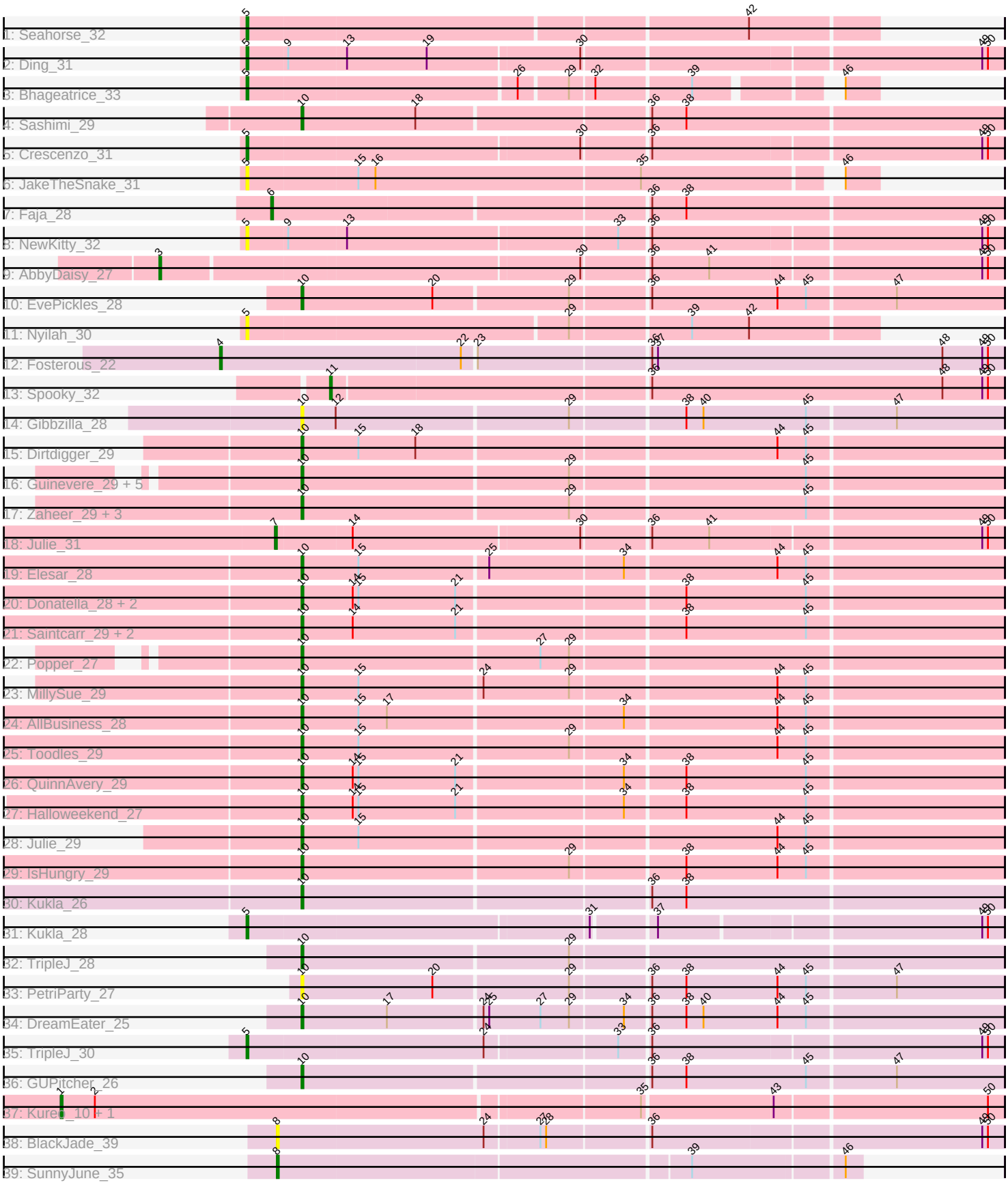
Pham 329116


1: Seahorse_32
2: Ding_31
3: Bhageatrice_33
4: Sashimi_29
5: Crescenzo_31
6: JakeTheSnake_31
7: Faja_28
8: NewKitty_32
9: AbbyDaisy_27
10: EvePickles_28
11: Nyilah_30
12: Fosterous_22
13: Spooky_32
14: Gibbzilla_28
15: Dirtdigger_29
16: Guinevere_29 + 5
17: Zaheer_29 + 3
18: Julie_31
19: Elesar_28
20: Donatella_28 + 2
21: Saintcarr_29 + 2
22: Popper_27
23: MillySue_29
24: AllBusiness_28
25: Toodles_29
26: QuinnAvery_29
27: Halloweekend_27
28: Julie_29
29: IsHungry_29
30: Kukla_26
31: Kukla_28
32: TripleJ_28
33: PetriParty_27
34: DreamEater_25
35: TripleJ_30
36: GUPitcher_26
37: Kuree_10 + 1
38: BlackJade_39
39: SunnyJune_35

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 329116 Report

This analysis was run 09/05/26 on database version 662.

Pham number 329116 has 52 members, 10 are drafts.

Phages represented in each track:
- Track 1 : Seahorse_32
- Track 2 : Ding_31
- Track 3 : Bhageatrice_33
- Track 4 : Sashimi_29
- Track 5 : Crescenzo_31
- Track 6 : JakeTheSnake_31
- Track 7 : Faja_28
- Track 8 : NewKitty_32
- Track 9 : AbbyDaisy_27
- Track 10 : EvePickles_28
- Track 11 : Nyilah_30
- Track 12 : Fosterous_22
- Track 13 : Spooky_32
- Track 14 : Gibbzilla_28
- Track 15 : Dirtdigger_29
- Track 16 : Guinevere_29, Nandita_29, Gusanita_27, Lenoxika_29, GoodLuckBabe_29, Schism_29
- Track 17 : Zaheer_29, Yonex_29, Kihatsu_30, Ryan_29
- Track 18 : Julie_31
- Track 19 : Elesar_28
- Track 20 : Donatella_28, ToastyOats_31, Ichiang_27
- Track 21 : Saintcarr_29, Cole_27, BigSherm_29
- Track 22 : Popper_27
