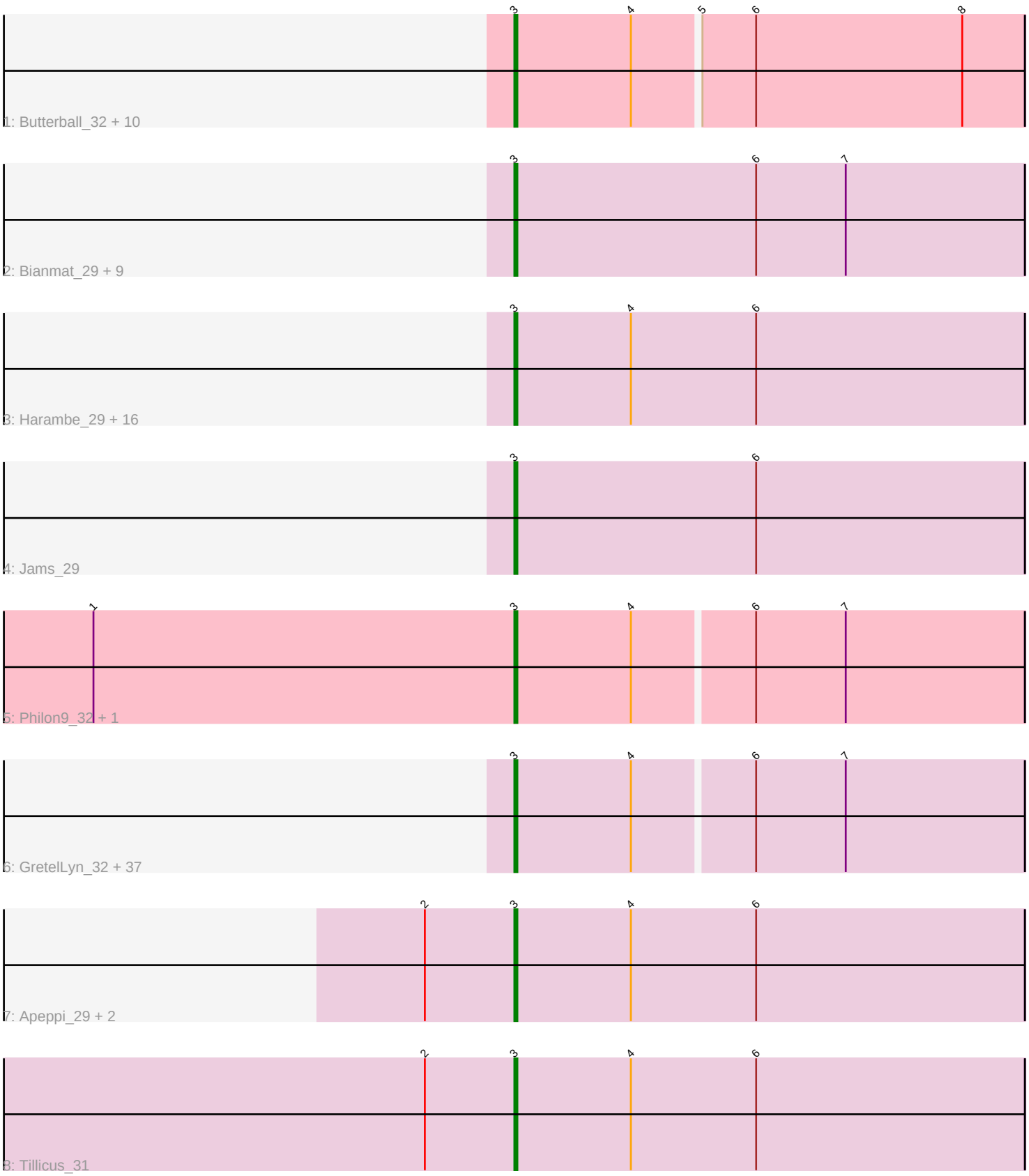
Pham 336660


3
4
5
6
8
1: Butterball_32 + 10
3
6
7
2: Bianmat_29 + 9
3
4
6
3: Harambe_29 + 16
3
6
4: Jams_29
1
3
4
6
7
5: Philon9_32 + 1
3
4
6
7
6: GretelLyn_32 + 37
2
3
4
6
7: Apeppi_29 + 2
2
3
4
6
8: Tillicus_31

