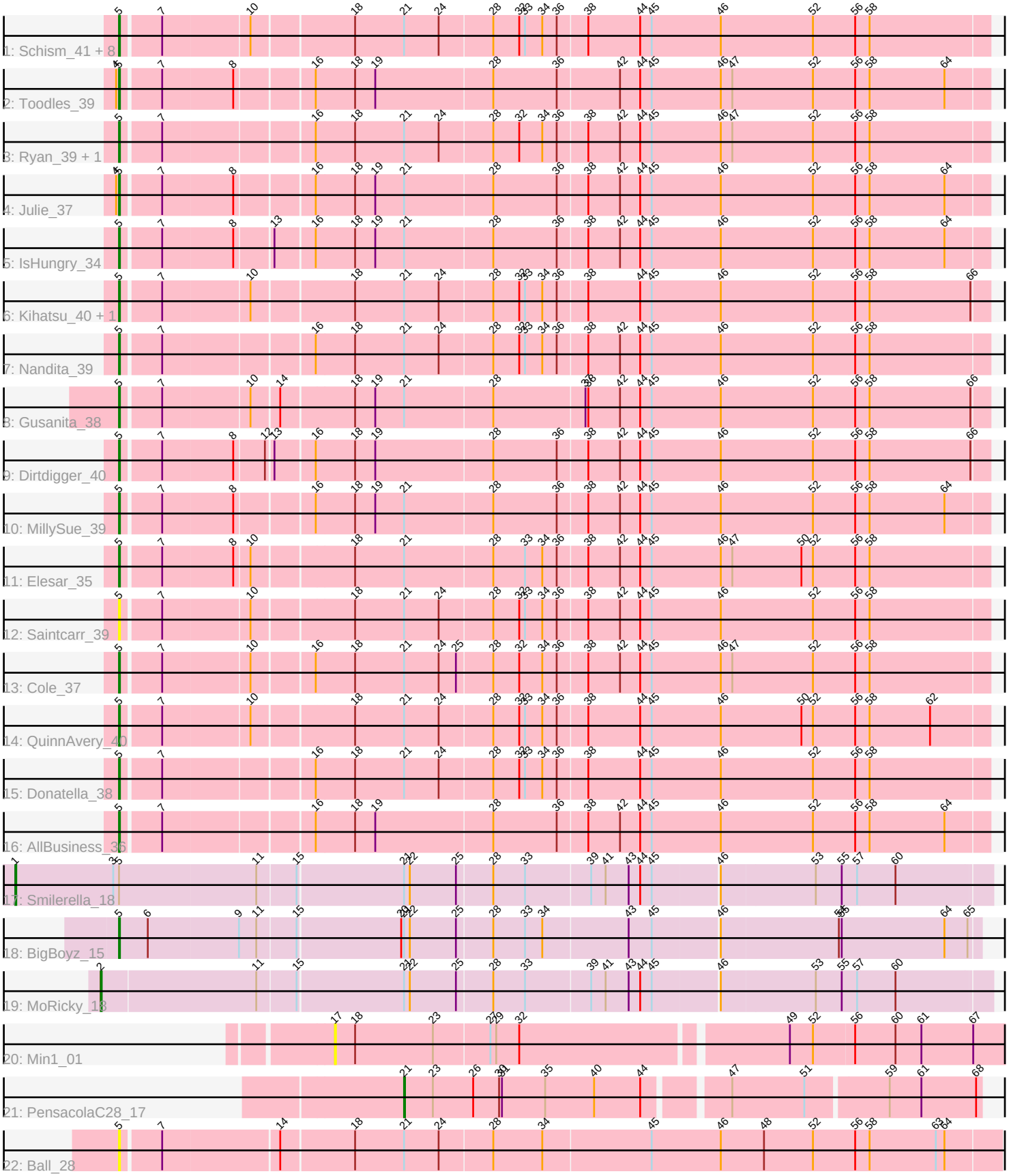
Pham 347884


1: Schism_41 + 8
2: Toodles_39
3: Ryan_39 + 1
4: Julie_37
5: IsHungry_34
6: Kihatsu_40 + 1
7: Nandita_39
8: Gusanita_38
9: Dirtdigger_40
10: MillySue_39
11: Elesar_35
12: Saintcarr_39
13: Cole_37
14: QuinnAvery_40
15: Donatella_38
16: AllBusiness_36
17: Smilerella_18
18: BigBoyz_15
19: MoRicky_18
20: Min1_01
21: PensacolaC28_17
22: Ball_28

