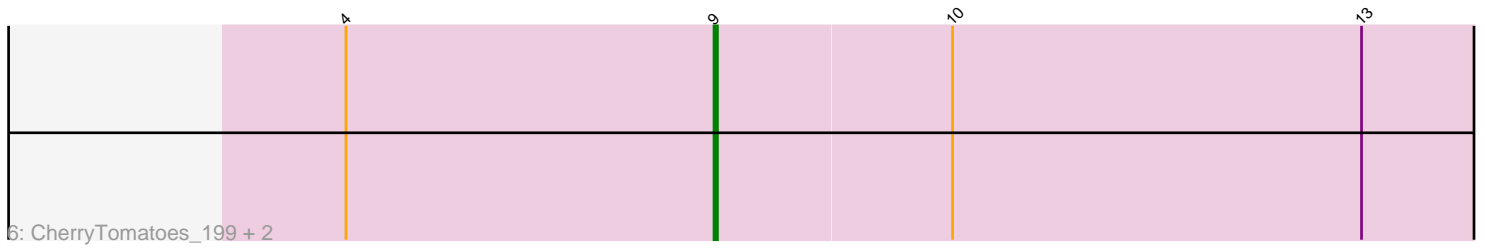
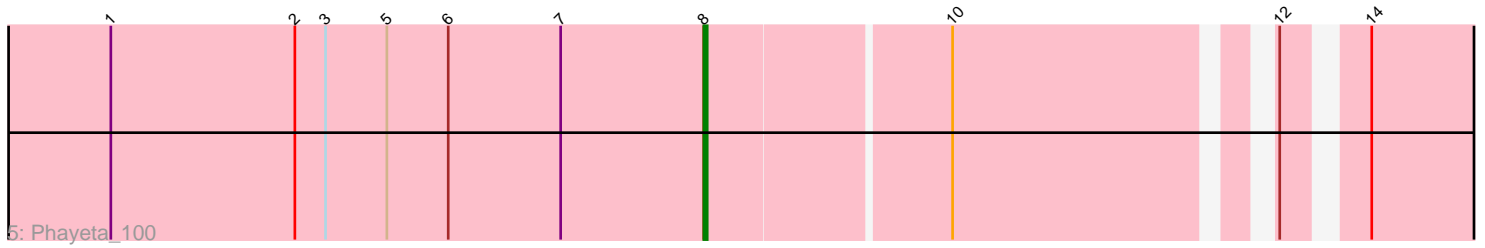
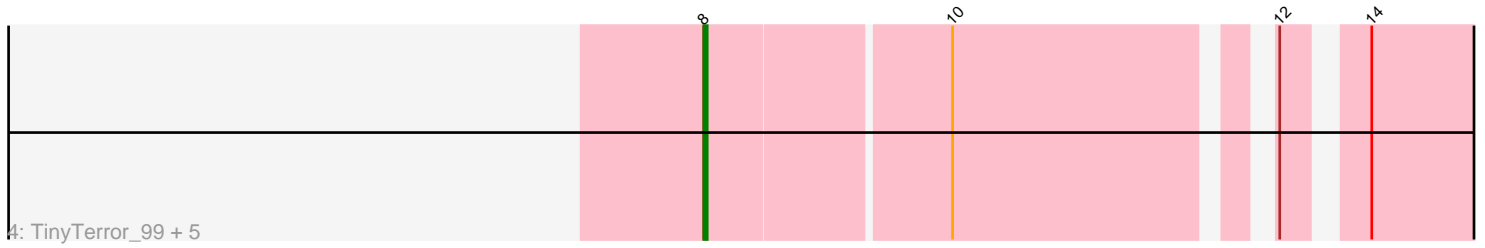
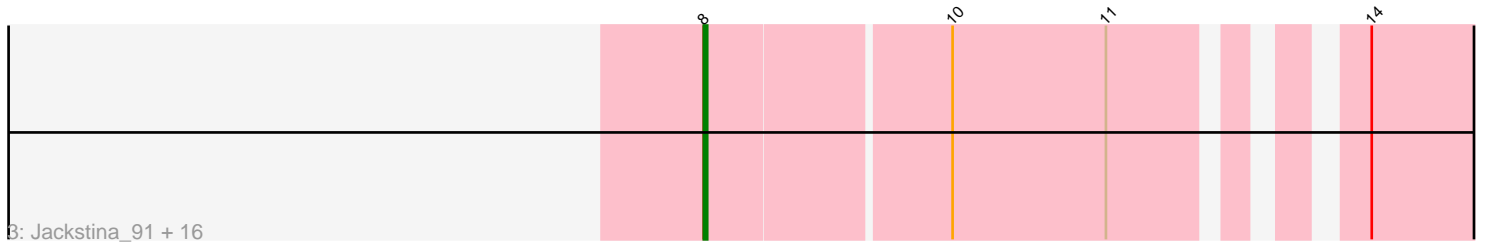
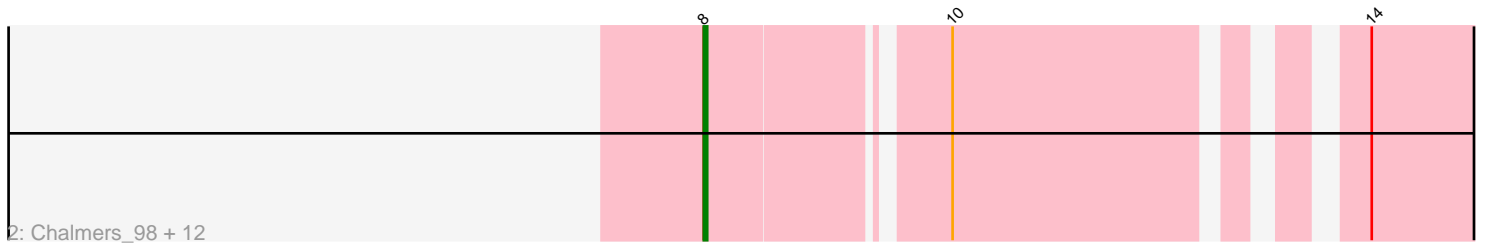
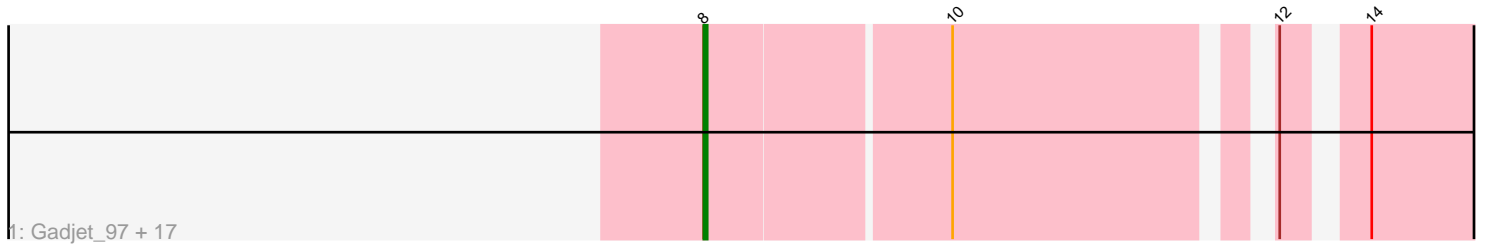


