start Num: 3

Candidate Starts for BaghaKamala_95:

(Start: 2 @58589 has 13 MA's), (Start: 3 @58592 has 51 MA's), (Start: 7 @58640 has 12 MA's), (13, 58721),

Gene: BarrelRoll_95 Start: 59132, Stop: 59314, Start Num: 3

Candidate Starts for BarrelRoll_95:

(Start: 2 @59129 has 13 MA's), (Start: 3 @59132 has 51 MA's), (Start: 7 @59180 has 12 MA's), (13, 59261),

Gene: Beezoo_99 Start: 59954, Stop: 60136, Start Num: 3

Candidate Starts for Beezoo_99:

(Start: 2 @59951 has 13 MA's), (Start: 3 @59954 has 51 MA's), (Start: 7 @60002 has 12 MA's), (13, 60083),

Gene: Bella96_97 Start: 60187, Stop: 60369, Start Num: 3

Candidate Starts for Bella96_97:

(Start: 2 @60184 has 13 MA's), (Start: 3 @60187 has 51 MA's), (Start: 7 @60235 has 12 MA's), (12, 60310), (13, 60316),

Gene: Belladonna_96 Start: 59168, Stop: 59350, Start Num: 3
Candidate Starts for Belladonna_96:
(Start: 2 @59165 has 13 MA's), (Start: 3 @59168 has 51 MA's), (Start: 7 @59216 has 12 MA's), (13, 59297),

Gene: Blizzard_96 Start: 59362, Stop: 59547, Start Num: 2
Candidate Starts for Blizzard_96:
(Start: 2 @59362 has 13 MA's), (Start: 3 @59365 has 51 MA's), (Start: 7 @59413 has 12 MA's), (13, 59494),

Gene: Boiiii_96 Start: 59367, Stop: 59549, Start Num: 3
Candidate Starts for Boiiii_96:
(Start: 2 @59364 has 13 MA's), (Start: 3 @59367 has 51 MA's), (Start: 7 @59415 has 12 MA's), (13, 59496),

Gene: CREW_94 Start: 59167, Stop: 59349, Start Num: 3
Candidate Starts for CREW_94:
(Start: 2 @59164 has 13 MA's), (Start: 3 @59167 has 51 MA's), (Start: 7 @59215 has 12 MA's), (13, 59296),

Gene: Capricorn_96 Start: 59168, Stop: 59350, Start Num: 3
Candidate Starts for Capricorn_96:
(Start: 2 @59165 has 13 MA's), (Start: 3 @59168 has 51 MA's), (Start: 7 @59216 has 12 MA's),

Gene: CaseJules_99 Start: 59365, Stop: 59547, Start Num: 3
Candidate Starts for CaseJules_99:
(Start: 2 @59362 has 13 MA's), (Start: 3 @59365 has 51 MA's), (Start: 7 @59413 has 12 MA's), (13, 59494),

Gene: CheetoDust_95 Start: 58762, Stop: 58944, Start Num: 3
Candidate Starts for CheetoDust_95:
(Start: 2 @58759 has 13 MA's), (Start: 3 @58762 has 51 MA's), (Start: 7 @58810 has 12 MA's), (13, 58891),

Gene: CrimD_95 Start: 59260, Stop: 59442, Start Num: 3
Candidate Starts for CrimD_95:
(Start: 2 @59257 has 13 MA's), (Start: 3 @59260 has 51 MA's), (Start: 7 @59308 has 12 MA's), (13, 59389),

Gene: Dalmuri_96 Start: 59168, Stop: 59350, Start Num: 3
Candidate Starts for Dalmuri_96:
(Start: 2 @59165 has 13 MA's), (Start: 3 @59168 has 51 MA's), (Start: 7 @59216 has 12 MA's), (13, 59297),

Gene: Deby_95 Start: 59923, Stop: 60105, Start Num: 3
Candidate Starts for Deby_95:
(Start: 2 @59920 has 13 MA's), (Start: 3 @59923 has 51 MA's), (Start: 7 @59971 has 12 MA's), (13, 60052),

Gene: Devera_102 Start: 60080, Stop: 60262, Start Num: 3
Candidate Starts for Devera_102:

(Start: 2 @60077 has 13 MA's), (Start: 3 @60080 has 51 MA's), (Start: 7 @60128 has 12 MA's), (12, 60203), (13, 60209),

Gene: Dole_98 Start: 60083, Stop: 60265, Start Num: 3

Candidate Starts for Dole_98:

(Start: 2 @60080 has 13 MA's), (Start: 3 @60083 has 51 MA's), (Start: 7 @60131 has 12 MA's), (12, 60206), (13, 60212),

Gene: DrHayes_97 Start: 59992, Stop: 60171, Start Num: 3

Candidate Starts for DrHayes_97:

(Start: 2 @59989 has 13 MA's), (Start: 3 @59992 has 51 MA's), (6, 60022), (9, 60052), (11, 60064), (13, 60118),

Gene: Durfee_96 Start: 59365, Stop: 59547, Start Num: 3

Candidate Starts for Durfee_96:

(Start: 2 @59362 has 13 MA's), (Start: 3 @59365 has 51 MA's), (Start: 7 @59413 has 12 MA's), (13, 59494),

Gene: Emerson_100 Start: 59818, Stop: 59952, Start Num: 7

Candidate Starts for Emerson_100:

(Start: 2 @59767 has 13 MA's), (Start: 3 @59770 has 51 MA's), (Start: 7 @59818 has 12 MA's), (13, 59899),

Gene: Ganymede_95 Start: 59179, Stop: 59361, Start Num: 3

Candidate Starts for Ganymede_95:

(Start: 2 @59176 has 13 MA's), (Start: 3 @59179 has 51 MA's), (Start: 7 @59227 has 12 MA's), (13, 59308),

Gene: Geraldini_96 Start: 59278, Stop: 59460, Start Num: 3

Candidate Starts for Geraldini_96:

(Start: 2 @59275 has 13 MA's), (Start: 3 @59278 has 51 MA's), (Start: 7 @59326 has 12 MA's), (13, 59407),

Gene: HedwigODU_95 Start: 59269, Stop: 59454, Start Num: 2

Candidate Starts for HedwigODU_95:

(Start: 2 @59269 has 13 MA's), (Start: 3 @59272 has 51 MA's), (Start: 7 @59320 has 12 MA's), (13, 59401),

Gene: Homura_94 Start: 59168, Stop: 59350, Start Num: 3

Candidate Starts for Homura_94:

(Start: 2 @59165 has 13 MA's), (Start: 3 @59168 has 51 MA's), (Start: 7 @59216 has 12 MA's), (13, 59297),

Gene: Hyperbowlee_94 Start: 59365, Stop: 59547, Start Num: 3

Candidate Starts for Hyperbowlee_94:

(Start: 2 @59362 has 13 MA's), (Start: 3 @59365 has 51 MA's), (Start: 7 @59413 has 12 MA's), (13, 59494),

Gene: Illumine_99 Start: 60082, Stop: 60264, Start Num: 3

Candidate Starts for Illumine_99:

(Start: 2 @60079 has 13 MA's), (Start: 3 @60082 has 51 MA's), (Start: 7 @60130 has 12 MA's), (12, 60205), (13, 60211),

Gene: Inky_95 Start: 59168, Stop: 59350, Start Num: 3

Candidate Starts for Inky_95:

(Start: 2 @59165 has 13 MA's), (Start: 3 @59168 has 51 MA's), (Start: 7 @59216 has 12 MA's), (13, 59297),

Gene: JAWS_94 Start: 59206, Stop: 59391, Start Num: 2

Candidate Starts for JAWS_94:

(Start: 2 @59206 has 13 MA's), (Start: 3 @59209 has 51 MA's), (Start: 7 @59257 has 12 MA's), (13, 59338),

Gene: Jarvi_95 Start: 59168, Stop: 59350, Start Num: 3

Candidate Starts for Jarvi_95:

(Start: 2 @59165 has 13 MA's), (Start: 3 @59168 has 51 MA's), (Start: 7 @59216 has 12 MA's), (13, 59297),