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 336660 Report

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

Pham number 336660 has 83 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Butterball_32, CinnamonToast_33, Boneham_32, Jellybones_32, Msay19_33, FelixAlejandro_33, Poland_33, John316_32, BillyBobJr_33, Beaver_32, BirksAndSocks_32
• Track 2 : Bianmat_29, Kaseim_29, Minos_30, Lidong_29, Charianelly_29, Shelley_29, Damp_29, Woes_29, Berries_29, MrWormie_29
• Track 3 : Harambe_29, Lahirium_29, Jormungandr_29, ParvusTarda_32, Neoevie_29, Hail2Pitt_29, Nimi13_29, Luker_30, Newt_30, Sticker17_29, Diabla_31, Guillaume_29, Teal_29, Anamika_29, GalacticEye_29, Hello_29, Pywacket_31
• Track 4 : Jams_29
• Track 5 : Philon9_32, Vitaenoii_32
• Track 6 : GretelLyn_32, Fulcrum_33, Charminar_29, BirthdayBoy_33, MoiGyank_34, Jalebi_31, LavAbarElk_30, NorManre_33, Sampudon_32, Lambo_32, Rota_31, Rumi_31, Avian_29, Riduram_29, Alyssamiracle_32, GOATification_33, DoobyDoo_31, RazorC_30, DaviePasture_32, Erutan_32, Patos_33, Ranch_32, OtterstedtS21_32, Gibbin_33, Mima20_30, Jamemuya19_29, Nettle_33, Zany_31, NovaSharks_31, Wojtek_31, Rukungu_32, Astralis_29, Stormer_30, Yikes_33, Genamy16_32, Lila22_31, Sadboi_32, Alephilan_29
• Track 7 : Apeppi_29, LuckyLeo_31, Aaravos_29
• Track 8 : Tillicus_31

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 75 of the 75 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aaravos_29, Alephilan_29, Alyssamiracle_32, Anamika_29, Apeppi_29, Astralis_29, Avian_29, Beaver_32, Berries_29, Bianmat_29, BillyBobJr_33, BirksAndSocks_32, BirthdayBoy_33, Boneham_32, Butterball_32, Charianelly_29, Charminar_29, CinnamonToast_33, Damp_29, DaviePasture_32, Diabla_31, DoobyDoo_31, Erutan_32, FelixAlejandro_33, Fulcrum_33, GOATification_33, GalacticEye_29, Genamy16_32, Gibbin_33, GretelLyn_32, Guillaume_29, Hail2Pitt_29, Harambe_29, Hello_29, Jalebi_31, Jamemuya19_29, Jams_29, Jellybones_32, John316_32, Jormungandr_29, Kaseim_29, Lahirium_29, Lambo_32, LavAbarElk_30, Lidong_29,

Lila22_31, LuckyLeo_31, Luker_30, Mima20_30, Minos_30, MoiGyank_34, MrWormie_29, Msay19_33, Neoevie_29, Nettle_33, Newt_30, Nimi13_29, NorManre_33, NovaSharks_31, OtterstedtS21_32, ParvusTarda_32, Patos_33, Philon9_32, Poland_33, Pywacket_31, Ranch_32, RazorC_30, Riduram_29, Rota_31, Rukungu_32, Rumi_31, Sadboi_32, Sampudon_32, Shelley_29, Sticker17_29, Stormer_30, Teal_29, Tillicus_31, Vitaenoii_32, Woes_29, Wojtek_31, Yikes_33, Zany_31,

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

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

Summary by start number:

