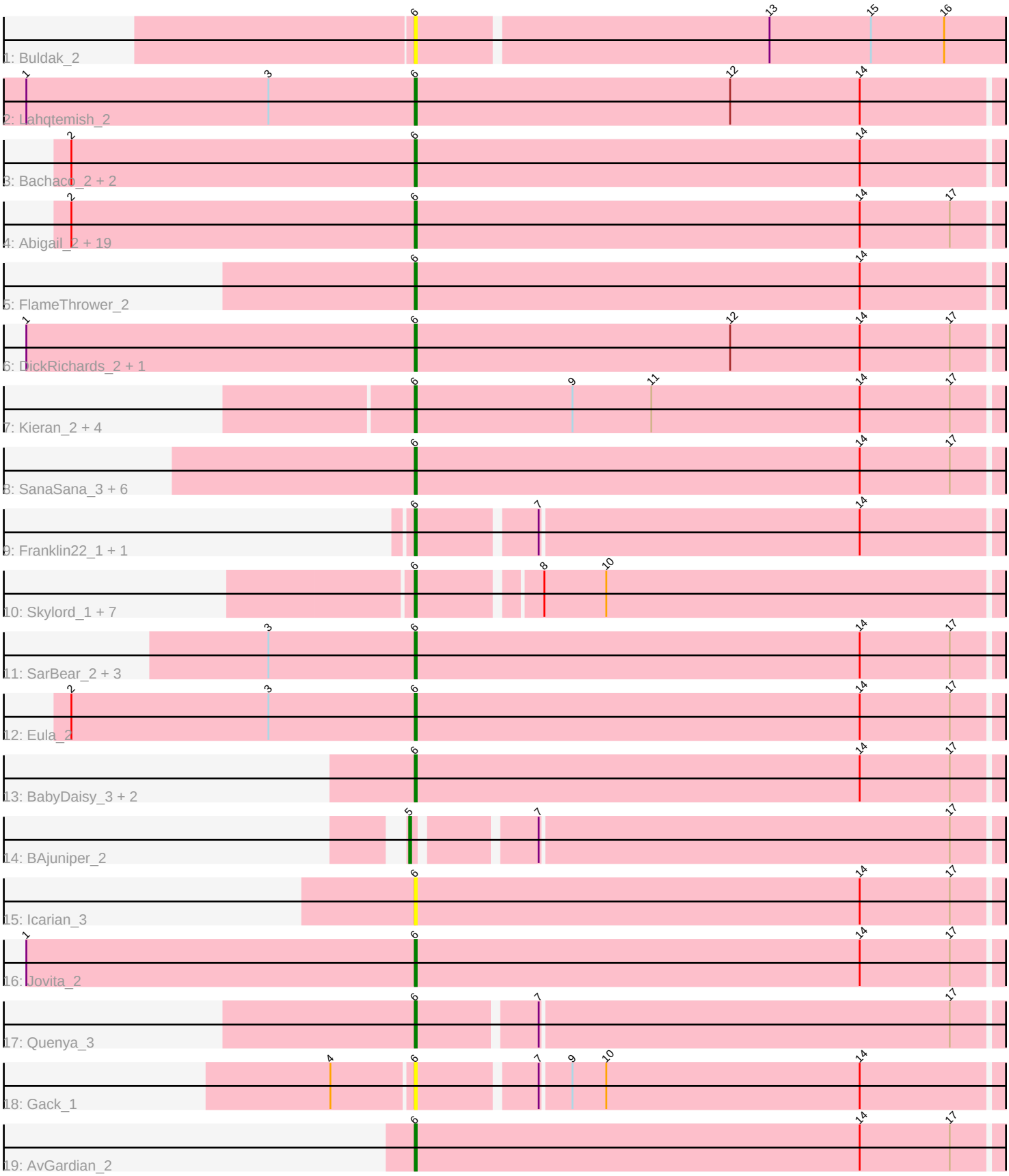
Pham 157852


1: Buldak_2
2: Lahqtemish_2
3: Bachaco_2 + 2
4: Abigail_2 + 19
5: FlameThrower_2
6: DickRichards_2 + 1
7: Kieran_2 + 4
8: SanaSana_3 + 6
9: Franklin22_1 + 1
10: Skylord_1 + 7
11: SarBear_2 + 3
12: Eula_2
13: BabyDaisy_3 + 2
14: BAjuniper_2
15: Icarian_3
16: Jovita_2
17: Quenya_3
18: Gack_1
19: AvGardian_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 157852 Report