Gene: Jayhawk_96 Start: 59240, Stop: 59374, Start Num: 7

Candidate Starts for Jayhawk_96:

(Start: 2 @59189 has 13 MA's), (Start: 3 @59192 has 51 MA's), (Start: 7 @59240 has 12 MA's), (13, 59321),

Gene: Jeckyll_96 Start: 59168, Stop: 59350, Start Num: 3

Candidate Starts for Jeckyll_96:

(Start: 2 @59165 has 13 MA's), (Start: 3 @59168 has 51 MA's), (Start: 7 @59216 has 12 MA's), (13, 59297),

Gene: Joy99_97 Start: 59297, Stop: 59479, Start Num: 3

Candidate Starts for Joy99_97:

(Start: 2 @59294 has 13 MA's), (Start: 3 @59297 has 51 MA's), (Start: 7 @59345 has 12 MA's), (13, 59426),

Gene: LaterM_95 Start: 59602, Stop: 59787, Start Num: 2

Candidate Starts for LaterM_95:

(Start: 2 @59602 has 13 MA's), (Start: 3 @59605 has 51 MA's), (Start: 7 @59653 has 12 MA's), (12, 59728), (13, 59734),

Gene: LindNT_93 Start: 59563, Stop: 59697, Start Num: 7

Candidate Starts for LindNT_93:

(Start: 2 @59512 has 13 MA's), (Start: 3 @59515 has 51 MA's), (Start: 7 @59563 has 12 MA's), (13, 59644),

Gene: Llorens_94 Start: 59216, Stop: 59350, Start Num: 7

Candidate Starts for Llorens_94:

(Start: 2 @59165 has 13 MA's), (Start: 3 @59168 has 51 MA's), (Start: 7 @59216 has 12 MA's), (13, 59297),

Gene: Lunahalos_95 Start: 59165, Stop: 59350, Start Num: 2

Candidate Starts for Lunahalos_95:

(Start: 2 @59165 has 13 MA's), (Start: 3 @59168 has 51 MA's), (Start: 7 @59216 has 12 MA's), (13, 59297),

Gene: MeaningOfLife_97 Start: 59889, Stop: 60074, Start Num: 2

Candidate Starts for MeaningOfLife_97:

(Start: 2 @59889 has 13 MA's), (Start: 3 @59892 has 51 MA's), (Start: 7 @59940 has 12 MA's), (13, 60021),

Gene: Megsy_100 Start: 59701, Stop: 59835, Start Num: 7

Candidate Starts for Megsy_100:

(Start: 2 @59650 has 13 MA's), (Start: 3 @59653 has 51 MA's), (Start: 7 @59701 has 12 MA's), (13, 59782),

Gene: Murucutumbu_95 Start: 60118, Stop: 60252, Start Num: 7

Candidate Starts for Murucutumbu_95:

(Start: 2 @60067 has 13 MA's), (Start: 3 @60070 has 51 MA's), (Start: 7 @60118 has 12 MA's), (12, 60193), (13, 60199),

Gene: Mynx_96 Start: 59515, Stop: 59697, Start Num: 3

Candidate Starts for Mynx_96:

(Start: 2 @59512 has 13 MA's), (Start: 3 @59515 has 51 MA's), (Start: 7 @59563 has 12 MA's), (13, 59644),

Gene: Omnicron_38 Start: 29613, Stop: 29795, Start Num: 1

Candidate Starts for Omnicron_38:

(Start: 1 @29613 has 1 MA's), (5, 29622), (6, 29643), (8, 29670), (9, 29673), (10, 29682), (13, 29739),

Gene: Padfoot_95 Start: 59365, Stop: 59547, Start Num: 3

Candidate Starts for Padfoot_95:

(Start: 2 @59362 has 13 MA's), (Start: 3 @59365 has 51 MA's), (Start: 7 @59413 has 12 MA's), (13, 59494),

Gene: Padpat_100 Start: 59770, Stop: 59952, Start Num: 3

Candidate Starts for Padpat_100:

(Start: 2 @59767 has 13 MA's), (Start: 3 @59770 has 51 MA's), (Start: 7 @59818 has 12 MA's), (13, 59899),