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 347884 Report

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

Pham number 347884 has 32 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Schism_41, Ichiang_36, Halloweekend_36, Popper_37, ToastyOats_40, BigSherm_38, Guinevere_39, Lenoxika_39, GoodLuckBabe_39
• Track 2 : Toodles_39
• Track 3 : Ryan_39, Yonex_39
• Track 4 : Julie_37
• Track 5 : IsHungry_34
• Track 6 : Kihatsu_40, Zaheer_39
• Track 7 : Nandita_39
• Track 8 : Gusanita_38
• Track 9 : Dirtdigger_40
• Track 10 : MillySue_39
• Track 11 : Elesar_35
• Track 12 : Saintcarr_39
• Track 13 : Cole_37
• Track 14 : QuinnAvery_40
• Track 15 : Donatella_38
• Track 16 : AllBusiness_36
• Track 17 : Smilerella_18
• Track 18 : BigBoyz_15
• Track 19 : MoRicky_18
• Track 20 : Min1_01
• Track 21 : PensacolaC28_17
• Track 22 : Ball_28

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

The start number called the most often in the published annotations is 5, it was called in 24 of the 27 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AllBusiness_36, Ball_28, BigBoyz_15, BigSherm_38, Cole_37, Dirtdigger_40, Donatella_38, Elesar_35, GoodLuckBabe_39, Guinevere_39, Gusanita_38, Halloweekend_36, Ichiang_36, IsHungry_34, Julie_37, Kihatsu_40, Lenoxika_39, MillySue_39, Nandita_39, Popper_37, QuinnAvery_40, Ryan_39, Saintcarr_39,

Schism_41, ToastyOats_40, Toodles_39, Yonex_39, Zaheer_39,

Genes that have the "Most Annotated" start but do not call it:
• Smilerella_18,

Genes that do not have the "Most Annotated" start:
• Min1_01, MoRicky_18, PensacolaC28_17,

Summary by start number:

Start 1:
• Found in 1 of 32 (3.1%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Smilerella_18 (GH),

Start 2:
• Found in 1 of 32 (3.1%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MoRicky_18 (GH),

Start 5:
• Found in 29 of 32 (90.6%) of genes in pham
• Manual Annotations of this start: 24 of 27
• Called 96.6% of time when present
• Phage (with cluster) where this start called: AllBusiness_36 (FF), Ball_28 (singleton), BigBoyz_15 (GH), BigSherm_38 (FF), Cole_37 (FF), Dirtdigger_40 (FF), Donatella_38 (FF), Elesar_35 (FF), GoodLuckBabe_39 (FF), Guinevere_39 (FF), Gusanita_38 (FF), Halloweekend_36 (FF), Ichiang_36 (FF), IsHungry_34 (FF), Julie_37 (FF), Kihatsu_40 (FF), Lenoxika_39 (FF), MillySue_39 (FF), Nandita_39 (FF), Popper_37 (FF), QuinnAvery_40 (FF), Ryan_39 (FF), Saintcarr_39 (FF), Schism_41 (FF), ToastyOats_40 (FF), Toodles_39 (FF), Yonex_39 (FF), Zaheer_39 (FF),

Start 17:
• Found in 1 of 32 (3.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Min1_01 (singleton),

Start 21:
• Found in 28 of 32 (87.5%) of genes in pham
• Manual Annotations of this start: 1 of 27
• Called 3.6% of time when present
• Phage (with cluster) where this start called: PensacolaC28_17 (singleton),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, FF, GH,

Info for manual annotations of cluster FF:
•Start number 5 was manually annotated 23 times for cluster FF.