Start 3:
• Found in 83 of 83 (100.0%) of genes in pham
• Manual Annotations of this start: 75 of 75
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aaravos_29 (DV), Alephilan_29 (DV), Alyssamiracle_32 (DV), Anamika_29 (CS3), Apeppi_29 (DV), Astralis_29 (DV), Avian_29 (DV), Beaver_32 (CS2), Berries_29 (CS3), Bianmat_29 (CS3), BillyBobJr_33 (CS2), BirksAndSocks_32 (CS2), BirthdayBoy_33 (DV), Boneham_32 (CS2), Butterball_32 (CS2), Charianelly_29 (CS3), Charminar_29 (DV), CinnamonToast_33 (CS2), Damp_29 (CS3), DaviePasture_32 (DV), Diabla_31 (CS2), DoobyDoo_31 (DV), Erutan_32 (DV), FelixAlejandro_33 (CS2), Fulcrum_33 (DV), GOATification_33 (DV), GalacticEye_29 (CS3), Genamy16_32 (DV), Gibbin_33 (DV), GretelLyn_32 (DV), Guillaume_29 (CS3), Hail2Pitt_29 (CS3), Harambe_29 (CS3), Hello_29 (CS3), Jalebi_31 (DV), Jamemuya19_29 (DV), Jams_29 (CS3), Jellybones_32 (CS2), John316_32 (CS2), Jormungandr_29 (CS3), Kaseim_29 (CS3), Lahirium_29 (CS3), Lambo_32 (DV), LavAbarElk_30 (DV), Lidong_29 (CS3), Lila22_31 (DV), LuckyLeo_31 (DV), Luker_30 (CS3), Mima20_30 (DV), Minos_30 (CS3), MoiGyank_34 (DV), MrWormie_29 (CS3), Msay19_33 (CS2), Neoevie_29 (CS3), Nettle_33 (DV), Newt_30 (CS3), Nimi13_29 (CS3), NorManre_33 (DV), NovaSharks_31 (DV), OtterstedtS21_32 (DV), ParvusTarda_32 (DV), Patos_33 (DV), Philon9_32 (CS4), Poland_33 (CS2), Pywacket_31 (DV), Ranch_32 (DV), RazorC_30 (DV), Riduram_29 (DV), Rota_31 (DV), Rukungu_32 (DV), Rumi_31 (DV), Sadboi_32 (DV), Sampudon_32 (DV), Shelley_29 (CS3), Sticker17_29 (CS3), Stormer_30 (DV), Teal_29 (CS3), Tillicus_31 (DV), Vitaenoii_32 (CS4), Woes_29 (CS3), Wojtek_31 (DV), Yikes_33 (DV), Zany_31 (DV),

Summary by clusters:

There are 4 clusters represented in this pham: DV, CS4, CS3, CS2,

Info for manual annotations of cluster CS2:
•Start number 3 was manually annotated 10 times for cluster CS2.

Info for manual annotations of cluster CS3:
•Start number 3 was manually annotated 25 times for cluster CS3.

Info for manual annotations of cluster CS4:

•Start number 3 was manually annotated 2 times for cluster CS4.

Info for manual annotations of cluster DV:
•Start number 3 was manually annotated 38 times for cluster DV.

Gene Information:

Gene: Aaravos_29 Start: 28633, Stop: 28803, Start Num: 3
Candidate Starts for Aaravos_29:
(2, 28603), (Start: 3 @28633 has 75 MA's), (4, 28672), (6, 28714),

Gene: Alephilan_29 Start: 28553, Stop: 28720, Start Num: 3
Candidate Starts for Alephilan_29:
(Start: 3 @28553 has 75 MA's), (4, 28592), (6, 28631), (7, 28661),

Gene: Alyssamiracle_32 Start: 27357, Stop: 27524, Start Num: 3
Candidate Starts for Alyssamiracle_32:
(Start: 3 @27357 has 75 MA's), (4, 27396), (6, 27435), (7, 27465),

Gene: Anamika_29 Start: 38219, Stop: 38389, Start Num: 3
Candidate Starts for Anamika_29:
(Start: 3 @38219 has 75 MA's), (4, 38258), (6, 38300),

Gene: Apeppi_29 Start: 28695, Stop: 28865, Start Num: 3
Candidate Starts for Apeppi_29:
(2, 28665), (Start: 3 @28695 has 75 MA's), (4, 28734), (6, 28776),

Gene: Astralis_29 Start: 26947, Stop: 27114, Start Num: 3
Candidate Starts for Astralis_29:
(Start: 3 @26947 has 75 MA's), (4, 26986), (6, 27025), (7, 27055),

Gene: Avian_29 Start: 27339, Stop: 27506, Start Num: 3
Candidate Starts for Avian_29:
(Start: 3 @27339 has 75 MA's), (4, 27378), (6, 27417), (7, 27447),

Gene: Beaver_32 Start: 37702, Stop: 37869, Start Num: 3
Candidate Starts for Beaver_32:
(Start: 3 @37702 has 75 MA's), (4, 37741), (5, 37762), (6, 37780), (8, 37849),