Gene: Peel_95 Start: 59171, Stop: 59353, Start Num: 3

Candidate Starts for Peel_95:

(Start: 2 @59168 has 13 MA's), (Start: 3 @59171 has 51 MA's), (Start: 7 @59219 has 12 MA's), (13, 59300),

Gene: Piatt_94 Start: 59365, Stop: 59547, Start Num: 3

Candidate Starts for Piatt_94:

(Start: 2 @59362 has 13 MA's), (Start: 3 @59365 has 51 MA's), (Start: 7 @59413 has 12 MA's), (13, 59494),

Gene: Pokerus_95 Start: 59235, Stop: 59417, Start Num: 3

Candidate Starts for Pokerus_95:

(Start: 2 @59232 has 13 MA's), (Start: 3 @59235 has 51 MA's), (Start: 7 @59283 has 12 MA's), (13, 59364),

Gene: Prithvi_97 Start: 59821, Stop: 59955, Start Num: 7

Candidate Starts for Prithvi_97:

(Start: 2 @59770 has 13 MA's), (Start: 3 @59773 has 51 MA's), (Start: 7 @59821 has 12 MA's), (13, 59902),

Gene: QuincyRose_93 Start: 59179, Stop: 59361, Start Num: 3

Candidate Starts for QuincyRose_93:

(Start: 2 @59176 has 13 MA's), (Start: 3 @59179 has 51 MA's), (Start: 7 @59227 has 12 MA's), (13, 59308),

Gene: Ramen_96 Start: 58970, Stop: 59104, Start Num: 7

Candidate Starts for Ramen_96:

(Start: 2 @58919 has 13 MA's), (Start: 3 @58922 has 51 MA's), (Start: 7 @58970 has 12 MA's), (13, 59051),

Gene: Rapunzel97_98 Start: 59147, Stop: 59329, Start Num: 3

Candidate Starts for Rapunzel97_98:

(Start: 2 @59144 has 13 MA's), (Start: 3 @59147 has 51 MA's), (Start: 7 @59195 has 12 MA's), (13, 59276),

Gene: Rosmarinus_96 Start: 59153, Stop: 59338, Start Num: 2

Candidate Starts for Rosmarinus_96:

(Start: 2 @59153 has 13 MA's), (Start: 3 @59156 has 51 MA's), (Start: 7 @59204 has 12 MA's), (13, 59285),

Gene: SamuelLPlaqson_97 Start: 59992, Stop: 60171, Start Num: 3

Candidate Starts for SamuelLPlaqson_97:

(Start: 2 @59989 has 13 MA's), (Start: 3 @59992 has 51 MA's), (6, 60022), (9, 60052), (11, 60064), (13, 60118),

Gene: ShiaSurprise_98 Start: 59413, Stop: 59547, Start Num: 7

Candidate Starts for ShiaSurprise_98:

(Start: 2 @59362 has 13 MA's), (Start: 3 @59365 has 51 MA's), (Start: 7 @59413 has 12 MA's), (13, 59494),

Gene: Slimphazie_98 Start: 59600, Stop: 59785, Start Num: 2

Candidate Starts for Slimphazie_98:

(Start: 2 @59600 has 13 MA's), (Start: 3 @59603 has 51 MA's), (Start: 7 @59651 has 12 MA's), (13, 59732),

Gene: Spock_95 Start: 59169, Stop: 59351, Start Num: 3

Candidate Starts for Spock_95:

(Start: 2 @59166 has 13 MA's), (Start: 3 @59169 has 51 MA's), (Start: 7 @59217 has 12 MA's), (13, 59298),

Gene: Stinson_96 Start: 59428, Stop: 59562, Start Num: 7

Candidate Starts for Stinson_96:

(Start: 2 @59377 has 13 MA's), (Start: 3 @59380 has 51 MA's), (Start: 7 @59428 has 12 MA's), (12, 59503), (13, 59509),

Gene: Sulley_94 Start: 59333, Stop: 59515, Start Num: 3

Candidate Starts for Sulley_94:

(Start: 2 @59330 has 13 MA's), (Start: 3 @59333 has 51 MA's), (Start: 7 @59381 has 12 MA's), (13, 59462),