This analysis was run 04/13/24 on database version 558.

Pham number 157852 has 64 members, 7 are drafts.

Phages represented in each track:
• Track 1 : Buldak_2
• Track 2 : Lahqtemish_2
• Track 3 : Bachaco_2, Celaena_2, Katzastrophic_2
• Track 4 : Abigail_2, AnnaLie_2, Avocadoman_2, LimaBean_2, Arroyo_3, SansAfet_2, BelmontSKP_2, Phisb_2, Kenzers_2, Lynlen_2, QMacho_3, Burritobowl_2, Albedo_2, BubbaBear_2, Johnathan_2, Albright_2, Nicky22_3, Doobus_2, Cashington_2, CroZenni_2
• Track 5 : FlameThrower_2
• Track 6 : DickRichards_2, Slay_2
• Track 7 : Kieran_2, Rona_2, ChiliPepper_2, Sharkboy_2, Dismas_2
• Track 8 : SanaSana_3, Loviatar_5, Stoor_2, BabyYoda_2, Elva_3, DirtyBubble_2, Stromboli_2
• Track 9 : Franklin22_1, Eden_1
• Track 10 : Skylord_1, Coltrane_1, Clayda5_1, Bernstein_1, Armstrong_1, Brahms_1, Vitas_1, Rollins_1
• Track 11 : SarBear_2, TukTuk_2, Finalfrontier_3, Swervy_2
• Track 12 : Eula_2
• Track 13 : BabyDaisy_3, IndyLu_2, Didgeridoo_3
• Track 14 : BAjuniper_2
• Track 15 : Icarian_3
• Track 16 : Jovita_2
• Track 17 : Quenya_3
• Track 18 : Gack_1
• Track 19 : AvGardian_2

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 56 of the 57 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abigail_2, Albedo_2, Albright_2, AnnaLie_2, Armstrong_1, Arroyo_3, AvGardian_2, Avocadoman_2, BabyDaisy_3, BabyYoda_2, Bachaco_2, BelmontSKP_2, Bernstein_1, Brahms_1, BubbaBear_2, Buldak_2, Burritobowl_2, Cashington_2,

Celaena_2, ChiliPepper_2, Clayda5_1, Coltrane_1, CroZenni_2, DickRichards_2, Didgeridoo_3, DirtyBubble_2, Dismas_2, Doobus_2, Eden_1, Elva_3, Eula_2, Finalfrontier_3, FlameThrower_2, Franklin22_1, Gack_1, Icarian_3, IndyLu_2, Johnathan_2, Jovita_2, Katzastrophic_2, Kenzers_2, Kieran_2, Lahqtemish_2, LimaBean_2, Loviatar_5, Lynlen_2, Nicky22_3, Phisb_2, QMacho_3, Quenya_3, Rollins_1, Rona_2, SanaSana_3, SansAfet_2, SarBear_2, Sharkboy_2, Skylord_1, Slay_2, Stoor_2, Stromboli_2, Swervy_2, TukTuk_2, Vitas_1,

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

Genes that do not have the "Most Annotated" start:
• BAjuniper_2,

Summary by start number:

Start 5:
• Found in 1 of 64 (1.6%) of genes in pham
• Manual Annotations of this start: 1 of 57
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BAjuniper_2 (EB),