- Track 23 : MillySue_29
- Track 24 : AllBusiness_28
- Track 25 : Toodles_29
- Track 26 : QuinnAvery_29
- Track 27 : Halloweekend_27
- Track 28 : Julie_29
- Track 29 : IsHungry_29
- Track 30 : Kukla_26
- Track 31 : Kukla_28
- Track 32 : TripleJ_28
- Track 33 : PetriParty_27
- Track 34 : DreamEater_25
- Track 35 : TripleJ_30
- Track 36 : GUPitcher_26

• Track 37 : Kureo_10, JeNeSaisPas_8
• Track 38 : BlackJade_39
• Track 39 : SunnyJune_35

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

The start number called the most often in the published annotations is 10, it was called in 29 of the 42 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AllBusiness_28, BigSherm_29, Cole_27, Dirtdigger_29, Donatella_28, DreamEater_25, Elesar_28, EvePickles_28, GUPitcher_26, Gibbzilla_28, GoodLuckBabe_29, Guinevere_29, Gusanita_27, Halloweekend_27, Ichiang_27, IsHungry_29, Julie_29, Kihatsu_30, Kukla_26, Lenoxika_29, MillySue_29, Nandita_29, PetriParty_27, Popper_27, QuinnAvery_29, Ryan_29, Saintcarr_29, Sashimi_29, Schism_29, ToastyOats_31, Toodles_29, TripleJ_28, Yonex_29, Zaheer_29,

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

Genes that do not have the "Most Annotated" start:
• AbbyDaisy_27, Bhageatrice_33, BlackJade_39, Crescenzo_31, Ding_31, Faja_28, Fosterous_22, JakeTheSnake_31, JeNeSaisPas_8, Julie_31, Kukla_28, Kureo_10, NewKitty_32, Nyilah_30, Seahorse_32, Spooky_32, SunnyJune_35, TripleJ_30,

Summary by start number:

Start 1:
• Found in 2 of 52 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JeNeSaisPas_8 (FK), Kureo_10 (FK),