Gene: Berries_29 Start: 38189, Stop: 38359, Start Num: 3
Candidate Starts for Berries_29:
(Start: 3 @38189 has 75 MA's), (6, 38270), (7, 38300),

Gene: Bianmat_29 Start: 38229, Stop: 38399, Start Num: 3
Candidate Starts for Bianmat_29:
(Start: 3 @38229 has 75 MA's), (6, 38310), (7, 38340),

Gene: BillyBobJr_33 Start: 37729, Stop: 37896, Start Num: 3
Candidate Starts for BillyBobJr_33:
(Start: 3 @37729 has 75 MA's), (4, 37768), (5, 37789), (6, 37807), (8, 37876),

Gene: BirksAndSocks_32 Start: 37676, Stop: 37843, Start Num: 3
Candidate Starts for BirksAndSocks_32:
(Start: 3 @37676 has 75 MA's), (4, 37715), (5, 37736), (6, 37754), (8, 37823),

Gene: BirthdayBoy_33 Start: 29379, Stop: 29546, Start Num: 3
Candidate Starts for BirthdayBoy_33:
(Start: 3 @29379 has 75 MA's), (4, 29418), (6, 29457), (7, 29487),

Gene: Boneham_32 Start: 37675, Stop: 37842, Start Num: 3
Candidate Starts for Boneham_32:
(Start: 3 @37675 has 75 MA's), (4, 37714), (5, 37735), (6, 37753), (8, 37822),

Gene: Butterball_32 Start: 37675, Stop: 37842, Start Num: 3
Candidate Starts for Butterball_32:
(Start: 3 @37675 has 75 MA's), (4, 37714), (5, 37735), (6, 37753), (8, 37822),

Gene: Charianelly_29 Start: 37939, Stop: 38109, Start Num: 3
Candidate Starts for Charianelly_29:
(Start: 3 @37939 has 75 MA's), (6, 38020), (7, 38050),

Gene: Charminar_29 Start: 26950, Stop: 27117, Start Num: 3
Candidate Starts for Charminar_29:
(Start: 3 @26950 has 75 MA's), (4, 26989), (6, 27028), (7, 27058),

Gene: CinnamonToast_33 Start: 37729, Stop: 37896, Start Num: 3
Candidate Starts for CinnamonToast_33:
(Start: 3 @37729 has 75 MA's), (4, 37768), (5, 37789), (6, 37807), (8, 37876),

Gene: Damp_29 Start: 37103, Stop: 37273, Start Num: 3
Candidate Starts for Damp_29:
(Start: 3 @37103 has 75 MA's), (6, 37184), (7, 37214),

Gene: DaviePasture_32 Start: 29178, Stop: 29345, Start Num: 3
Candidate Starts for DaviePasture_32:
(Start: 3 @29178 has 75 MA's), (4, 29217), (6, 29256), (7, 29286),

Gene: Diabla_31 Start: 37526, Stop: 37693, Start Num: 3
Candidate Starts for Diabla_31:
(Start: 3 @37526 has 75 MA's), (4, 37565), (6, 37604),

Gene: DoobyDoo_31 Start: 28328, Stop: 28495, Start Num: 3
Candidate Starts for DoobyDoo_31:
(Start: 3 @28328 has 75 MA's), (4, 28367), (6, 28406), (7, 28436),

Gene: Erutan_32 Start: 28838, Stop: 29005, Start Num: 3
Candidate Starts for Erutan_32:
(Start: 3 @28838 has 75 MA's), (4, 28877), (6, 28916), (7, 28946),

Gene: FelixAlejandro_33 Start: 37873, Stop: 38040, Start Num: 3
Candidate Starts for FelixAlejandro_33:
(Start: 3 @37873 has 75 MA's), (4, 37912), (5, 37933), (6, 37951), (8, 38020),

Gene: Fulcrum_33 Start: 29356, Stop: 29523, Start Num: 3

Candidate Starts for Fulcrum_33:
(Start: 3 @29356 has 75 MA's), (4, 29395), (6, 29434), (7, 29464),

Gene: GOATification_33 Start: 29356, Stop: 29523, Start Num: 3
Candidate Starts for GOATification_33:
(Start: 3 @29356 has 75 MA's), (4, 29395), (6, 29434), (7, 29464),