Info for manual annotations of cluster GH:
•Start number 1 was manually annotated 1 time for cluster GH.
•Start number 2 was manually annotated 1 time for cluster GH.
•Start number 5 was manually annotated 1 time for cluster GH.

Gene Information:

Gene: AllBusiness_36 Start: 29466, Stop: 28591, Start Num: 5
Candidate Starts for AllBusiness_36:
(Start: 5 @29466 has 24 MA's), (7, 29427), (16, 29280), (18, 29241), (19, 29220), (28, 29100), (36, 29034), (38, 29004), (42, 28971), (44, 28950), (45, 28938), (46, 28866), (52, 28770), (56, 28728), (58, 28713), (64, 28635),

Gene: Ball_28 Start: 23533, Stop: 22643, Start Num: 5
Candidate Starts for Ball_28:
(Start: 5 @23533 has 24 MA's), (7, 23494), (14, 23377), (18, 23305), (Start: 21 @23254 has 1 MA's), (24, 23218), (28, 23164), (34, 23113), (45, 23002), (46, 22930), (48, 22885), (52, 22834), (56, 22792), (58, 22777), (63, 22708), (64, 22699),

Gene: BigBoyz_15 Start: 12973, Stop: 12104, Start Num: 5
Candidate Starts for BigBoyz_15:
(Start: 5 @12973 has 24 MA's), (6, 12943), (9, 12850), (11, 12832), (15, 12793), (20, 12688), (Start: 21 @12685 has 1 MA's), (22, 12679), (25, 12631), (28, 12595), (33, 12562), (34, 12544), (43, 12457), (45, 12433), (46, 12367), (54, 12247), (55, 12244), (64, 12139), (65, 12115),

Gene: BigSherm_38 Start: 28330, Stop: 27455, Start Num: 5
Candidate Starts for BigSherm_38:
(Start: 5 @28330 has 24 MA's), (7, 28291), (10, 28204), (18, 28105), (Start: 21 @28054 has 1 MA's), (24, 28018), (28, 27964), (32, 27937), (33, 27931), (34, 27913), (36, 27898), (38, 27868), (44, 27814), (45, 27802), (46, 27730), (52, 27634), (56, 27592), (58, 27577),

Gene: Cole_37 Start: 28322, Stop: 27447, Start Num: 5
Candidate Starts for Cole_37:
(Start: 5 @28322 has 24 MA's), (7, 28283), (10, 28196), (16, 28136), (18, 28097), (Start: 21 @28046 has 1 MA's), (24, 28010), (25, 27992), (28, 27956), (32, 27929), (34, 27905), (36, 27890), (38, 27860), (42, 27827), (44, 27806), (45, 27794), (46, 27722), (47, 27710), (52, 27626), (56, 27584), (58, 27569),

Gene: Dirtdigger_40 Start: 29049, Stop: 28174, Start Num: 5
Candidate Starts for Dirtdigger_40:
(Start: 5 @29049 has 24 MA's), (7, 29010), (8, 28938), (12, 28908), (13, 28902), (16, 28863), (18, 28824), (19, 28803), (28, 28683), (36, 28617), (38, 28587), (42, 28554), (44, 28533), (45, 28521), (46, 28449), (52, 28353), (56, 28311), (58, 28296), (66, 28191),

Gene: Donatella_38 Start: 28796, Stop: 27921, Start Num: 5
Candidate Starts for Donatella_38:
(Start: 5 @28796 has 24 MA's), (7, 28757), (16, 28610), (18, 28571), (Start: 21 @28520 has 1 MA's), (24, 28484), (28, 28430), (32, 28403), (33, 28397), (34, 28379), (36, 28364), (38, 28334), (44, 28280), (45, 28268), (46, 28196), (52, 28100), (56, 28058), (58, 28043),

Gene: Elesar_35 Start: 29248, Stop: 28373, Start Num: 5

Candidate Starts for Elesar_35:
(Start: 5 @29248 has 24 MA's), (7, 29209), (8, 29137), (10, 29122), (18, 29023), (Start: 21 @28972 has 1 MA's), (28, 28882), (33, 28849), (34, 28831), (36, 28816), (38, 28786), (42, 28753), (44, 28732), (45, 28720), (46, 28648), (47, 28636), (50, 28564), (52, 28552), (56, 28510), (58, 28495),