Start 3:
• Found in 1 of 52 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AbbyDaisy_27 (AY),

Start 4:
• Found in 1 of 52 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fosterous_22 (DE1),

Start 5:
• Found in 9 of 52 (17.3%) of genes in pham
• Manual Annotations of this start: 6 of 42
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Bhageatrice_33 (AY), Crescenzo_31 (AY), Ding_31 (AY), JakeTheSnake_31 (AY), Kukla_28 (FJ), NewKitty_32 (AY), Nyilah_30 (AY), Seahorse_32 (AY), TripleJ_30 (FJ),

Start 6:
• Found in 1 of 52 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Faja_28 (AY),

Start 7:
• Found in 1 of 52 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Julie_31 (FF),

Start 8:
• Found in 2 of 52 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlackJade_39 (FL), SunnyJune_35 (FL),

Start 10:
• Found in 34 of 52 (65.4%) of genes in pham
• Manual Annotations of this start: 29 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AllBusiness_28 (FF), BigSherm_29 (FF), Cole_27 (FF), Dirtdigger_29 (FF), Donatella_28 (FF), DreamEater_25 (FJ), Elesar_28 (FF), EvePickles_28 (AY), GUPitcher_26 (FJ), Gibbzilla_28 (FB), GoodLuckBabe_29 (FF), Guinevere_29 (FF), Gusanita_27 (FF), Halloweekend_27 (FF), Ichiang_27 (FF), IsHungry_29 (FF), Julie_29 (FF), Kihatsu_30 (FF), Kukla_26 (FJ), Lenoxika_29 (FF), MillySue_29 (FF), Nandita_29 (FF), PetriParty_27 (FJ), Popper_27 (FF), QuinnAvery_29 (FF), Ryan_29 (FF), Saintcarr_29 (FF), Sashimi_29 (AY), Schism_29 (FF), ToastyOats_31 (FF), Toodles_29 (FF), TripleJ_28 (FJ), Yonex_29 (FF), Zaheer_29 (FF),

Start 11:
• Found in 1 of 52 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 42
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Spooky_32 (DN2),

Summary by clusters:

There are 8 clusters represented in this pham: DE1, FB, FF, DN2, AY, FJ, FK, FL,

Info for manual annotations of cluster AY:
•Start number 3 was manually annotated 1 time for cluster AY.
•Start number 5 was manually annotated 4 times for cluster AY.
•Start number 6 was manually annotated 1 time for cluster AY.
•Start number 10 was manually annotated 2 times for cluster AY.

Info for manual annotations of cluster DE1:

•Start number 4 was manually annotated 1 time for cluster DE1.

Info for manual annotations of cluster DN2:
•Start number 11 was manually annotated 1 time for cluster DN2.

Info for manual annotations of cluster FF:
•Start number 7 was manually annotated 1 time for cluster FF.
•Start number 10 was manually annotated 23 times for cluster FF.

Info for manual annotations of cluster FJ:
•Start number 5 was manually annotated 2 times for cluster FJ.
•Start number 10 was manually annotated 4 times for cluster FJ.

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

Info for manual annotations of cluster FL:
•Start number 8 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: AbbyDaisy_27 Start: 20471, Stop: 20896, Start Num: 3
Candidate Starts for AbbyDaisy_27:
(Start: 3 @20471 has 1 MA's), (30, 20684), (36, 20717), (41, 20747), (49, 20885), (50, 20888),

Gene: AllBusiness_28 Start: 22413, Stop: 22772, Start Num: 10
Candidate Starts for AllBusiness_28:
(Start: 10 @22413 has 29 MA's), (15, 22443), (17, 22458), (34, 22578), (44, 22656), (45, 22671),

Gene: Bhageatrice_33 Start: 22926, Stop: 23225, Start Num: 5
Candidate Starts for Bhageatrice_33:
(Start: 5 @22926 has 6 MA's), (26, 23064), (29, 23088), (32, 23100), (39, 23148), (46, 23208),