Start 6:
• Found in 63 of 64 (98.4%) of genes in pham
• Manual Annotations of this start: 56 of 57
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abigail_2 (EB), Albedo_2 (EB), Albright_2 (EB), AnnaLie_2 (EB), Armstrong_1 (EB), Arroyo_3 (EB), AvGardian_2 (EB), Avocadoman_2 (EB), BabyDaisy_3 (EB), BabyYoda_2 (EB), Bachaco_2 (EB), BelmontSKP_2 (EB), Bernstein_1 (EB), Brahms_1 (EB), BubbaBear_2 (EB), Buldak_2 (EB), Burritobowl_2 (EB), Cashington_2 (EB), Celaena_2 (EB), ChiliPepper_2 (EB), Clayda5_1 (EB), Coltrane_1 (EB), CroZenni_2 (EB), DickRichards_2 (EB), Didgeridoo_3 (EB), DirtyBubble_2 (EB), Dismas_2 (EB), Doobus_2 (EB), Eden_1 (EB), Elva_3 (EB), Eula_2 (EB), Finalfrontier_3 (EB), FlameThrower_2 (EB), Franklin22_1 (EB), Gack_1 (EB), Icarian_3 (EB), IndyLu_2 (EB), Johnathan_2 (EB), Jovita_2 (EB), Katzastrophic_2 (EB), Kenzers_2 (EB), Kieran_2 (EB), Lahqtemish_2 (EB), LimaBean_2 (EB), Loviatar_5 (EB), Lynlen_2 (EB), Nicky22_3 (EB), Phisb_2 (EB), QMacho_3 (EB), Quenya_3 (EB), Rollins_1 (EB), Rona_2 (EB), SanaSana_3 (EB), SansAfet_2 (EB), SarBear_2 (EB), Sharkboy_2 (EB), Skylord_1 (EB), Slay_2 (EB), Stoor_2 (EB), Stromboli_2 (EB), Swervy_2 (EB), TukTuk_2 (EB), Vitas_1 (EB),

Summary by clusters:

There is one cluster represented in this pham: EB

Info for manual annotations of cluster EB:
•Start number 5 was manually annotated 1 time for cluster EB.
•Start number 6 was manually annotated 56 times for cluster EB.

Gene Information:

Gene: Abigail_2 Start: 362, Stop: 685, Start Num: 6
Candidate Starts for Abigail_2:
(2, 179), (Start: 6 @362 has 56 MA's), (14, 599), (17, 647),

Gene: Albedo_2 Start: 350, Stop: 673, Start Num: 6
Candidate Starts for Albedo_2:
(2, 167), (Start: 6 @350 has 56 MA's), (14, 587), (17, 635),

Gene: Albright_2 Start: 362, Stop: 685, Start Num: 6
Candidate Starts for Albright_2:
(2, 179), (Start: 6 @362 has 56 MA's), (14, 599), (17, 647),

Gene: AnnaLie_2 Start: 362, Stop: 688, Start Num: 6
Candidate Starts for AnnaLie_2:
(2, 179), (Start: 6 @362 has 56 MA's), (14, 599), (17, 647),

Gene: Armstrong_1 Start: 282, Stop: 590, Start Num: 6
Candidate Starts for Armstrong_1:
(Start: 6 @282 has 56 MA's), (8, 342), (10, 375),

Gene: Arroyo_3 Start: 832, Stop: 1155, Start Num: 6
Candidate Starts for Arroyo_3:
(2, 649), (Start: 6 @832 has 56 MA's), (14, 1069), (17, 1117),

Gene: AvGardian_2 Start: 426, Stop: 752, Start Num: 6
Candidate Starts for AvGardian_2:
(Start: 6 @426 has 56 MA's), (14, 663), (17, 711),

Gene: Avocadoman_2 Start: 420, Stop: 743, Start Num: 6
Candidate Starts for Avocadoman_2:
(2, 237), (Start: 6 @420 has 56 MA's), (14, 657), (17, 705),

Gene: BAjuniper_2 Start: 466, Stop: 777, Start Num: 5
Candidate Starts for BAjuniper_2:
(Start: 5 @466 has 1 MA's), (7, 523), (17, 739),