Pham 216202



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 216202 Report

This analysis was run 02/22/25 on database version 588.

Pham number 216202 has 58 members, 10 are drafts.

Phages represented in each track:

- Track 1 : Gadget_97, Ben11_98, Athena_100, Chentzyk_100, RomaT_98, Gervas_99, Kamiyu_98, Phaedrus_93, Audrey_98, SwainyDoc_98, Rita1961_99, Bernardo_95, Marlia_98, Glubnar_97, Akoma_99, Yinz_96, MmasiCarm_99, Philly_97
- Track 2 : Chalmers_98, Shenandoah_98, OrangeOswald_97, Neos5_97, Corofin_98, Abinghost_98, Phlyer_98, ChaChing_98, Nozo_98, SlippinJimmy_101, LestyG_96, Briakila_99, HarveySr_95
- Track 3 : Jackstina_91, Chandler_98, Tydolla_94, Marley1013_96, RagingRooster_98, Devonte_96, Morty007_96, Daisy_97, Deenasa_99, Yahalom_96, Halfpint_97, Pipefish_97, GlenHope_99, Compostia_97, Baloo_97, Heathcliff_98, SynergyX_99
- Track 4 : TinyTerror_99, Casbah_98, Olivio_98, Kronus_98, Mortcellus_98, Obutu_100
- Track 5 : Phayeta_100
- Track 6 : CherryTomatoes_199, SCentae_196, Pupper_197