Gene: BigSherm_29 Start: 22122, Stop: 22481, Start Num: 10
Candidate Starts for BigSherm_29:
(Start: 10 @22122 has 29 MA's), (14, 22149), (21, 22203), (38, 22317), (45, 22380),

Gene: BlackJade_39 Start: 28262, Stop: 28630, Start Num: 8
Candidate Starts for BlackJade_39:
(Start: 8 @28262 has 1 MA's), (24, 28370), (27, 28397), (28, 28400), (36, 28451), (49, 28619), (50, 28622),

Gene: Cole_27 Start: 21869, Stop: 22228, Start Num: 10
Candidate Starts for Cole_27:
(Start: 10 @21869 has 29 MA's), (14, 21896), (21, 21950), (38, 22064), (45, 22127),

Gene: Crescenzo_31 Start: 21532, Stop: 21915, Start Num: 5
Candidate Starts for Crescenzo_31:
(Start: 5 @21532 has 6 MA's), (30, 21703), (36, 21736), (49, 21904), (50, 21907),

Gene: Ding_31 Start: 21440, Stop: 21823, Start Num: 5
Candidate Starts for Ding_31:
(Start: 5 @21440 has 6 MA's), (9, 21461), (13, 21491), (19, 21533), (30, 21611), (49, 21812), (50, 21815),

Gene: Dirtdigger_29 Start: 21942, Stop: 22301, Start Num: 10
Candidate Starts for Dirtdigger_29:
(Start: 10 @21942 has 29 MA's), (15, 21972), (18, 22002), (44, 22185), (45, 22200),

Gene: Donatella_28 Start: 22333, Stop: 22692, Start Num: 10
Candidate Starts for Donatella_28:
(Start: 10 @22333 has 29 MA's), (14, 22360), (15, 22363), (21, 22414), (38, 22528), (45, 22591),

Gene: DreamEater_25 Start: 21521, Stop: 21880, Start Num: 10
Candidate Starts for DreamEater_25:
(Start: 10 @21521 has 29 MA's), (17, 21566), (24, 21614), (25, 21617), (27, 21644), (29, 21659), (34, 21686), (36, 21698), (38, 21716), (40, 21725), (44, 21764), (45, 21779),

Gene: Elesar_28 Start: 22118, Stop: 22477, Start Num: 10
Candidate Starts for Elesar_28:
(Start: 10 @22118 has 29 MA's), (15, 22148), (25, 22214), (34, 22283), (44, 22361), (45, 22376),

Gene: EvePickles_28 Start: 21370, Stop: 21729, Start Num: 10
Candidate Starts for EvePickles_28:
(Start: 10 @21370 has 29 MA's), (20, 21439), (29, 21508), (36, 21547), (44, 21613), (45, 21628), (47, 21673),

Gene: Faja_28 Start: 21247, Stop: 21621, Start Num: 6
Candidate Starts for Faja_28:
(Start: 6 @21247 has 1 MA's), (36, 21439), (38, 21457),

Gene: Fosterous_22 Start: 19313, Stop: 19717, Start Num: 4
Candidate Starts for Fosterous_22:
(Start: 4 @19313 has 1 MA's), (22, 19439), (23, 19445), (36, 19532), (37, 19535), (48, 19685), (49, 19706), (50, 19709),

Gene: GUPitcher_26 Start: 20939, Stop: 21298, Start Num: 10
Candidate Starts for GUPitcher_26:
(Start: 10 @20939 has 29 MA's), (36, 21116), (38, 21134), (45, 21197), (47, 21242),

Gene: Gibbzilla_28 Start: 19069, Stop: 19428, Start Num: 10
Candidate Starts for Gibbzilla_28:
(Start: 10 @19069 has 29 MA's), (12, 19087), (29, 19207), (38, 19264), (40, 19273), (45, 19327), (47, 19372),

Gene: GoodLuckBabe_29 Start: 22451, Stop: 22810, Start Num: 10
Candidate Starts for GoodLuckBabe_29:
(Start: 10 @22451 has 29 MA's), (29, 22589), (45, 22709),