Gene: GoodLuckBabe_39 Start: 28904, Stop: 28029, Start Num: 5
Candidate Starts for GoodLuckBabe_39:
(Start: 5 @28904 has 24 MA's), (7, 28865), (10, 28778), (18, 28679), (Start: 21 @28628 has 1 MA's), (24, 28592), (28, 28538), (32, 28511), (33, 28505), (34, 28487), (36, 28472), (38, 28442), (44, 28388), (45, 28376), (46, 28304), (52, 28208), (56, 28166), (58, 28151),

Gene: Guinevere_39 Start: 28494, Stop: 27619, Start Num: 5
Candidate Starts for Guinevere_39:
(Start: 5 @28494 has 24 MA's), (7, 28455), (10, 28368), (18, 28269), (Start: 21 @28218 has 1 MA's), (24, 28182), (28, 28128), (32, 28101), (33, 28095), (34, 28077), (36, 28062), (38, 28032), (44, 27978), (45, 27966), (46, 27894), (52, 27798), (56, 27756), (58, 27741),

Gene: Gusanita_38 Start: 28900, Stop: 28025, Start Num: 5
Candidate Starts for Gusanita_38:
(Start: 5 @28900 has 24 MA's), (7, 28861), (10, 28774), (14, 28747), (18, 28675), (19, 28654), (Start: 21 @28624 has 1 MA's), (28, 28534), (37, 28441), (38, 28438), (42, 28405), (44, 28384), (45, 28372), (46, 28300), (52, 28204), (56, 28162), (58, 28147), (66, 28042),

Gene: Halloweekend_36 Start: 27956, Stop: 27081, Start Num: 5
Candidate Starts for Halloweekend_36:
(Start: 5 @27956 has 24 MA's), (7, 27917), (10, 27830), (18, 27731), (Start: 21 @27680 has 1 MA's), (24, 27644), (28, 27590), (32, 27563), (33, 27557), (34, 27539), (36, 27524), (38, 27494), (44, 27440), (45, 27428), (46, 27356), (52, 27260), (56, 27218), (58, 27203),

Gene: Ichiang_36 Start: 27975, Stop: 27100, Start Num: 5
Candidate Starts for Ichiang_36:
(Start: 5 @27975 has 24 MA's), (7, 27936), (10, 27849), (18, 27750), (Start: 21 @27699 has 1 MA's), (24, 27663), (28, 27609), (32, 27582), (33, 27576), (34, 27558), (36, 27543), (38, 27513), (44, 27459), (45, 27447), (46, 27375), (52, 27279), (56, 27237), (58, 27222),

Gene: IsHungry_34 Start: 26992, Stop: 26117, Start Num: 5
Candidate Starts for IsHungry_34:
(Start: 5 @26992 has 24 MA's), (7, 26953), (8, 26881), (13, 26845), (16, 26806), (18, 26767), (19, 26746), (Start: 21 @26716 has 1 MA's), (28, 26626), (36, 26560), (38, 26530), (42, 26497), (44, 26476), (45, 26464), (46, 26392), (52, 26296), (56, 26254), (58, 26239), (64, 26161),

Gene: Julie_37 Start: 28905, Stop: 28030, Start Num: 5
Candidate Starts for Julie_37:
(4, 28908), (Start: 5 @28905 has 24 MA's), (7, 28866), (8, 28794), (16, 28719), (18, 28680), (19, 28659), (Start: 21 @28629 has 1 MA's), (28, 28539), (36, 28473), (38, 28443), (42, 28410), (44, 28389), (45, 28377), (46, 28305), (52, 28209), (56, 28167), (58, 28152), (64, 28074),

Gene: Kihatsu_40 Start: 29365, Stop: 28490, Start Num: 5
Candidate Starts for Kihatsu_40:
(Start: 5 @29365 has 24 MA's), (7, 29326), (10, 29239), (18, 29140), (Start: 21 @29089 has 1 MA's), (24, 29053), (28, 28999), (32, 28972), (33, 28966), (34, 28948), (36, 28933), (38, 28903), (44, 28849), (45, 28837), (46, 28765), (52, 28669), (56, 28627), (58, 28612), (66, 28507),