Gene: GalacticEye_29 Start: 37901, Stop: 38071, Start Num: 3
Candidate Starts for GalacticEye_29:
(Start: 3 @37901 has 75 MA's), (4, 37940), (6, 37982),

Gene: Genamy16_32 Start: 27357, Stop: 27524, Start Num: 3
Candidate Starts for Genamy16_32:
(Start: 3 @27357 has 75 MA's), (4, 27396), (6, 27435), (7, 27465),

Gene: Gibbin_33 Start: 29455, Stop: 29622, Start Num: 3
Candidate Starts for Gibbin_33:
(Start: 3 @29455 has 75 MA's), (4, 29494), (6, 29533), (7, 29563),

Gene: GretelLyn_32 Start: 29714, Stop: 29881, Start Num: 3
Candidate Starts for GretelLyn_32:
(Start: 3 @29714 has 75 MA's), (4, 29753), (6, 29792), (7, 29822),

Gene: Guillaume_29 Start: 37951, Stop: 38121, Start Num: 3
Candidate Starts for Guillaume_29:
(Start: 3 @37951 has 75 MA's), (4, 37990), (6, 38032),

Gene: Hail2Pitt_29 Start: 38428, Stop: 38598, Start Num: 3
Candidate Starts for Hail2Pitt_29:
(Start: 3 @38428 has 75 MA's), (4, 38467), (6, 38509),

Gene: Harambe_29 Start: 38218, Stop: 38388, Start Num: 3
Candidate Starts for Harambe_29:
(Start: 3 @38218 has 75 MA's), (4, 38257), (6, 38299),

Gene: Hello_29 Start: 38180, Stop: 38350, Start Num: 3
Candidate Starts for Hello_29:
(Start: 3 @38180 has 75 MA's), (4, 38219), (6, 38261),

Gene: Jalebi_31 Start: 29890, Stop: 30057, Start Num: 3
Candidate Starts for Jalebi_31:
(Start: 3 @29890 has 75 MA's), (4, 29929), (6, 29968), (7, 29998),

Gene: Jamemuya19_29 Start: 26947, Stop: 27114, Start Num: 3
Candidate Starts for Jamemuya19_29:
(Start: 3 @26947 has 75 MA's), (4, 26986), (6, 27025), (7, 27055),

Gene: Jams_29 Start: 37389, Stop: 37559, Start Num: 3
Candidate Starts for Jams_29:
(Start: 3 @37389 has 75 MA's), (6, 37470),

Gene: Jellybones_32 Start: 37734, Stop: 37901, Start Num: 3
Candidate Starts for Jellybones_32:

(Start: 3 @37734 has 75 MA's), (4, 37773), (5, 37794), (6, 37812), (8, 37881),

Gene: John316_32 Start: 37687, Stop: 37854, Start Num: 3
Candidate Starts for John316_32:
(Start: 3 @37687 has 75 MA's), (4, 37726), (5, 37747), (6, 37765), (8, 37834),

Gene: Jormungandr_29 Start: 37933, Stop: 38103, Start Num: 3
Candidate Starts for Jormungandr_29:
(Start: 3 @37933 has 75 MA's), (4, 37972), (6, 38014),

Gene: Kaseim_29 Start: 37374, Stop: 37544, Start Num: 3
Candidate Starts for Kaseim_29:
(Start: 3 @37374 has 75 MA's), (6, 37455), (7, 37485),

Gene: Lahirium_29 Start: 38455, Stop: 38625, Start Num: 3
Candidate Starts for Lahirium_29:
(Start: 3 @38455 has 75 MA's), (4, 38494), (6, 38536),

Gene: Lambo_32 Start: 29377, Stop: 29544, Start Num: 3
Candidate Starts for Lambo_32:
(Start: 3 @29377 has 75 MA's), (4, 29416), (6, 29455), (7, 29485),

Gene: LavAbarElk_30 Start: 27829, Stop: 27996, Start Num: 3
Candidate Starts for LavAbarElk_30:
(Start: 3 @27829 has 75 MA's), (4, 27868), (6, 27907), (7, 27937),

Gene: Lidong_29 Start: 38189, Stop: 38359, Start Num: 3
Candidate Starts for Lidong_29:
(Start: 3 @38189 has 75 MA's), (6, 38270), (7, 38300),