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

The start number called the most often in the published annotations is 8, it was called in 45 of the 48 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abinghost_98, Akoma_99, Athena_100, Audrey_98, Baloo_97, Ben11_98, Bernardo_95, Briakila_99, Casbah_98, ChaChing_98, Chalmers_98, Chandler_98, Chentzyk_100, Compostia_97, Corofin_98, Daisy_97, Deenasa_99, Devonte_96, Gadget_97, Gervas_99, GlenHope_99, Glubnar_97, Halfpint_97, HarveySr_95, Heathcliff_98, Jackstina_91, Kamiyu_98, Kronus_98, LestyG_96, Marley1013_96, Marlia_98, MmasiCarm_99, Mortcellus_98, Morty007_96, Neos5_97, Nozo_98, Obutu_100, Olivio_98, OrangeOswald_97, Phaedrus_93, Phayeta_100, Philly_97, Phlyer_98, Pipefish_97, RagingRooster_98, Rita1961_99, RomaT_98, Shenandoah_98, SlippinJimmy_101, SwainyDoc_98, SynergyX_99, TinyTerror_99, Tydolla_94, Yahalom_96, Yinz_96,

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

-

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

- CherryTomatoes_199, Pupper_197, SCentae_196,

Summary by start number:

Start 8:

- Found in 55 of 58 (94.8%) of genes in pham
- Manual Annotations of this start: 45 of 48
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abinghost_98 (B3), Akoma_99 (B3), Athena_100 (B3), Audrey_98 (B3), Baloo_97 (B3), Ben11_98 (B3), Bernardo_95 (B3), Briakila_99 (B3), Casbah_98 (B3), ChaChing_98 (B3), Chalmers_98 (B3), Chandler_98 (B3), Chentzyk_100 (B3), Compostia_97 (B3), Corofin_98 (B3), Daisy_97 (B3), Deenasa_99 (B3), Devonte_96 (B3), Gadget_97 (B3), Gervas_99 (B3), GlenHope_99 (B3), Glubnar_97 (B3), Halfpint_97 (B3), HarveySr_95 (B3), Heathcliff_98 (B3), Jackstina_91 (B3), Kamiyu_98 (B3), Kronus_98 (B3), LestyG_96 (B3), Marley1013_96 (B3), Marlia_98 (B3), MmasiCarm_99 (B3), Mortcellus_98 (B3), Morty007_96 (B3), Neos5_97 (B3), Nozo_98 (B3), Obutu_100 (B3), Olivio_98 (B3), OrangeOswald_97 (B3), Phaedrus_93 (B3), Phayeta_100 (B3), Philly_97 (B3), Phlyer_98 (B3), Pipefish_97 (B3), RagingRooster_98 (B3), Rita1961_99 (B3), RomaT_98 (B3), Shenandoah_98 (B3), SlippinJimmy_101 (B3), SwainyDoc_98 (B3), SynergyX_99 (B3), TinyTerror_99 (B3), Tydolla_94 (B3), Yahalom_96 (B3), Yinz_96 (B3),

Start 9:

- Found in 3 of 58 (5.2%) of genes in pham
- Manual Annotations of this start: 3 of 48
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CherryTomatoes_199 (DO), Pupper_197 (DO), SCentae_196 (DO),

Summary by clusters:

There are 2 clusters represented in this pham: DO, B3,

Info for manual annotations of cluster B3:

- Start number 8 was manually annotated 45 times for cluster B3.

Info for manual annotations of cluster DO:

- Start number 9 was manually annotated 3 times for cluster DO.