Gene: BabyDaisy_3 Start: 618, Stop: 941, Start Num: 6
Candidate Starts for BabyDaisy_3:
(Start: 6 @618 has 56 MA's), (14, 855), (17, 903),

Gene: BabyYoda_2 Start: 631, Stop: 954, Start Num: 6
Candidate Starts for BabyYoda_2:
(Start: 6 @631 has 56 MA's), (14, 868), (17, 916),

Gene: Bachaco_2 Start: 612, Stop: 935, Start Num: 6
Candidate Starts for Bachaco_2:
(2, 429), (Start: 6 @612 has 56 MA's), (14, 849),

Gene: BelmontSKP_2 Start: 362, Stop: 688, Start Num: 6
Candidate Starts for BelmontSKP_2:
(2, 179), (Start: 6 @362 has 56 MA's), (14, 599), (17, 647),

Gene: Bernstein_1 Start: 342, Stop: 650, Start Num: 6

Candidate Starts for Bernstein_1:
(Start: 6 @342 has 56 MA's), (8, 402), (10, 435),

Gene: Brahms_1 Start: 282, Stop: 590, Start Num: 6
Candidate Starts for Brahms_1:
(Start: 6 @282 has 56 MA's), (8, 342), (10, 375),

Gene: BubbaBear_2 Start: 350, Stop: 673, Start Num: 6
Candidate Starts for BubbaBear_2:
(2, 167), (Start: 6 @350 has 56 MA's), (14, 587), (17, 635),

Gene: Buldak_2 Start: 702, Stop: 1022, Start Num: 6
Candidate Starts for Buldak_2:
(Start: 6 @702 has 56 MA's), (13, 885), (15, 939), (16, 978),

Gene: Burritobowl_2 Start: 360, Stop: 683, Start Num: 6
Candidate Starts for Burritobowl_2:
(2, 177), (Start: 6 @360 has 56 MA's), (14, 597), (17, 645),

Gene: Cashington_2 Start: 350, Stop: 673, Start Num: 6
Candidate Starts for Cashington_2:
(2, 167), (Start: 6 @350 has 56 MA's), (14, 587), (17, 635),

Gene: Celaena_2 Start: 549, Stop: 872, Start Num: 6
Candidate Starts for Celaena_2:
(2, 366), (Start: 6 @549 has 56 MA's), (14, 786),

Gene: ChiliPepper_2 Start: 615, Stop: 941, Start Num: 6
Candidate Starts for ChiliPepper_2:
(Start: 6 @615 has 56 MA's), (9, 699), (11, 741), (14, 852), (17, 900),

Gene: Clayda5_1 Start: 282, Stop: 590, Start Num: 6
Candidate Starts for Clayda5_1:
(Start: 6 @282 has 56 MA's), (8, 342), (10, 375),

Gene: Coltrane_1 Start: 282, Stop: 590, Start Num: 6
Candidate Starts for Coltrane_1:
(Start: 6 @282 has 56 MA's), (8, 342), (10, 375),

Gene: CroZenni_2 Start: 362, Stop: 685, Start Num: 6
Candidate Starts for CroZenni_2:
(2, 179), (Start: 6 @362 has 56 MA's), (14, 599), (17, 647),

Gene: DickRichards_2 Start: 833, Stop: 1156, Start Num: 6
Candidate Starts for DickRichards_2:
(1, 626), (Start: 6 @833 has 56 MA's), (12, 1001), (14, 1070), (17, 1118),

Gene: Didgeridoo_3 Start: 618, Stop: 941, Start Num: 6
Candidate Starts for Didgeridoo_3:
(Start: 6 @618 has 56 MA's), (14, 855), (17, 903),

Gene: DirtyBubble_2 Start: 630, Stop: 953, Start Num: 6
Candidate Starts for DirtyBubble_2:

(Start: 6 @630 has 56 MA's), (14, 867), (17, 915),

Gene: Dismas_2 Start: 615, Stop: 941, Start Num: 6
Candidate Starts for Dismas_2:
(Start: 6 @615 has 56 MA's), (9, 699), (11, 741), (14, 852), (17, 900),

Gene: Doobus_2 Start: 584, Stop: 907, Start Num: 6
Candidate Starts for Doobus_2:
(2, 401), (Start: 6 @584 has 56 MA's), (14, 821), (17, 869),

Gene: Eden_1 Start: 342, Stop: 656, Start Num: 6
Candidate Starts for Eden_1:
(Start: 6 @342 has 56 MA's), (7, 402), (14, 570),

Gene: Elva_3 Start: 688, Stop: 1011, Start Num: 6
Candidate Starts for Elva_3:
(Start: 6 @688 has 56 MA's), (14, 925), (17, 973),

Gene: Eula_2 Start: 349, Stop: 672, Start Num: 6
Candidate Starts for Eula_2:
(2, 166), (3, 271), (Start: 6 @349 has 56 MA's), (14, 586), (17, 634),

Gene: Finalfrontier_3 Start: 855, Stop: 1178, Start Num: 6
Candidate Starts for Finalfrontier_3:
(3, 777), (Start: 6 @855 has 56 MA's), (14, 1092), (17, 1140),

Gene: FlameThrower_2 Start: 545, Stop: 868, Start Num: 6
Candidate Starts for FlameThrower_2:
(Start: 6 @545 has 56 MA's), (14, 782),

Gene: Franklin22_1 Start: 350, Stop: 664, Start Num: 6
Candidate Starts for Franklin22_1:
(Start: 6 @350 has 56 MA's), (7, 410), (14, 578),

Gene: Gack_1 Start: 383, Stop: 700, Start Num: 6
Candidate Starts for Gack_1:
(4, 341), (Start: 6 @383 has 56 MA's), (7, 443), (9, 458), (10, 476), (14, 611),

Gene: Icarian_3 Start: 622, Stop: 945, Start Num: 6
Candidate Starts for Icarian_3:
(Start: 6 @622 has 56 MA's), (14, 859), (17, 907),

Gene: IndyLu_2 Start: 442, Stop: 765, Start Num: 6
Candidate Starts for IndyLu_2:
(Start: 6 @442 has 56 MA's), (14, 679), (17, 727),

Gene: Johnathan_2 Start: 362, Stop: 685, Start Num: 6
Candidate Starts for Johnathan_2:
(2, 179), (Start: 6 @362 has 56 MA's), (14, 599), (17, 647),

Gene: Jovita_2 Start: 475, Stop: 798, Start Num: 6
Candidate Starts for Jovita_2:
(1, 268), (Start: 6 @475 has 56 MA's), (14, 712), (17, 760),

Gene: Katzastrophic_2 Start: 612, Stop: 935, Start Num: 6
Candidate Starts for Katzastrophic_2:
(2, 429), (Start: 6 @612 has 56 MA's), (14, 849),

Gene: Kenzers_2 Start: 350, Stop: 673, Start Num: 6
Candidate Starts for Kenzers_2:
(2, 167), (Start: 6 @350 has 56 MA's), (14, 587), (17, 635),

Gene: Kieran_2 Start: 615, Stop: 941, Start Num: 6
Candidate Starts for Kieran_2:
(Start: 6 @615 has 56 MA's), (9, 699), (11, 741), (14, 852), (17, 900),

Gene: Lahqtemish_2 Start: 442, Stop: 765, Start Num: 6
Candidate Starts for Lahqtemish_2:
(1, 235), (3, 364), (Start: 6 @442 has 56 MA's), (12, 610), (14, 679),

Gene: LimaBean_2 Start: 362, Stop: 685, Start Num: 6
Candidate Starts for LimaBean_2:
(2, 179), (Start: 6 @362 has 56 MA's), (14, 599), (17, 647),