Gene: Lila22_31 Start: 29332, Stop: 29499, Start Num: 3
Candidate Starts for Lila22_31:
(Start: 3 @29332 has 75 MA's), (4, 29371), (6, 29410), (7, 29440),

Gene: LuckyLeo_31 Start: 28695, Stop: 28865, Start Num: 3
Candidate Starts for LuckyLeo_31:
(2, 28665), (Start: 3 @28695 has 75 MA's), (4, 28734), (6, 28776),

Gene: Luker_30 Start: 38408, Stop: 38578, Start Num: 3
Candidate Starts for Luker_30:
(Start: 3 @38408 has 75 MA's), (4, 38447), (6, 38489),

Gene: Mima20_30 Start: 29079, Stop: 29246, Start Num: 3
Candidate Starts for Mima20_30:
(Start: 3 @29079 has 75 MA's), (4, 29118), (6, 29157), (7, 29187),

Gene: Minos_30 Start: 37931, Stop: 38101, Start Num: 3
Candidate Starts for Minos_30:
(Start: 3 @37931 has 75 MA's), (6, 38012), (7, 38042),

Gene: MoiGyank_34 Start: 29760, Stop: 29927, Start Num: 3
Candidate Starts for MoiGyank_34:
(Start: 3 @29760 has 75 MA's), (4, 29799), (6, 29838), (7, 29868),

Gene: MrWormie_29 Start: 37092, Stop: 37262, Start Num: 3
Candidate Starts for MrWormie_29:
(Start: 3 @37092 has 75 MA's), (6, 37173), (7, 37203),

Gene: Msay19_33 Start: 37868, Stop: 38035, Start Num: 3
Candidate Starts for Msay19_33:
(Start: 3 @37868 has 75 MA's), (4, 37907), (5, 37928), (6, 37946), (8, 38015),

Gene: Neoevie_29 Start: 38195, Stop: 38365, Start Num: 3
Candidate Starts for Neoevie_29:
(Start: 3 @38195 has 75 MA's), (4, 38234), (6, 38276),

Gene: Nettle_33 Start: 29614, Stop: 29781, Start Num: 3
Candidate Starts for Nettle_33:
(Start: 3 @29614 has 75 MA's), (4, 29653), (6, 29692), (7, 29722),

Gene: Newt_30 Start: 38422, Stop: 38592, Start Num: 3
Candidate Starts for Newt_30:
(Start: 3 @38422 has 75 MA's), (4, 38461), (6, 38503),

Gene: Nimi13_29 Start: 37940, Stop: 38110, Start Num: 3
Candidate Starts for Nimi13_29:
(Start: 3 @37940 has 75 MA's), (4, 37979), (6, 38021),

Gene: NorManre_33 Start: 28961, Stop: 29128, Start Num: 3
Candidate Starts for NorManre_33:
(Start: 3 @28961 has 75 MA's), (4, 29000), (6, 29039), (7, 29069),

Gene: NovaSharks_31 Start: 26947, Stop: 27114, Start Num: 3
Candidate Starts for NovaSharks_31:
(Start: 3 @26947 has 75 MA's), (4, 26986), (6, 27025), (7, 27055),

Gene: OtterstedtS21_32 Start: 29036, Stop: 29203, Start Num: 3
Candidate Starts for OtterstedtS21_32:
(Start: 3 @29036 has 75 MA's), (4, 29075), (6, 29114), (7, 29144),

Gene: ParvusTarda_32 Start: 28506, Stop: 28673, Start Num: 3
Candidate Starts for ParvusTarda_32:
(Start: 3 @28506 has 75 MA's), (4, 28545), (6, 28584),

Gene: Patos_33 Start: 28961, Stop: 29128, Start Num: 3
Candidate Starts for Patos_33:
(Start: 3 @28961 has 75 MA's), (4, 29000), (6, 29039), (7, 29069),

Gene: Philon9_32 Start: 40001, Stop: 40168, Start Num: 3
Candidate Starts for Philon9_32:
(1, 39860), (Start: 3 @40001 has 75 MA's), (4, 40040), (6, 40079), (7, 40109),

Gene: Poland_33 Start: 37847, Stop: 38014, Start Num: 3
Candidate Starts for Poland_33:
(Start: 3 @37847 has 75 MA's), (4, 37886), (5, 37907), (6, 37925), (8, 37994),