Gene: Guinevere_29 Start: 22041, Stop: 22400, Start Num: 10
Candidate Starts for Guinevere_29:
(Start: 10 @22041 has 29 MA's), (29, 22179), (45, 22299),

Gene: Gusanita_27 Start: 21803, Stop: 22162, Start Num: 10
Candidate Starts for Gusanita_27:
(Start: 10 @21803 has 29 MA's), (29, 21941), (45, 22061),

Gene: Halloweekend_27 Start: 21748, Stop: 22107, Start Num: 10
Candidate Starts for Halloweekend_27:
(Start: 10 @21748 has 29 MA's), (14, 21775), (15, 21778), (21, 21829), (34, 21913), (38, 21943), (45, 22006),

Gene: Ichiang_27 Start: 21767, Stop: 22126, Start Num: 10
Candidate Starts for Ichiang_27:
(Start: 10 @21767 has 29 MA's), (14, 21794), (15, 21797), (21, 21848), (38, 21962), (45, 22025),

Gene: IsHungry_29 Start: 22369, Stop: 22728, Start Num: 10
Candidate Starts for IsHungry_29:
(Start: 10 @22369 has 29 MA's), (29, 22507), (38, 22564), (44, 22612), (45, 22627),

Gene: JakeTheSnake_31 Start: 21450, Stop: 21764, Start Num: 5
Candidate Starts for JakeTheSnake_31:
(Start: 5 @21450 has 6 MA's), (15, 21507), (16, 21516), (35, 21654), (46, 21747),

Gene: JeNeSaisPas_8 Start: 4417, Stop: 4896, Start Num: 1
Candidate Starts for JeNeSaisPas_8:
(Start: 1 @4417 has 1 MA's), (2, 4435), (35, 4714), (43, 4780), (50, 4888),

Gene: Julie_31 Start: 23626, Stop: 23994, Start Num: 7
Candidate Starts for Julie_31:
(Start: 7 @23626 has 1 MA's), (14, 23665), (30, 23782), (36, 23815), (41, 23845), (49, 23983), (50, 23986),

Gene: Julie_29 Start: 22520, Stop: 22879, Start Num: 10
Candidate Starts for Julie_29:
(Start: 10 @22520 has 29 MA's), (15, 22550), (44, 22763), (45, 22778),

Gene: Kihatsu_30 Start: 22387, Stop: 22746, Start Num: 10
Candidate Starts for Kihatsu_30:
(Start: 10 @22387 has 29 MA's), (29, 22525), (45, 22645),

Gene: Kukla_26 Start: 20756, Stop: 21115, Start Num: 10
Candidate Starts for Kukla_26:
(Start: 10 @20756 has 29 MA's), (36, 20933), (38, 20951),

Gene: Kukla_28 Start: 21859, Stop: 22236, Start Num: 5
Candidate Starts for Kukla_28:
(Start: 5 @21859 has 6 MA's), (31, 22033), (37, 22063), (49, 22225), (50, 22228),

Gene: Kureo_10 Start: 4624, Stop: 5103, Start Num: 1
Candidate Starts for Kureo_10:
(Start: 1 @4624 has 1 MA's), (2, 4642), (35, 4921), (43, 4987), (50, 5095),

Gene: Lenoxika_29 Start: 22037, Stop: 22396, Start Num: 10
Candidate Starts for Lenoxika_29:
(Start: 10 @22037 has 29 MA's), (29, 22175), (45, 22295),

Gene: MillySue_29 Start: 21938, Stop: 22297, Start Num: 10
Candidate Starts for MillySue_29:
(Start: 10 @21938 has 29 MA's), (15, 21968), (24, 22031), (29, 22076), (44, 22181), (45, 22196),

Gene: Nandita_29 Start: 22041, Stop: 22400, Start Num: 10
Candidate Starts for Nandita_29:
(Start: 10 @22041 has 29 MA's), (29, 22179), (45, 22299),

Gene: NewKitty_32 Start: 21589, Stop: 21972, Start Num: 5
Candidate Starts for NewKitty_32:
(Start: 5 @21589 has 6 MA's), (9, 21610), (13, 21640), (33, 21778), (36, 21793), (49, 21961), (50, 21964),