Gene: Lenoxika_39 Start: 28640, Stop: 27765, Start Num: 5
Candidate Starts for Lenoxika_39:
(Start: 5 @28640 has 24 MA's), (7, 28601), (10, 28514), (18, 28415), (Start: 21 @28364 has 1 MA's), (24, 28328), (28, 28274), (32, 28247), (33, 28241), (34, 28223), (36, 28208), (38, 28178), (44, 28124), (45, 28112), (46, 28040), (52, 27944), (56, 27902), (58, 27887),

Gene: MillySue_39 Start: 28748, Stop: 27873, Start Num: 5
Candidate Starts for MillySue_39:
(Start: 5 @28748 has 24 MA's), (7, 28709), (8, 28637), (16, 28562), (18, 28523), (19, 28502), (Start: 21 @28472 has 1 MA's), (28, 28382), (36, 28316), (38, 28286), (42, 28253), (44, 28232), (45, 28220), (46, 28148), (52, 28052), (56, 28010), (58, 27995), (64, 27917),

Gene: Min1_01 Start: 771, Stop: 1, Start Num: 17
Candidate Starts for Min1_01:
(17, 771), (18, 750), (23, 669), (27, 612), (29, 606), (32, 582), (49, 318), (52, 294), (56, 252), (60, 210), (61, 183), (67, 129),

Gene: MoRicky_18 Start: 13746, Stop: 12850, Start Num: 2
Candidate Starts for MoRicky_18:
(Start: 2 @13746 has 1 MA's), (11, 13587), (15, 13548), (Start: 21 @13440 has 1 MA's), (22, 13434), (25, 13386), (28, 13350), (33, 13317), (39, 13251), (41, 13236), (43, 13212), (44, 13200), (45, 13188), (46, 13122), (53, 13026), (55, 12999), (57, 12984), (60, 12945),

Gene: Nandita_39 Start: 28503, Stop: 27628, Start Num: 5
Candidate Starts for Nandita_39:
(Start: 5 @28503 has 24 MA's), (7, 28464), (16, 28317), (18, 28278), (Start: 21 @28227 has 1 MA's), (24, 28191), (28, 28137), (32, 28110), (33, 28104), (34, 28086), (36, 28071), (38, 28041), (42, 28008), (44, 27987), (45, 27975), (46, 27903), (52, 27807), (56, 27765), (58, 27750),

Gene: PensacolaC28_17 Start: 13584, Stop: 13009, Start Num: 21
Candidate Starts for PensacolaC28_17:
(Start: 21 @13584 has 1 MA's), (23, 13554), (26, 13512), (30, 13485), (31, 13482), (35, 13437), (40, 13386), (44, 13338), (47, 13260), (51, 13185), (59, 13104), (61, 13071), (68, 13014),

Gene: Popper_37 Start: 28406, Stop: 27531, Start Num: 5
Candidate Starts for Popper_37:
(Start: 5 @28406 has 24 MA's), (7, 28367), (10, 28280), (18, 28181), (Start: 21 @28130 has 1 MA's), (24, 28094), (28, 28040), (32, 28013), (33, 28007), (34, 27989), (36, 27974), (38, 27944), (44, 27890), (45, 27878), (46, 27806), (52, 27710), (56, 27668), (58, 27653),

Gene: QuinnAvery_40 Start: 29406, Stop: 28531, Start Num: 5
Candidate Starts for QuinnAvery_40:
(Start: 5 @29406 has 24 MA's), (7, 29367), (10, 29280), (18, 29181), (Start: 21 @29130 has 1 MA's), (24, 29094), (28, 29040), (32, 29013), (33, 29007), (34, 28989), (36, 28974), (38, 28944), (44, 28890), (45, 28878), (46, 28806), (50, 28722), (52, 28710), (56, 28668), (58, 28653), (62, 28590),