Gene Information:

Gene: Abinghost_98 Start: 67232, Stop: 66996, Start Num: 8

Candidate Starts for Abinghost_98:

(Start: 8 @67232 has 45 MA's), (10, 67163), (14, 67064),

Gene: Akoma_99 Start: 67309, Stop: 67073, Start Num: 8

Candidate Starts for Akoma_99:

(Start: 8 @67309 has 45 MA's), (10, 67240), (12, 67159), (14, 67141),

Gene: Athena_100 Start: 68005, Stop: 67769, Start Num: 8

Candidate Starts for Athena_100:

(Start: 8 @68005 has 45 MA's), (10, 67936), (12, 67855), (14, 67837),

Gene: Audrey_98 Start: 67259, Stop: 67023, Start Num: 8

Candidate Starts for Audrey_98:

(Start: 8 @67259 has 45 MA's), (10, 67190), (12, 67109), (14, 67091),

Gene: Baloo_97 Start: 67112, Stop: 66876, Start Num: 8

Candidate Starts for Baloo_97:

(Start: 8 @67112 has 45 MA's), (10, 67043), (11, 66998), (14, 66944),

Gene: Ben11_98 Start: 67489, Stop: 67253, Start Num: 8

Candidate Starts for Ben11_98:

(Start: 8 @67489 has 45 MA's), (10, 67420), (12, 67339), (14, 67321),

Gene: Bernardo_95 Start: 66783, Stop: 66547, Start Num: 8

Candidate Starts for Bernardo_95:

(Start: 8 @66783 has 45 MA's), (10, 66714), (12, 66633), (14, 66615),

Gene: Briakila_99 Start: 67763, Stop: 67527, Start Num: 8

Candidate Starts for Briakila_99:

(Start: 8 @67763 has 45 MA's), (10, 67694), (14, 67595),

Gene: Casbah_98 Start: 67574, Stop: 67338, Start Num: 8

Candidate Starts for Casbah_98:

(Start: 8 @67574 has 45 MA's), (10, 67505), (12, 67424), (14, 67406),

Gene: ChaChing_98 Start: 67266, Stop: 67036, Start Num: 8

Candidate Starts for ChaChing_98:

(Start: 8 @67266 has 45 MA's), (10, 67203), (14, 67104),

Gene: Chalmers_98 Start: 68004, Stop: 67774, Start Num: 8

Candidate Starts for Chalmers_98:

(Start: 8 @68004 has 45 MA's), (10, 67941), (14, 67842),

Gene: Chandler_98 Start: 68048, Stop: 67812, Start Num: 8

Candidate Starts for Chandler_98:

(Start: 8 @68048 has 45 MA's), (10, 67979), (11, 67934), (14, 67880),

Gene: Chentzyk_100 Start: 68204, Stop: 67968, Start Num: 8

Candidate Starts for Chentzyk_100:

(Start: 8 @68204 has 45 MA's), (10, 68135), (12, 68054), (14, 68036),

Gene: CherryTomatoes_199 Start: 137102, Stop: 137362, Start Num: 9

Candidate Starts for CherryTomatoes_199:

(4, 136994), (Start: 9 @137102 has 3 MA's), (10, 137171), (13, 137291),

Gene: Compostia_97 Start: 67726, Stop: 67490, Start Num: 8

Candidate Starts for Compostia_97:

(Start: 8 @67726 has 45 MA's), (10, 67657), (11, 67612), (14, 67558),

Gene: Corofin_98 Start: 67283, Stop: 67047, Start Num: 8

Candidate Starts for Corofin_98:

(Start: 8 @67283 has 45 MA's), (10, 67214), (14, 67115),

Gene: Daisy_97 Start: 66832, Stop: 66596, Start Num: 8

Candidate Starts for Daisy_97:

(Start: 8 @66832 has 45 MA's), (10, 66763), (11, 66718), (14, 66664),

Gene: Deenasa_99 Start: 68486, Stop: 68250, Start Num: 8

Candidate Starts for Deenasa_99:

(Start: 8 @68486 has 45 MA's), (10, 68417), (11, 68372), (14, 68318),

Gene: Devonte_96 Start: 66898, Stop: 66662, Start Num: 8

Candidate Starts for Devonte_96:

(Start: 8 @66898 has 45 MA's), (10, 66829), (11, 66784), (14, 66730),

Gene: Gadjet_97 Start: 66536, Stop: 66300, Start Num: 8

Candidate Starts for Gadjet_97:

(Start: 8 @66536 has 45 MA's), (10, 66467), (12, 66386), (14, 66368),

Gene: Gervas_99 Start: 67727, Stop: 67491, Start Num: 8

Candidate Starts for Gervas_99:

(Start: 8 @67727 has 45 MA's), (10, 67658), (12, 67577), (14, 67559),

Gene: GlenHope_99 Start: 67302, Stop: 67066, Start Num: 8

Candidate Starts for GlenHope_99:

(Start: 8 @67302 has 45 MA's), (10, 67233), (11, 67188), (14, 67134),

Gene: Glubnar_97 Start: 67218, Stop: 66982, Start Num: 8

Candidate Starts for Glubnar_97:

(Start: 8 @67218 has 45 MA's), (10, 67149), (12, 67068), (14, 67050),

Gene: Halfpint_97 Start: 67047, Stop: 66811, Start Num: 8

Candidate Starts for Halfpint_97:

(Start: 8 @67047 has 45 MA's), (10, 66978), (11, 66933), (14, 66879),

Gene: HarveySr_95 Start: 66371, Stop: 66135, Start Num: 8

Candidate Starts for HarveySr_95:

(Start: 8 @66371 has 45 MA's), (10, 66302), (14, 66203),

Gene: Heathcliff_98 Start: 67226, Stop: 66990, Start Num: 8

Candidate Starts for Heathcliff_98:

(Start: 8 @67226 has 45 MA's), (10, 67157), (11, 67112), (14, 67058),

Gene: Jackstina_91 Start: 67143, Stop: 66907, Start Num: 8

Candidate Starts for Jackstina_91:

(Start: 8 @67143 has 45 MA's), (10, 67074), (11, 67029), (14, 66975),

Gene: Kamiyu_98 Start: 67230, Stop: 66994, Start Num: 8

Candidate Starts for Kamiyu_98:

(Start: 8 @67230 has 45 MA's), (10, 67161), (12, 67080), (14, 67062),

Gene: Kronus_98 Start: 68315, Stop: 68079, Start Num: 8
Candidate Starts for Kronus_98:
(Start: 8 @68315 has 45 MA's), (10, 68246), (12, 68165), (14, 68147),

Gene: LestyG_96 Start: 66795, Stop: 66565, Start Num: 8
Candidate Starts for LestyG_96:
(Start: 8 @66795 has 45 MA's), (10, 66732), (14, 66633),

Gene: Marley1013_96 Start: 67761, Stop: 67525, Start Num: 8
Candidate Starts for Marley1013_96:
(Start: 8 @67761 has 45 MA's), (10, 67692), (11, 67647), (14, 67593),

Gene: Marlia_98 Start: 67323, Stop: 67087, Start Num: 8
Candidate Starts for Marlia_98:
(Start: 8 @67323 has 45 MA's), (10, 67254), (12, 67173), (14, 67155),

Gene: MmasiCarm_99 Start: 67658, Stop: 67422, Start Num: 8
Candidate Starts for MmasiCarm_99:
(Start: 8 @67658 has 45 MA's), (10, 67589), (12, 67508), (14, 67490),

Gene: Mortcellus_98 Start: 68396, Stop: 68160, Start Num: 8
Candidate Starts for Mortcellus_98:
(Start: 8 @68396 has 45 MA's), (10, 68327), (12, 68246), (14, 68228),

Gene: Morty007_96 Start: 68028, Stop: 67792, Start Num: 8
Candidate Starts for Morty007_96:
(Start: 8 @68028 has 45 MA's), (10, 67959), (11, 67914), (14, 67860),

Gene: Neos5_97 Start: 67484, Stop: 67248, Start Num: 8
Candidate Starts for Neos5_97:
(Start: 8 @67484 has 45 MA's), (10, 67415), (14, 67316),

Gene: Nozo_98 Start: 68037, Stop: 67801, Start Num: 8
Candidate Starts for Nozo_98:
(Start: 8 @68037 has 45 MA's), (10, 67968), (14, 67869),

Gene: Obutu_100 Start: 67841, Stop: 67605, Start Num: 8
Candidate Starts for Obutu_100:
(Start: 8 @67841 has 45 MA's), (10, 67772), (12, 67691), (14, 67673),

Gene: Olivio_98 Start: 67477, Stop: 67241, Start Num: 8
Candidate Starts for Olivio_98:
(Start: 8 @67477 has 45 MA's), (10, 67408), (12, 67327), (14, 67309),

Gene: OrangeOswald_97 Start: 67272, Stop: 67036, Start Num: 8
Candidate Starts for OrangeOswald_97:
(Start: 8 @67272 has 45 MA's), (10, 67203), (14, 67104),