Gene: Loviatar_5 Start: 633, Stop: 956, Start Num: 6
Candidate Starts for Loviatar_5:
(Start: 6 @633 has 56 MA's), (14, 870), (17, 918),

Gene: Lynlen_2 Start: 350, Stop: 673, Start Num: 6
Candidate Starts for Lynlen_2:
(2, 167), (Start: 6 @350 has 56 MA's), (14, 587), (17, 635),

Gene: Nicky22_3 Start: 824, Stop: 1147, Start Num: 6
Candidate Starts for Nicky22_3:
(2, 641), (Start: 6 @824 has 56 MA's), (14, 1061), (17, 1109),

Gene: Phisb_2 Start: 350, Stop: 673, Start Num: 6
Candidate Starts for Phisb_2:
(2, 167), (Start: 6 @350 has 56 MA's), (14, 587), (17, 635),

Gene: QMacho_3 Start: 832, Stop: 1155, Start Num: 6
Candidate Starts for QMacho_3:
(2, 649), (Start: 6 @832 has 56 MA's), (14, 1069), (17, 1117),

Gene: Quenya_3 Start: 613, Stop: 927, Start Num: 6
Candidate Starts for Quenya_3:
(Start: 6 @613 has 56 MA's), (7, 673), (17, 889),

Gene: Rollins_1 Start: 342, Stop: 650, Start Num: 6
Candidate Starts for Rollins_1:
(Start: 6 @342 has 56 MA's), (8, 402), (10, 435),

Gene: Rona_2 Start: 615, Stop: 941, Start Num: 6
Candidate Starts for Rona_2:
(Start: 6 @615 has 56 MA's), (9, 699), (11, 741), (14, 852), (17, 900),

Gene: SanaSana_3 Start: 633, Stop: 956, Start Num: 6
Candidate Starts for SanaSana_3:
(Start: 6 @633 has 56 MA's), (14, 870), (17, 918),

Gene: SansAfet_2 Start: 350, Stop: 673, Start Num: 6
Candidate Starts for SansAfet_2:
(2, 167), (Start: 6 @350 has 56 MA's), (14, 587), (17, 635),

Gene: SarBear_2 Start: 349, Stop: 672, Start Num: 6
Candidate Starts for SarBear_2:
(3, 271), (Start: 6 @349 has 56 MA's), (14, 586), (17, 634),

Gene: Sharkboy_2 Start: 614, Stop: 940, Start Num: 6
Candidate Starts for Sharkboy_2:
(Start: 6 @614 has 56 MA's), (9, 698), (11, 740), (14, 851), (17, 899),

Gene: Skylord_1 Start: 282, Stop: 590, Start Num: 6
Candidate Starts for Skylord_1:
(Start: 6 @282 has 56 MA's), (8, 342), (10, 375),

Gene: Slay_2 Start: 832, Stop: 1155, Start Num: 6
Candidate Starts for Slay_2:
(1, 625), (Start: 6 @832 has 56 MA's), (12, 1000), (14, 1069), (17, 1117),

Gene: Stoor_2 Start: 630, Stop: 953, Start Num: 6
Candidate Starts for Stoor_2:
(Start: 6 @630 has 56 MA's), (14, 867), (17, 915),

Gene: Stromboli_2 Start: 630, Stop: 953, Start Num: 6
Candidate Starts for Stromboli_2:
(Start: 6 @630 has 56 MA's), (14, 867), (17, 915),

Gene: Swervy_2 Start: 349, Stop: 672, Start Num: 6
Candidate Starts for Swervy_2:
(3, 271), (Start: 6 @349 has 56 MA's), (14, 586), (17, 634),

Gene: TukTuk_2 Start: 349, Stop: 672, Start Num: 6
Candidate Starts for TukTuk_2:
(3, 271), (Start: 6 @349 has 56 MA's), (14, 586), (17, 634),

Gene: Vitas_1 Start: 282, Stop: 590, Start Num: 6
Candidate Starts for Vitas_1:
(Start: 6 @282 has 56 MA's), (8, 342), (10, 375),