Gene: Pywacket_31 Start: 29851, Stop: 30018, Start Num: 3
Candidate Starts for Pywacket_31:
(Start: 3 @29851 has 75 MA's), (4, 29890), (6, 29929),

Gene: Ranch_32 Start: 27860, Stop: 28027, Start Num: 3
Candidate Starts for Ranch_32:
(Start: 3 @27860 has 75 MA's), (4, 27899), (6, 27938), (7, 27968),

Gene: RazorC_30 Start: 27339, Stop: 27506, Start Num: 3
Candidate Starts for RazorC_30:
(Start: 3 @27339 has 75 MA's), (4, 27378), (6, 27417), (7, 27447),

Gene: Riduram_29 Start: 26917, Stop: 27084, Start Num: 3
Candidate Starts for Riduram_29:
(Start: 3 @26917 has 75 MA's), (4, 26956), (6, 26995), (7, 27025),

Gene: Rota_31 Start: 29243, Stop: 29410, Start Num: 3
Candidate Starts for Rota_31:
(Start: 3 @29243 has 75 MA's), (4, 29282), (6, 29321), (7, 29351),

Gene: Rukungu_32 Start: 29556, Stop: 29723, Start Num: 3
Candidate Starts for Rukungu_32:
(Start: 3 @29556 has 75 MA's), (4, 29595), (6, 29634), (7, 29664),

Gene: Rumi_31 Start: 26950, Stop: 27117, Start Num: 3
Candidate Starts for Rumi_31:
(Start: 3 @26950 has 75 MA's), (4, 26989), (6, 27028), (7, 27058),

Gene: Sadboi_32 Start: 29714, Stop: 29881, Start Num: 3
Candidate Starts for Sadboi_32:
(Start: 3 @29714 has 75 MA's), (4, 29753), (6, 29792), (7, 29822),

Gene: Sampudon_32 Start: 29890, Stop: 30057, Start Num: 3
Candidate Starts for Sampudon_32:
(Start: 3 @29890 has 75 MA's), (4, 29929), (6, 29968), (7, 29998),

Gene: Shelley_29 Start: 37416, Stop: 37586, Start Num: 3
Candidate Starts for Shelley_29:
(Start: 3 @37416 has 75 MA's), (6, 37497), (7, 37527),

Gene: Sticker17_29 Start: 37931, Stop: 38101, Start Num: 3
Candidate Starts for Sticker17_29:
(Start: 3 @37931 has 75 MA's), (4, 37970), (6, 38012),

Gene: Stormer_30 Start: 26953, Stop: 27120, Start Num: 3
Candidate Starts for Stormer_30:
(Start: 3 @26953 has 75 MA's), (4, 26992), (6, 27031), (7, 27061),

Gene: Teal_29 Start: 38399, Stop: 38569, Start Num: 3
Candidate Starts for Teal_29:
(Start: 3 @38399 has 75 MA's), (4, 38438), (6, 38480),

Gene: Tillicus_31 Start: 28289, Stop: 28459, Start Num: 3

Candidate Starts for Tillicus_31:
(2, 28259), (Start: 3 @28289 has 75 MA's), (4, 28328), (6, 28370),

Gene: Vitaenoii_32 Start: 40000, Stop: 40167, Start Num: 3
Candidate Starts for Vitaenoii_32:
(1, 39859), (Start: 3 @40000 has 75 MA's), (4, 40039), (6, 40078), (7, 40108),

Gene: Woes_29 Start: 38450, Stop: 38620, Start Num: 3
Candidate Starts for Woes_29:
(Start: 3 @38450 has 75 MA's), (6, 38531), (7, 38561),

Gene: Wojtek_31 Start: 28585, Stop: 28752, Start Num: 3
Candidate Starts for Wojtek_31:
(Start: 3 @28585 has 75 MA's), (4, 28624), (6, 28663), (7, 28693),

Gene: Yikes_33 Start: 29969, Stop: 30136, Start Num: 3
Candidate Starts for Yikes_33:
(Start: 3 @29969 has 75 MA's), (4, 30008), (6, 30047), (7, 30077),

Gene: Zany_31 Start: 29496, Stop: 29663, Start Num: 3
Candidate Starts for Zany_31:
(Start: 3 @29496 has 75 MA's), (4, 29535), (6, 29574), (7, 29604),