Gene: Phaedrus_93 Start: 66687, Stop: 66451, Start Num: 8
Candidate Starts for Phaedrus_93:
(Start: 8 @66687 has 45 MA's), (10, 66618), (12, 66537), (14, 66519),

Gene: Phayeta_100 Start: 67522, Stop: 67286, Start Num: 8

Candidate Starts for Phayeta_100:

(1, 67696), (2, 67642), (3, 67633), (5, 67615), (6, 67597), (7, 67564), (Start: 8 @67522 has 45 MA's), (10, 67453), (12, 67372), (14, 67354),

Gene: Philly_97 Start: 67120, Stop: 66884, Start Num: 8

Candidate Starts for Philly_97:

(Start: 8 @67120 has 45 MA's), (10, 67051), (12, 66970), (14, 66952),

Gene: Phlyer_98 Start: 67976, Stop: 67746, Start Num: 8

Candidate Starts for Phlyer_98:

(Start: 8 @67976 has 45 MA's), (10, 67913), (14, 67814),

Gene: Pipefish_97 Start: 67656, Stop: 67420, Start Num: 8

Candidate Starts for Pipefish_97:

(Start: 8 @67656 has 45 MA's), (10, 67587), (11, 67542), (14, 67488),

Gene: Pupper_197 Start: 136964, Stop: 137224, Start Num: 9

Candidate Starts for Pupper_197:

(4, 136856), (Start: 9 @136964 has 3 MA's), (10, 137033), (13, 137153),

Gene: RagingRooster_98 Start: 67268, Stop: 67032, Start Num: 8

Candidate Starts for RagingRooster_98:

(Start: 8 @67268 has 45 MA's), (10, 67199), (11, 67154), (14, 67100),

Gene: Rita1961_99 Start: 67613, Stop: 67377, Start Num: 8

Candidate Starts for Rita1961_99:

(Start: 8 @67613 has 45 MA's), (10, 67544), (12, 67463), (14, 67445),

Gene: RomaT_98 Start: 67836, Stop: 67600, Start Num: 8

Candidate Starts for RomaT_98:

(Start: 8 @67836 has 45 MA's), (10, 67767), (12, 67686), (14, 67668),

Gene: SCentae_196 Start: 137156, Stop: 137416, Start Num: 9

Candidate Starts for SCentae_196:

(4, 137048), (Start: 9 @137156 has 3 MA's), (10, 137225), (13, 137345),

Gene: Shenandoah_98 Start: 67188, Stop: 66952, Start Num: 8

Candidate Starts for Shenandoah_98:

(Start: 8 @67188 has 45 MA's), (10, 67119), (14, 67020),

Gene: SlippinJimmy_101 Start: 68636, Stop: 68400, Start Num: 8

Candidate Starts for SlippinJimmy_101:

(Start: 8 @68636 has 45 MA's), (10, 68567), (14, 68468),

Gene: SwainyDoc_98 Start: 67702, Stop: 67466, Start Num: 8

Candidate Starts for SwainyDoc_98:

(Start: 8 @67702 has 45 MA's), (10, 67633), (12, 67552), (14, 67534),

Gene: SynergyX_99 Start: 67578, Stop: 67342, Start Num: 8

Candidate Starts for SynergyX_99:

(Start: 8 @67578 has 45 MA's), (10, 67509), (11, 67464), (14, 67410),

Gene: TinyTerror_99 Start: 67699, Stop: 67463, Start Num: 8

Candidate Starts for TinyTerror_99:

(Start: 8 @67699 has 45 MA's), (10, 67630), (12, 67549), (14, 67531),

Gene: Tydolla_94 Start: 67254, Stop: 67018, Start Num: 8

Candidate Starts for Tydolla_94:

(Start: 8 @67254 has 45 MA's), (10, 67185), (11, 67140), (14, 67086),

Gene: Yahalom_96 Start: 67079, Stop: 66843, Start Num: 8

Candidate Starts for Yahalom_96:

(Start: 8 @67079 has 45 MA's), (10, 67010), (11, 66965), (14, 66911),

Gene: Yinz_96 Start: 66680, Stop: 66444, Start Num: 8

Candidate Starts for Yinz_96:

(Start: 8 @66680 has 45 MA's), (10, 66611), (12, 66530), (14, 66512),