Gene: Nyilah_30 Start: 21273, Stop: 21593, Start Num: 5
Candidate Starts for Nyilah_30:
(Start: 5 @21273 has 6 MA's), (29, 21438), (39, 21498), (42, 21528),

Gene: PetriParty_27 Start: 21629, Stop: 21988, Start Num: 10
Candidate Starts for PetriParty_27:
(Start: 10 @21629 has 29 MA's), (20, 21698), (29, 21767), (36, 21806), (38, 21824), (44, 21872), (45, 21887), (47, 21932),

Gene: Popper_27 Start: 21952, Stop: 22311, Start Num: 10
Candidate Starts for Popper_27:
(Start: 10 @21952 has 29 MA's), (27, 22075), (29, 22090),

Gene: QuinnAvery_29 Start: 22131, Stop: 22490, Start Num: 10
Candidate Starts for QuinnAvery_29:
(Start: 10 @22131 has 29 MA's), (14, 22158), (15, 22161), (21, 22212), (34, 22296), (38, 22326), (45, 22389),

Gene: Ryan_29 Start: 22652, Stop: 23011, Start Num: 10
Candidate Starts for Ryan_29:
(Start: 10 @22652 has 29 MA's), (29, 22790), (45, 22910),

Gene: Saintcarr_29 Start: 22214, Stop: 22573, Start Num: 10
Candidate Starts for Saintcarr_29:
(Start: 10 @22214 has 29 MA's), (14, 22241), (21, 22295), (38, 22409), (45, 22472),

Gene: Sashimi_29 Start: 21169, Stop: 21528, Start Num: 10
Candidate Starts for Sashimi_29:
(Start: 10 @21169 has 29 MA's), (18, 21229), (36, 21346), (38, 21364),

Gene: Schism_29 Start: 22041, Stop: 22400, Start Num: 10
Candidate Starts for Schism_29:
(Start: 10 @22041 has 29 MA's), (29, 22179), (45, 22299),

Gene: Seahorse_32 Start: 22003, Stop: 22323, Start Num: 5
Candidate Starts for Seahorse_32:
(Start: 5 @22003 has 6 MA's), (42, 22258),

Gene: Spooky_32 Start: 25199, Stop: 25546, Start Num: 11

Candidate Starts for Spooky_32:
(Start: 11 @25199 has 1 MA's), (36, 25361), (48, 25514), (49, 25535), (50, 25538),

Gene: SunnyJune_35 Start: 26818, Stop: 27111, Start Num: 8
Candidate Starts for SunnyJune_35:
(Start: 8 @26818 has 1 MA's), (39, 27028), (46, 27103),

Gene: ToastyOats_31 Start: 22672, Stop: 23031, Start Num: 10
Candidate Starts for ToastyOats_31:
(Start: 10 @22672 has 29 MA's), (14, 22699), (15, 22702), (21, 22753), (38, 22867), (45, 22930),

Gene: Toodles_29 Start: 22501, Stop: 22860, Start Num: 10
Candidate Starts for Toodles_29:
(Start: 10 @22501 has 29 MA's), (15, 22531), (29, 22639), (44, 22744), (45, 22759),

Gene: TripleJ_28 Start: 21640, Stop: 21999, Start Num: 10
Candidate Starts for TripleJ_28:
(Start: 10 @21640 has 29 MA's), (29, 21778),

Gene: TripleJ_30 Start: 22743, Stop: 23126, Start Num: 5
Candidate Starts for TripleJ_30:
(Start: 5 @22743 has 6 MA's), (24, 22866), (33, 22932), (36, 22947), (49, 23115), (50, 23118),

Gene: Yonex_29 Start: 22652, Stop: 23011, Start Num: 10
Candidate Starts for Yonex_29:
(Start: 10 @22652 has 29 MA's), (29, 22790), (45, 22910),

Gene: Zaheer_29 Start: 22741, Stop: 23100, Start Num: 10
Candidate Starts for Zaheer_29:
(Start: 10 @22741 has 29 MA's), (29, 22879), (45, 22999),