Gene: Ryan_39 Start: 29105, Stop: 28230, Start Num: 5
Candidate Starts for Ryan_39:
(Start: 5 @29105 has 24 MA's), (7, 29066), (16, 28919), (18, 28880), (Start: 21 @28829 has 1 MA's), (24, 28793), (28, 28739), (32, 28712), (34, 28688), (36, 28673), (38, 28643), (42, 28610), (44, 28589), (45, 28577), (46, 28505), (47, 28493), (52, 28409), (56, 28367), (58, 28352),

Gene: Saintcarr_39 Start: 28819, Stop: 27944, Start Num: 5

Candidate Starts for Saintcarr_39:
(Start: 5 @28819 has 24 MA's), (7, 28780), (10, 28693), (18, 28594), (Start: 21 @28543 has 1 MA's), (24, 28507), (28, 28453), (32, 28426), (33, 28420), (34, 28402), (36, 28387), (38, 28357), (42, 28324), (44, 28303), (45, 28291), (46, 28219), (52, 28123), (56, 28081), (58, 28066),

Gene: Schism_41 Start: 29284, Stop: 28409, Start Num: 5
Candidate Starts for Schism_41:
(Start: 5 @29284 has 24 MA's), (7, 29245), (10, 29158), (18, 29059), (Start: 21 @29008 has 1 MA's), (24, 28972), (28, 28918), (32, 28891), (33, 28885), (34, 28867), (36, 28852), (38, 28822), (44, 28768), (45, 28756), (46, 28684), (52, 28588), (56, 28546), (58, 28531),

Gene: Smilerella_18 Start: 13836, Stop: 12850, Start Num: 1
Candidate Starts for Smilerella_18:
(Start: 1 @13836 has 1 MA's), (3, 13734), (Start: 5 @13728 has 24 MA's), (11, 13587), (15, 13548), (Start: 21 @13440 has 1 MA's), (22, 13434), (25, 13386), (28, 13350), (33, 13317), (39, 13251), (41, 13236), (43, 13212), (44, 13200), (45, 13188), (46, 13122), (53, 13026), (55, 12999), (57, 12984), (60, 12945),

Gene: ToastyOats_40 Start: 28880, Stop: 28005, Start Num: 5
Candidate Starts for ToastyOats_40:
(Start: 5 @28880 has 24 MA's), (7, 28841), (10, 28754), (18, 28655), (Start: 21 @28604 has 1 MA's), (24, 28568), (28, 28514), (32, 28487), (33, 28481), (34, 28463), (36, 28448), (38, 28418), (44, 28364), (45, 28352), (46, 28280), (52, 28184), (56, 28142), (58, 28127),

Gene: Toodles_39 Start: 29446, Stop: 28571, Start Num: 5
Candidate Starts for Toodles_39:
(4, 29449), (Start: 5 @29446 has 24 MA's), (7, 29407), (8, 29335), (16, 29260), (18, 29221), (19, 29200), (28, 29080), (36, 29014), (42, 28951), (44, 28930), (45, 28918), (46, 28846), (47, 28834), (52, 28750), (56, 28708), (58, 28693), (64, 28615),

Gene: Yonex_39 Start: 29105, Stop: 28230, Start Num: 5
Candidate Starts for Yonex_39:
(Start: 5 @29105 has 24 MA's), (7, 29066), (16, 28919), (18, 28880), (Start: 21 @28829 has 1 MA's), (24, 28793), (28, 28739), (32, 28712), (34, 28688), (36, 28673), (38, 28643), (42, 28610), (44, 28589), (45, 28577), (46, 28505), (47, 28493), (52, 28409), (56, 28367), (58, 28352),

Gene: Zaheer_39 Start: 29719, Stop: 28844, Start Num: 5
Candidate Starts for Zaheer_39:
(Start: 5 @29719 has 24 MA's), (7, 29680), (10, 29593), (18, 29494), (Start: 21 @29443 has 1 MA's), (24, 29407), (28, 29353), (32, 29326), (33, 29320), (34, 29302), (36, 29287), (38, 29257), (44, 29203), (45, 29191), (46, 29119), (52, 29023), (56, 28981), (58, 28966), (66, 28861),