Gene: Tachez_96 Start: 59013, Stop: 59198, Start Num: 2

Candidate Starts for Tachez_96:

(Start: 2 @59013 has 13 MA's), (Start: 3 @59016 has 51 MA's), (Start: 7 @59064 has 12 MA's), (13, 59145),

Gene: TaiwanKao_97 Start: 59476, Stop: 59610, Start Num: 7

Candidate Starts for TaiwanKao_97:

(Start: 2 @59425 has 13 MA's), (Start: 3 @59428 has 51 MA's), (Start: 7 @59476 has 12 MA's), (13, 59557),

Gene: TiniBug_94 Start: 59764, Stop: 59946, Start Num: 3

Candidate Starts for TiniBug_94:

(Start: 2 @59761 has 13 MA's), (Start: 3 @59764 has 51 MA's), (Start: 7 @59812 has 12 MA's), (12, 59887), (13, 59893),

Gene: Tiri_96 Start: 58909, Stop: 59091, Start Num: 3

Candidate Starts for Tiri_96:

(Start: 2 @58906 has 13 MA's), (Start: 3 @58909 has 51 MA's), (Start: 7 @58957 has 12 MA's), (13, 59038),

Gene: Topper_95 Start: 59165, Stop: 59350, Start Num: 2

Candidate Starts for Topper_95:

(Start: 2 @59165 has 13 MA's), (Start: 3 @59168 has 51 MA's), (Start: 7 @59216 has 12 MA's), (13, 59297),

Gene: TreyKay_97 Start: 59821, Stop: 59955, Start Num: 7

Candidate Starts for TreyKay_97:

(Start: 2 @59770 has 13 MA's), (Start: 3 @59773 has 51 MA's), (Start: 7 @59821 has 12 MA's), (13, 59902),

Gene: TruffulaTree_97 Start: 59566, Stop: 59751, Start Num: 2

Candidate Starts for TruffulaTree_97:

(Start: 2 @59566 has 13 MA's), (Start: 3 @59569 has 51 MA's), (Start: 7 @59617 has 12 MA's), (13, 59698),

Gene: Twitch_96 Start: 59171, Stop: 59353, Start Num: 3

Candidate Starts for Twitch_96:

(Start: 2 @59168 has 13 MA's), (Start: 3 @59171 has 51 MA's), (Start: 7 @59219 has 12 MA's), (13, 59300),

Gene: Urkel_97 Start: 59992, Stop: 60171, Start Num: 3

Candidate Starts for Urkel_97:

(Start: 2 @59989 has 13 MA's), (Start: 3 @59992 has 51 MA's), (6, 60022), (9, 60052), (11, 60064), (13, 60118),

Gene: Veliki_96 Start: 59194, Stop: 59376, Start Num: 3

Candidate Starts for Veliki_96:

(Start: 2 @59191 has 13 MA's), (Start: 3 @59194 has 51 MA's), (Start: 7 @59242 has 12 MA's), (13, 59323),

Gene: Waterfoul_36 Start: 30361, Stop: 30543, Start Num: 3

Candidate Starts for Waterfoul_36:

(Start: 3 @30361 has 51 MA's), (9, 30421), (11, 30433), (12, 30481), (13, 30487), (14, 30508),

Gene: YoureAdopted_94 Start: 58964, Stop: 59146, Start Num: 3

Candidate Starts for YoureAdopted_94:

(Start: 2 @58961 has 13 MA's), (Start: 3 @58964 has 51 MA's), (Start: 7 @59012 has 12 MA's), (13, 59093),

Gene: Zabiza_91 Start: 55625, Stop: 55759, Start Num: 7

Candidate Starts for Zabiza_91:

(Start: 2 @55574 has 13 MA's), (Start: 3 @55577 has 51 MA's), (Start: 7 @55625 has 12 MA's), (13, 55706),

Gene: Zavala_97 Start: 59429, Stop: 59611, Start Num: 3

Candidate Starts for Zavala_97:

(Start: 2 @59426 has 13 MA's), (Start: 3 @59429 has 51 MA's), (Start: 7 @59477 has 12 MA's), (13, 59558),